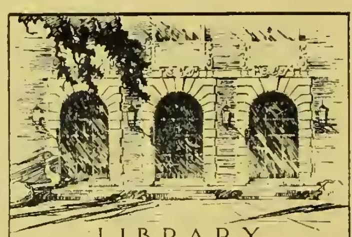

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XL PARKERSBURG, W. VA., JANUARY, 1932 NO. 1

GENERAL SUMMARY

The past month, with an average temperature of 43.4°, was by far the warmest January of State record. The previous warmest January was in 1913, when the average temperature was 40.7°. In all other previous Januarys of State record one or more stations had a temperature below zero, while the lowest temperature recorded for January, 1932, was 7°. These conditions followed an exceptionally warm December as well as a warm year. In the agricultural regions stock remained in the open practically all the time. Buds formed on fruit trees and the conditions were like spring. The precipitation was also considerably above the normal and was excessive in many sections of central counties, causing marked floods in the streams and smaller rivers. The snowfall was also by far the least of any January of State record, the average for the month being only 0.3 inch. There were 46 stations without snowfall and 76 stations that had no snow or only a trace of snow. Moderately high winds occurred in sections of the State on the 27th. The wind tore off a composition roof of a building belonging to H. T. Lawson in Mason County, causing a loss of about $100.00.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 43.4°. The departure from the normal for 45 stations having ten or more years of record was +11.2°. The temperature was above the normal until the 31st, with the possible exception of the 10th. For about ten days of that period the temperature averaged 20° above the normal and on two days nearly 30 above. A short period of moderately cold weather set in on the 30th and continued over the 31st.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 4.82 inches. The departure from the normal for 64 stations having ten or more years of record was +0.94 inch. The precipitation was greatest over the central counties and least over the northeastern counties. Most of the precipitation was received on the 1st-2d, 6-7th, 13th, 15-16th, 18th, 22d-24th, 26-27th and 29-30th. Most of the snow fell on the 1st-3d, 27th and 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 3d and 10th; Arbovale, 17th; Brandywine, 1st; Bruceton Mills, 22d and 23d; Creston, 9th; Elkins, 10th and 23d; Hinton, 14th and 23d; Horton, 10th; Huntington, 14th, 16th, 22d, 23d, and 26th; Pickens, 3d, 9th, 10th, and 16th; Richwood, 2d; Stony River Dam, 3d and 4th; Terra Alta, 8th, 9th, 10th, 22d and 23d; Wellsburg, 8th and 9th; Wheeling, 8th and 9th; Williamson, 11th and 23d,

Hail, light: Williamson, 1st; Richwood, 27th; Roanoke, 30th.

Halos, lunar: Aberdeen, 17th and 20th; Terra Alta, 19th.

Sleet Richwood and Wardensville, 1st; Richwood, 2d; Cheat Bridge, Horton and Lewisburg, 3d; Alpena, 9th; Pickens, 10th and 11th; Terra Alta, 20th; Marlinton, 26th; Parkersburg, 27th.

Thunderstorms: Parkersburg, 13th; Richwood, 27th; Roanoke, 30th.

ERRATA

Correct Monthly Climatological Data for 1931, to read:

FEBRUARY: Williamson, make greatest 24-hour precipitation 0.68 on the 13th.

MARCH: Elkins, make maximum temperature on the 22d 41°; mean maximum temperature 40.2° and monthly mean temperature 33.9°.

MAY: Gary, make number of days with 0.01 inch or more of precipitation 20.
White Sulphur Springs, make mean maximum temperature 72.7° and mean monthly temperature 59.0°.

JUNE: Wheeling, make mean minimum temperature 53.9°.

JULY: Bancroft, make lowest temperature 52° on the 7th.

AUGUST: Morgantown, make lowest temperature 51° on the 24th.

DECEMBER: Buckhannon, make mean maximum temperature 51.7°, monthly mean 42.6° and departure from normal +8.8°.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.15	84	69	74	137.6	45	6,647	8.8	30	sw.	26
Columbus, Ohio	30.14	79	70	78	98.4	33	9,366	12.6	41	s.	13
Elkins	30.19	82	70	75	115.6	38	5,618	7.6	40	w.	27
Lexington, Ky	30.19	84	75	....	103.7	34	10,506	14.1	47	w.	26
Parkersburg	30.17	81	61	70	133.4	44	5,443	7.3	28	nw.	29
Pittsburgh, Pa	30.15	74	65	68	112.8	38	7,501	10.1	37	w.	27
Wytheville, Va	30.18	80	64	71	128.0	41	5,819	7.8	28	w.	26

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.64	.....	.....	.....	.....	.....	.....	.....
1892	29.4	76	−3	3.15	.....	.....	.....	11	...	.....	.....
1893	22.6	71	−25	2.49	.....	.....	.....	12	7	7	17
1894	36.6	70	−8	2.41	4.23	0.83	.....	9	12	8	11
1895	25.0	69	−21	4.48	6.53	2.37	.....	13	6	9	16
1896	32.4	72	−6	1.57	2.72	0.67	1.8	15	9	14	8
1897	28.8	69	−18	1.70	2.85	0.90	4.0	9	10	7	14
1898	37.1	75	−5	5.10	8.04	2.24	5.0	12	6	9	16
1899	32.1	70	−21	4.05	7.01	2.05	7.5	11	10	7	14
1900	34.5	74	−10	2.24	3.60	0.82	1.9	10	9	8	14
1901	33.6	69	−4	2.41	3.87	1.18	7.3	10	8	7	16
1902	30.2	64	−1	3.65	8.52	1.45	9.8	9	9	7	15
1903	31.8	79	−7	3.21	6.45	1.55	8.6	11	8	7	16
1904	27.5	72	−18	2.72	5.82	1.24	10.8	11	9	8	14
1905	26.4	70	−14	3.15	7.43	1.48	22.0	13	7	7	17
1906	38.2	80	−5	3.79	8.70	1.36	5.1	9	11	7	13
1907	38.7	76	−15	**6.41**	11.54	2.35	5.6	14	6	7	18
1908	31.0	62	−16	2.92	8.19	0.50	12.8	11	12	7	12
1909	36.8	76	−5	3.41	6.59	1.50	8.7	12	8	6	17
1910	32.0	67	−5	5.68	10.10	2.52	15.4	11	6	6	19
1911	37.3	71	−5	5.86	**12.63**	3.11	7.0	14	8	6	17
1912	23.5	66	**−34**	2.60	6.93	1.10	13.6	10	7	8	16
1913	40.7	74	9	6.23	10.53	1.84	5.7	13	9	6	16
1914	35.8	**83**	−11	3.18	5.65	1.55	15.6	10	7	6	18
1915	31.7	68	−8	4.85	11.38	2.00	10.4	13	8	6	17
1916	38.8	79	−10	4.86	8.52	1.70	6.1	13	11	7	13
1917	33.2	77	−9	4.66	7.67	1.72	8.3	12	11	6	14
1918	**20.7**	55	−27	4.24	9.22	2.00	**21.5**	14	8	5	18
1919	34.1	69	−16	3.79	6.66	1.60	6.9	8	16	4	11
1920	28.7	77	−11	4.12	7.26	0.40	3.9	11	8	6	17
1921	35.5	71	−2	2.76	5.94	**0.10**	4.3	9	11	6	14
1922	30.2	68	−15	2.75	4.81	1.01	10.8	11	12	6	13
1923	35.2	68	−1	4.46	7.60	1.13	4.4	14	7	5	19
1924	30.1	70	−15	4.62	7.14	0.62	1.8	10	13	5	13
1925	31.1	65	−27	3.81	7.07	1.32	15.8	13	11	4	16
1926	29.7	66	−23	3.71	7.74	1.78	13.3	11	8	5	18
1927	32.5	74	−14	4.08	9.58	**0.10**	5.9	14	6	5	20
1928	32.0	74	−14	2.18	4.55	0.12	4.0	8	11	7	13
1929	31.4	75	−19	2.92	6.67	1.05	6.1	12	7	5	19
1930	34.0	80	−13	1.86	3.60	0.58	7.0	12	8	6	17
1931	33.7	71	−10	**1.37**	4.09	0.65	3.6	8	10	7	14
1932	**43.4**	82	7	4.82	6.97	2.33	**0.3**	13	9	6	16
1891–1932	32.4	83	−34	3.62	12.63	0.10	8.2	11	9	7	15

Climatological Data for January, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	39.7	+11.3	69	14	13	31	38	4.25	−0.95	0.64	1.5	14	12	10	9	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	39.8	+ 9.6	70	13†	17	10	37	2.65	+0.58	0.75	1.0	11	15	0	16	s.	Elmer Keister
Circleville	Pendleton	...	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	...	...	...	...	...	...	...	3.35	+0.75	1.36	0	12	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	2	44.8	...	79	13	24	31	34	3.08	+0.48	1.20	0	10	4	17	10	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	[a]43.7	+13.1	80[a]	13	20	12	50[a]	3.62	+1.09	1.10	0	10	23	7	1	w.	Dr. H. S. Garduer
Moorefield	Hardy	900	36	45.8	+13.3	81	13	20	11	45	2.33	−0.01	0.62	0	5	21	3	7	...	M. S. Henkel
Piedmont	Mineral	1,053	19	41.8	+11.8	75	14	20	31	31	3.47	+1.01	0.73	0	11	7	4	20	uw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	[a]42.4	+11.3	79[a]	13	21	11†	47[a]	2.91	+0.48	0.70	0	7	7	9	15	...	George E. Bergdoll
Stony River Dam	Grant	3,300	12	...	...	...	...	...	...	...	3.45	+0.66	0.90	5.0	13	3	7	21	w.	A. C. Becker
Upper Tract[b]	Pendleton	1,230	33	41.0	+ 8.6	73	13	16	11	36	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	15	[b]42.8	...	79[b]	13	19[a]	11	45[c]	2.65	...	0.90	T.	12	10	10	11	...	Reymanu Memorial Farm
Northern Division																				
Aberdeeu	Upshur	1,060	8	...	...	...	...	...	...	...	5.44	...	1.23	T.	15	7	9	15	w.	L. Else Bond
Alma (near)	Tyler	800	5	...	...	...	...	...	...	...	4.86	...	1.34	T.	14	8	4	19	...	D. N. Furbee
Alpena	Randolph	2,571	2	39.2	...	68	13†	12	31	33	3.57	...	0.64	2.0	15	5	12	14	w.	Christian Hertig
Benson	Harrison	1,080	8	44.0	...	72	14	17	11†	40	6.36	...	1.25	T.	14	8	13	10	...	John A. Clark
Bens Run	Pleasants	652	30	45.1	+12.7	73	14	19	31	36	4.03	−0.02	1.03	T.	12	11	6	14	...	J. D. Riggs
Brownsville	Lewis	1,032	9	44.0	...	72	13†	16	11†	41	6.02	...	1.20	T.	15	13	10	8	...	George M Meyers
Bruceton Mills	Preston	1,549	15	...	...	...	...	...	...	...	4.65	−0.29	1.20	T.	14	8	9	14	w.	Mrs. H. R. Muldoon
Buckhaunou	Upshur	1,411	35	44.1	+12.0	69	13†	19	31	34	5.20	+0.86	1.20	T.	12	14	3	14	...	H. A. Darnall
Cairo	Ritchie	680	31	45.0	+11.0	75	14	18	11	43	5.84	+1.64	1.43	T.	13	9	9	13	...	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	6	...	...	...	...	...	...	...	5.21	...	0.84	3.5	15	...	...	...	...	Miss Blanche Cromer
Clarksburg	Harrison	1,015	10	42.0	+10.6	74	14†	19	11†	47	5.14	+1.77	1.54	0	13	6	4	21	w.	Clarksburg Water Board
Crawford	Lewis	1,107	9	...	...	...	...	...	...	...	4.83	...	1.27	T.	16	7	13	11	w.	George W. Blair
Creston	Wirt	640	30	44.6	+10.9	74	13	19	10	43	6.97	+3.16	1.73	0	12	8	0	23	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	11	...	...	...	...	...	...	...	4.14	...	1.37	0	13	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	16	...	...	...	...	...	...	...	4.94	+1.86	1.05	0	16	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	16	...	...	...	...	...	...	...	5.07	+2.01	1.12	0	16	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	11	...	...	...	...	...	...	...	4.79	...	1.40	0	15	...	...	...	...	Lockmaster
Davis	Tucker	3,093	23	...	...	...	...	...	...	...	5.03	−0.16	1.11	1.0	17	...	...	...	...	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	20	...	...	...	...	...	...	...	5.06	+1.00	2.00	0	15	...	...	...	...	Lockmaster
Elkius	Randolph	1,947	31	42.2	+11.8	72	14	16	31	38	3.95	+0.17	1.12	0.1	17	5	5	21	w.	U. S. Weather Bureau
Fairmout	Marion	883	26	42.7	+11.0	78	14	19	31	47	4.49	+0.66	1.16	T.	14	8	5	18	s.	J. C. Robinson
Glenville	Gilmer	738	38	46.8	+13.3	79	14	19	31	47	6.17	+1.94	2.11	T.	14	8	13	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	45.9	+13.6	75	14	19	31	40	5.15	+1.21	0.90	T.	13	...	...	...	...	W. E. Clayton
Horner	Lewis	1,044	9	...	...	...	...	...	...	...	6.72	...	1.20	0	13	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	7	...	...	...	...	...	...	...	3.46	...	0.59	4.0	13	7	2	22	w.	J. W. White
Janelew (near)	Lewis	1,020	9	45.7	...	73	14	19	11†	39	5.22	...	1.25	T.	11	14	2	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	44.2	+11.6	75	14	17	11	40	5.94	+2.00	1.20	T.	14	10	7	14	w.	Allen Smith
Mannington	Marion	985	29	43.6	+12.2	70	14	19	11†	38	5.52	+1.35	1.58	0.2	15	7	7	17	w.	Jas. A. Morgan
New Cumberlaud	Hancock	671	34	[a]40.8	+12.6	70[a]	14	16	31	37[a]	5.57	+2.76	1.08	0	14	7	3	21	u.	C. H. Hesse
New Martinsville	Wetzel	634	38	43.9	+11.2	75	14	17	31	41	5.15	+1.45	1.02	0	11	7	8	16	s.	Wm. Aukrom
Parkersburg	Wood	638	45	43.9	+11.4	73	14	20	31	31	4.20	+0.62	1.27	T.	15	9	5	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	43.3	+12.2	78	14	17	31	48	5.94	+1.35	...	...	10	7	12	12	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	...	...	...	...	...	...	...	4.74	+0.15	0.80	0.5	15	6	3	22	...	Robert T. Deem
Philippi	Barbour	1,550	35	...	...	...	...	...	...	...	4.77	+0.65	1.40	T.	16	...	...	...	...	Prof. W. W. Thomsou
Pickens [a]	Randolph	2,697	29	40.6	+ 9.9	69	14	11	31	33	6.41	−0.02	1.29	5.0	17	6	9	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	...	...	...	...	...	...	...	5.76	...	1.31	T.	14	9	4	18	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	...	...	...	...	...	...	...	5.15	+0.69	1.45	T.	15	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	23	...	...	...	...	...	...	...	4.91	+0.79	1.27	0	16	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	31	36.4	+ 8.8	68	14	7	31	33	4.53	−0.49	1.21	4.0	15	4	6	21	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	...	...	...	...	...	...	...	4.72	...	1.21	2.4	16	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	9	45.4	...	70	13†	19	31	36	6.06	...	1.20	0	15	7	4	20	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	...	...	...	...	...	...	...	5.48	...	1.25	0	13	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	25	41.7	+11.9	70	14	17	31	38	5.37	+2.02	1.30	0	12	7	7	17	w.	George P. Pfister
West Milford	Harrison	979	7	...	...	...	...	...	...	...	5.05	...	1.16	0	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	44.7	+11.0	72	14	20	31	36	5.86	+1.80	1.80	T.	15	2	11	18	...	Weston State Hospital
Wheeling	Ohio	645	45	[a]39.6	+ 9.6	75[a]	14	12	31	46[a]	5.07	+1.93	1.05	T.	16	8	5	18	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5	...	...	...	...	...	...	...	5.06	...	1.20	0	18	11	7	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	...	...	...	...	...	...	...	3.81	...	1.24	1.0	11	9	8	14	w.	H. S. Sutton
Bancroft	Putnam	574	28	[f]41.6	+ 7.7	...	...	21	31	45[a]	5.74	+1.67	1.80	T.	12	10	0	21	ne.	R. E. Dent
Beckley	Raleigh	2,440	29	46.5	+14.0	72	13†	16	31	43	4.22	+0.38	0.76	T.	17	9	7	15	...	L. A. Mauck
Bluefield [f]	Mercer	2,558	37	47.2	+12.6	74	14	22	11	40	3.32	+0.21	1.25	0	8	11	1	13	...	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	17	...	...	...	...	...	...	...	5.37	+1.77	1.10	T.	8	...	...	...	...	Miss Katie Jarvis
Charleston	Kanawha	600	29	46.4	+ 8.8	81	14	22	31	45	4.74	+0.89	1.85	0	12	4	0	27	...	Dr. J. M. Cook
Clay	Clay	706	16	...	...	...	...	...	...	...	4.59	+1.20	1.50	T.	16	...	...	...	...	Chilton Wilson
Dam 19 O. R.	Wood	600	16	...	...	...	...	...	...	...	5.02	+1.54	1.21	0	15	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	16	...	...	...	...	...	...	...	4.85	+1.39	1.36	0	15	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	5	...	...	...	...	...	...	...	5.16	...	1.50	0	16	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	16	...	...	...	...	...	...	...	6.10	+2.35	2.00	0	16	...	...	...	...	U. S. Engineers Office
Gary [a]	McDowell	1,426	16	44.6	+10.4	78	14	21	20†	45[i]	3.62	+0.05	1.14	0	16	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	44.0	+ 9.8	77	13†	22	20†	48	3.61	+0.53	0.72	0	13	14	5	12	...	Mrs. M. L. McClung
Huntington	Cabell	538	35	48.0	+14.8	78	14	23	31	40	5.93	+2.09	1.65	0	15	10	3	18	sw.	H. N. Robiusou
Kanawha Falls	Fayette	618	13	...	...	...	...	...	...	...	4.21	+0.96	1.45	0	11	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	16	...	...	...	...	...	...	...	4.73	+0.59	1.48	T.	18	...	...	...	...	Cabin Creek Con Coal Co
Kermit	Mingo	579	6	...	...	...	...	...	...	...	4.42	...	1.78	0	11	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	2	...	...	...	...	...	...	...	4.12	...	1.00	0	13	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	44.6	+12.6	70	13	19	31	38	...	...	...	T.	...	...	...	...	...	Geo. T. Argabrite
Logan	Logan	700	29	...	...	...	...	...	...	...	4.65	+0.31	1.63	0	12	...	...	...	...	J. R. Wampler
Marlinton	Pocahontas	2,131	33	36.8	+ 9.1	66	13	12	11†	42	4.26	+0.26	1.42	T.	9	5	12	14	nw.	S. L. Brown
Point Pleasant	Mason	595	39	45.8	+12.1	78	14	18	31	42	5.07	+1.26	1.34	0	15	9	9	13	nw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	2	40.5	...	71	13	11	31	42	4.81	...	0.84	0	17	11	1	19	...	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	9	46.1	+12.4	73	14	21	31	36	5.50	+1.73	1.67	0	15	9	0	22	nw.	Lockmaster
Richwood	Nicholas	2,193	2	46.6	...	76	14	12	31	44	5.44	...	0.99	T.	19	16	0	15	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	43.2	+10.3	82	14	20	11†	60	5.61	+1.81	1.33	0	14	11	0	20	...	M. Frazier
Ryan	Roane	700	29	41.6	+ 8.9	76	14	17	11†	47	5.85	+1.85	1.25	0	17	9	5	17	...	Wm E. Ryan
Sharples	Logan	889	12	...	...	...	...	...	...	...	4.41	+0.93	1.56	0	6	...	...	...	...	R. W. Howard
Spencer	Roane	789	28	44.5	+11.2	75	14	20	31	38	6.48	+2.44	1.76	0	13	4	8	19	...	A. M. McKown
Sutton	Braxton	850	26	45.6	+11.8	72	13†	20	11†	39	5.68	+0.93	1.18	T.	16	15	0	16	...	C. B. Eakle
Union [e]	Monroe	2,250	28	43.9	+10.9	71	13†	16	20	38	2.74	−0.60	0.62	0	10	6	5	15	...	W. M. H. Young
Wayne	Wayne	598	5	...	...	...	...	...	...	...	6.39	...	1.58	0	11	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	[a]40.6	+ 9.0	72[a]	12	14	19	41[a]	3.20	+0.58	0.50	0	12	16	0	15	...	A. P Speuce
Williamson	Mingo	673	32	45.3	+ 9.7	76	13	25	31	43	4.42	+0.44	1.91	0	13	10	5	16	ne.	J. E. Dotson
State averages and	extremes	...	...	43.4	+11.2	82	14	7	31	60	4.82	+0.94	2.11	0.3	13	9	6	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries
Reference letters. [a], [b], [c] appearing in the table indicate number of missing days: for example, [b] represents two days, etc.

551.05
UNWE
1932-42

Daily Precipitation for January, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac	.44	.26				.61	.02	.09	.08						.41			.10				.06	.64	.20		T.	.28		.43	.63		4.25
Brandywine	do	.75	.10				.20	.15	.30	.20	.10			T.										.10				.30		.25	.20		2.65
Circleville	do																																
Harpers Ferry ||||	do	1.36	.52				.36	.12	.14	.29	.08			T.			.03							.03	.13			.14			.15		3.35
Kearneysville	do	1.20	.18				.58	.04	.33	.04						T.								.17				.25		.13	.16		3.08
Martinsburg ||||	do	1.10	.50				.40	.25	.08	.30				T.			T.					T		.08	.11			.45			.35		3.62
Moorefield	do	.50					.62		.26	.25													.30								.40		2.33
Piedmont	do	.72	.10	T			.64	.01	.16					.03		.07								.73				.20		.41	.40		3.47
Romney||||	do	.70	.45				.43		.13															.15				.53			.52		2.91
Stony River Dam	do	.16	.16	T.	T.		.72	.10	.07	.10				.07					.17					.15	.90			.08		.17	.60		3.45
Upper Tract	do	.20					.10		.15											T.							.10				.20		†††
Wardensville||||	do	.90	.20		T.		.33		.35	.21	.03											T.		.08	.13			.14	.14	.04	.10		2.65
Northern Division																																	
Aberdeen	Monongahela	.37	.30	.06	T.		.79	.04	.10	T.				.09		.38	T.		.13			T.	.06	.54	.40		T.	.34		.61	1.23		5.44
Alma (near)	Ohio	1.00	.15	.03			.65									.18		.01	.15				.10	.78	.01		.03	.19		.24	1.34		4.86
Alpena	Monongahela	.24	.15	.08			.57	.11	.12	.04						.06	T.						.07	.64	.15		.03	.33		.45	.53		3.57
Benson	do	.80	.48	.06			.85		.02					.12		32			.17				.14	.84	.38			.32		.61	1.25		6.36
Bens Run	do	.90	.15	.05										.08		.22			.27				.13	.81			.03	.25		.11	1.03		4.03
Brownsville	do	.80	.30	.06			.92	.12	.07	.03						.43			.07				.06	.62	.34		T.	.30		.70	1.20		6.02
Bruceton Mills	do	.20	.25	.10	T.		.10	.39	.27					.06		.40		T.	.13				T.	.95	.11		.20	.29		1.20	T.		4.65
Buckhannon	do	T.	.35	.04			T.		1.00					.12		.47			.10				.05	.62	.36	T.		.34		.55	1.20		5.20
Cairo	Little Kanawha	1.00	.37	.02			.58							.12		.16			.20				.22	.90			.12	.18		.54	1.43		5.84
Cheat Bridge||||	Monongahela	.57	.35	.18	T.		.45	.35						.10			.18		.18					.41	.63		.08	.04	.10	.75	.84		5.21
Clarksburg||||	Little Kanawha	.72	.43	.13			.74							.08			.26		.19				.03	.29	.47			.26		.35	1.19		5.14
Crawford||||	do	.21	.26	.06			.72	.05	.14					.13		.22	.01						.11	.57	.22	.03		.28		.55	1.27		4.83
Creston||||	Monongahela	.97	.36	.09			.70						.19				.26		.22					.60	.89			.33		.63	1.73		6.97
Dam 10, Mon. R.||||	Ohio	.31	.20	.07	T.		.70	.09						.05		T.	.14		.10				.05	.12	.68			.26		T.	1.37		4.14
Dam 12, O. R.||||	do	.97	.23	.06			.65	.15						.04		.11	.10	.15	.34				.14	.15	.61			.15		.04	1.05		4.94
Dam 13, O. R.||||	Monongahela	1.04	.25	.05			.85	.02						.08		.12	.10	.18	.33				.15	.10	.50			.15		.03	1.12		5.07
Dam 15, Mon. R.||||	do	.58	.31	.05			.82	.05						.06		.02	.15		.08				.06	.14	.72			.31		.04	1.40	T	4.79
Davis ||||	do	.15	.31	.24		.01	.90	.08	.01	.13	T		T.	.03		.01	.32	T.	.08				.03	.18	1.01		T	.43	T.	T.	1.11	T.	5.03
Elizabeth (D'm 3 LK)	Little Kanawha	.11	.19	.04			.50							.12		.03	.16	.01	.18				.01	.67	.60			.35		.53	1.56		5.06
Elkins***	Monongahela	.26	.12	.10		.11	.51		.12					.05		.18	T.	.04			T.	.01	.03	.76	.18		.24	.10		.75	.39		3.95
Fairmont||||	do	.61	.32	.05	T.	T.	.83	.07								.03	*		.11				.06	.27	.59			.23	T	.16	1.16		4.49
Glenville ||||	Little Kanawha	1.18	.21	.05	T.		.78			T.				.06		.04	.25	.03	.11				T.	.39	.64			.32		.51	1.60		6.17
Grafton ||||	Monongahela	.40	.27	.04			.70	.22	.11							.32	T	T.	.22				.13	.63				.36		.90	85		5.15
Horner	do	.55	.85			.88	.23							.42			.40						.18	90	.05		.08	.28		.70	1.20		5.72
Horton	do	.59	.16	.12			.37	.06	.21	.03						.04								.52	.04		T.	.39		.43	.50		3.46
Janelew (near)	do	.65	.15	.10			90	.10								.20								.65	.25			.30		.67	1.25		5.22
Lost Creek	do	.75	.36	.04			87	T	.02					.04		.41	T		.09			T.	.08	.78	.28		T	.38		.64	1.20		5.94
Mannington	do	.91	.41	.02			.97	.03						.07		.28		T.	.16			T.	.12	.67	.05		.02	.23		.21	1.37		5.52
Morgantown	do																																
New Cumberland||||	Ohio	1.08	.22	.08			.50							.05		.79	.13	.04	.48			T.	.37	.41	.43			.16		T	.78		5.57
New Martinsville	do	1.02	.30	.06			.77									.38			.32				.18	.78				.22		.10	1.02		5.15
Parkersburg***	do	.68	.06	.01		.26	.23						.03	.11		.13	T.	.15			T.	T	.18	.81			.21	.07		1.03	.24		4.20
Parsons	Monongahela	*	*	*		*	.85	1.00	.18				*	*		*		*			T.	*	*	*	.63		*	2.00		.49	.79		5.94
Parsons No. 2	do	.14	.35	.13			.75		.14		.03			.05		.25			.07				.04	.80	.32			.39		.49	.79		4.74
Philippi	do	.16	.25	.15	T.		.74	.10		.10				.10		.02	.38		.05				.03	.22	.62		.35			.10	1.40		4.77
Pickens	do	.25	.08	.08	T		1.29	.10	.22	.05	T.	T.				.27			.32			.02	.30	1.07			.16	.33		1.03	.76	.08	6.41
Roanoke	do	.63	.29	.05			.84	T.	.11						.02	.50	T.		.03				.04	.65	.41			.28		.60	1.31		5.76
Rowlesburg||||	do	.06	.27	.28			.60	.14		.09				.05			.39		.12				.05	.12	.91			.58			1.45	.04	5.15
Saint Marys||||	Ohio	1.05	.30	.14	.02		.51	T.						.04		.09	.03	T.	.23			.02	.10	.40	.40			.23		.08	1.27		4.91
Terra Alta	Monongahela	.25	.20	.01		.64	.09		.12				.08		T.	.31	T.	.23			T.	.09	.20	.79	T.		.29	T.	.02	1.21	T.		4.53
Thomas ||||	do	.18	.22	.22	.02		.62	.09	T.	T.				.08		T	.23		.05				.02	.13	1.20			.40	T.	.02	1.21	.03	4.72
Valley Chapel	do	.82	.10	.07			.90	.04	.02							.48	T.		.11				.12	.72	.41		.01	.34		.72	1.20		6.06
Vandalia	do	.28	.30				.92	.08	.15					.13		.30			.07					.69	.38			.33		.60	1.25		5.48
Wellsburg	Ohio	1.19	.20	T.			.62							.09		.31	T	.32	.42			T.	.28	.64	T		.05			.20	1.05		5.37
West Milford	Monongahela	.96			.10		.82							.10		.30							.12	.71	.20					.58	1.16		5.05
Weston	do	.81	.28	.11			.91	.11		.04				.10			.22		.07			.03		.20	.82			.31		.05	1.80		5.86
Wheeling||||	Ohio	1.00	.25	.05	T.		.62	.07						.05		.11	.26	.20	.30				.15	.12	.65	T.		.15		.04	1.05		5.07
Woodlands||||	do	1.07	.23	.12			.68	.01						.04		.10	.21	.10	.31			.15	.10		.50	.02		.16	.03	.03	1.20		5.06
Southern Division																																	
Arbovale	Great Kanawha	.60	T	T.			.59	.23	.41	.09				.09		.02							.04	.42			T.	.08		1.24	T.		3.81
Bancroft ||||	do		.53	.03			.66							.11			.22	.08	.14				T.	.46	.31			.42		.98	1.80		5.74
Beckley	do	.49	.11	.05			.52	.07	.37	.15				.03		.10	T.		.10				.13	.09	.05		.10	.37		.73	.76		4.22
Bluefield	do		.60				.08	.04	.35										.10							.25				1.25	.65		3.32
Camden-on-Gauley||||	do		1.10	T.	T.		.97	.20	.22															.66				.44		.68	1.10		5.37
Charleston ||||	do	.30	.22	.02			.48							.10			.12		.25					.20	.25			.25		.70	1.85		4.74
Clay||||	do	.15	.42	.08	.07		.42	.06	.05	.05				.08			.06		.28			T.		.27	.32			.35		.43	1.50	T.	4.59
Dam 6 G. K ||||	do	.30	.27	.03										.08			.13		.15					.30	.23			.37		.96	1.43		4.25
Dam 19 O. R. ||||	Ohio	.71	.31	.20	T.		.54	T.						.20		.06	.07	.01	.25			T.	.05	.48	.48			.32		.13	1.21		5.02
Dam 20 O. R. ||||	do	.60	.34	.04			.54							.12		.02	.05	.02	.10				.06	.54	.44			.38		.24	1.36		4.85
Dam 25 O. R. ||||	do	.40	.21	.03			.58	.02						.08		.02	.05	.03	.11				.01	.63	.53			.45		.51	1.50		5.16
Dam 26 O. R. ||||	do	.32	.15	.04			.62							.10		.05	.40	.04	.05			.03	.08	.80	.65			.35		.42	2.00		6.10
Gary ||||	Big Sandy	.24	.19	.01			.06	.07	.30	.31	.01			.01			.04		.03					.02	.32			.57		.36	1.14		3.62
Hinton||||	do	.72	.25	.02			.45	.09	.30	.22				.02			.01					T.		T.	.06			.35		.42	.70		3.61
Huntington	Ohio	.17	.10			.14	.42						.03	.09		.20	.03	T.	.17			T.	.14	.96			.27	.13		1.65	1.43		5.93
Kanawha Falls||||	Great Kanawha		.50	.05			.15	T.	.10	.05									.16					.13	.22			.30		1.10	1.45		4.21
Kayford||||	do	.31	.48	.05			.16	.11	.03	.19	.01			.05			.13		.32					.20	.28	.01		.45		.43	1.48	.04	4.73
Kermit||||	Big Sandy	.21	.02			.30							.12			.15		.04					.05	.35			.55			.85	1.78		4.42
Kingston	Great Kanawha	.25	.25	.05			.25		.43							.24			.21					.31	.07		.20	.12		1.00	.74		4.12
Lewisburg	do		.12	T.			.43		.28															T.			.23			.18			†††
Logan||||	Guyandotte	.46	.25	.05			.31	T.						.06			.09		.25					.13	.27			.55		.60	1.63		4.65
Marlinton	Great Kanawha	.06	.36	T.			.77		.61	T.						.30							T.	.16			.58			.44	.98	T.	4.26
Point Pleasant||||	Ohio	.35	.24	.04			.52							.10		.04	.18	.03	.09			T	.06	.72	.42			.34		.60	1.34		5.07
Rainelle	Meadow Creek	.74		.16	T.	.02	.35	.16	.30	.11				.03		.18			.27				.09	.12	.14		.04	.43		.83	.84		4.81
Ravenswood (Dam 22	Ohio||||	.54	.32	.03		T.	.56							.10		.04	.10	.02	.15				02	.61	.54			.32		.48	1.67		5.50
Richwood	Great Kanawha	.46	.55	.20			.44	.23	.28	.15	.04					.12	.05		.15				.07	.17	.29		.05	.53		.65	.99	.02	5.44
Robertsburg||||	do	.44	.18	.03			.71							.08		.06	.28	.08	.06				.08	.76	.35			.36		.81	1.33		5.61
Ryan	do	.75	.09	.01		.09	.54						.01	.11		.30	.03					.01	.24	.73	.07		.20	.22		1.25	1.20		5.85
Sharples||||	Coal River						.62									.30								.43				.82		.68	1.56		4.41
Spencer ||||	Great Kanawha	.78	.36	.07			.61							.14	T.		.53	T.	.17			T	.04	.43	.53			.32		.74	1.76		6.48
Sutton	Gauley	.25	.35	.10			.75	.15	.20					.15		.15			.25				.15	.55	.15		.15	.40		.75	1.18		5.68
Union	do	.52	T.		.18		.25	.04	.43	.17													T.	.05		.03		.42		.62			2.74
Wayne ||||	Big Sandy	.27	.40				.51							.15			.51						.36	.40	.22			.45		1.58	1.54		6.39
White Sulpr. Spgs.||||	Great Kanawha	.20				.45	.15	.30	.20	.10			.10			.05								.15			.50		.50	.50			3 20
Williamson||||	Big Sandy	.15	.26	.02			.28	.02	T.	T				.02			.09		.23					.10	.20		T.	.51		.63	1.91		4.42

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for January, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	45	35	34	37	41	60	57	35	36	32	43	61	65	69	55	58	65	61	40	49	65	57	58	57	37	49	48	50	62	60	24	49.8
	Minimum	27	31	28	28	19	32	33	27	31	18	14	23	52	46	38	32	32	34	23	27	33	40	46	35	23	24	30	28	30	22	13	29.6
Brandywine	Maximum	36	40	38	40	42	55	50	47	37	35	36	60	70	70	65	60	58	55	44	45	55	60	60	54	45	48	45	50	55	52	32	49.6
	Minimum	30	27	32	25	22	40	35	30	31	17	18	23	40	34	37	40	41	36	18	24	30	40	42	40	26	21	27	24	40	22	20	30.1
Kearneysville	Maximum	39	46	45	46	44	55	57	45	39	40	40	54	79	77	70	69	56	57	46	59	55	66	62	61	47	46	47	46	52	57	37	52.9
	Minimum	32	36	38	38	37	40	43	32	35	29	25	30	50	45	50	35	42	44	31	30	41	39	42	44	32	29	36	33	35	37	24	36.6
Martinsburg|||	Maximum	45	48	40	45	45	56	46	35	50	46	45	60	80	77	73	46	56	56	48	62	60	65	58	53	50	46	48	48	53	48	..	52.9
	Minimum	39	35	35	37	35	37	40	34	33	30	26	20	30	45	45	37	38	38	32	28	32	40	40	45	33	28	30	35	35	35	24	34.5
Moorfield	Maximum	38	50	45	42	48	62	63	50	46	40	44	57	81	80	77	71	70	68	54	62	61	63	63	62	52	48	49	50	67	44	49	56.4
	Minimum	32	32	38	35	24	42	41	43	36	32	20	30	53	35	46	43	40	40	30	32	38	34	51	42	31	27	37	23	34	30	22	35.3
Piedmont	Maximum	36	43	39	39	43	56	54	37	41	33	38	52	72	75	70	59	55	57	42	52	56	61	61	55	42	42	42	45	53	50	29	49.3
	Minimum	31	34	36	35	30	38	37	33	32	24	21	28	50	44	46	37	36	38	29	26	37	43	51	38	31	27	35	34	35	25	20	34.2
Romney|||	Maximum	48	38	47	39	41	46	62	50	37	44	36	43	66	79	75	73	48	60	53	45	58	62	64	63	47	47	45	44	50	54	44	52.1
	Minimum	30	31	36	36	26	29	43	32	34	24	21	23	32	46	45	34	33	37	29	22	33	40	50	42	32	25	28	31	31	39	21	32.7
Upper Tract	Maximum	35	36	38	40	..	55	53	43	35	36	40	52	73	72	70	65	60	..	49	55	68	65	62	58	48	46	44	50	58	55	30	51.4
	Minimum	25	29	25	25	..	22	40	30	30	22	16	32	48	36	48	36	35	..	25	23	34	36	46	31	22	23	38	24	35	29	25	30.6
Wardensville	Maximum	39	48	39	41	54	59	61	41	39	39	43	66	79	78	74	..	64	52	44	60	66	66	64	49	48	48	45	50	64	47	..	54.0
	Minimum	30	32	37	36	26	34	45	30	35	22	19	21	36	33	35	35	..	38	39	21	26	37	48	43	29	22	28	24	26	43	22	31.7
Northern Division																																	
Alpena	Maximum	40	37	33	33	43	54	53	41	41	33	40	52	68	68	63	59	61	57	38	48	63	56	56	55	35	42	36	50	55	55	23	48.0
	Minimum	29	31	26	26	23	39	34	28	31	21	16	31	50	39	12	36	40	34	20	24	33	39	45	33	22	22	29	24	37	22	12	30.3
Bens Run	Maximum	50	47	40	41	48	66	64	42	43	42	42	60	68	73	70	62	67	64	44	55	62	59	61	61	45	43	49	53	65	59	34	54.2
	Miuimum	41	39	34	36	32	47	35	30	28	28	24	32	53	37	51	34	39	40	30	32	42	47	50	37	36	29	36	30	40	29	19	36.0
Buckhannon	Maximum	53	49	40	44	53	63	63	46	45	40	36	35	69	69	67	59	67	63	43	50	63	57	61	58	40	50	50	53	61	56	30	52.7
	Minimum	49	37	33	30	30	48	40	35	36	27	25	26	35	37	51	38	42	41	28	28	40	45	51	40	28	27	37	29	40	30	19	35.5
Cairo	Maximum	51	50	37	43	53	67	67	46	47	46	47	63	73	75	74	67	70	70	44	55	65	68	61	62	45	46	50	51	64	65	32	56.6
	Minimum	39	34	34	34	32	46	32	27	24	24	18	35	52	32	47	30	38	33	25	25	42	46	51	39	29	25	36	26	35	29	19	33.5
Clarksburg |||	Maximum	50	40	36	39	57	65	47	47	44	32	45	68	71	74	65	57	69	47	43	54	67	74	59	42	43	50	38	55	64	33	30	51.8
	Minimum	38	38	33	33	30	34	35	30	35	23	19	21	27	32	34	37	37	40	29	29	36	43	50	41	29	25	30	26	28	33	19	32.1
Creston	Maximum	48	44	39	43	55	67	64	48	49	47	60	71	74	68	64	70	68	57	45	56	67	61	61	58	46	50	45	55	62	57	32	55.8
	Minimum	39	36	34	34	30	45	32	28	26	19	27	45	31	47	30	37	36	36	23	25	41	45	50	38	28	25	35	24	36	29	20	33.3
Elkins	Maximum	45	38	33	41	50	61	47	43	41	28	46	62	71	72	68	55	67	54	43	51	67	57	61	52	40	47	51	53	60	60	26	51.3
	Minimum	36	33	30	28	27	47	32	30	27	24	20	36	45	36	43	39	48	30	24	27	38	43	49	30	27	26	33	29	46	22	16	33.0
Fairmont|||	Maximum	51	39	35	38	53	63	50	47	49	32	46	70	74	78	65	53	68	49	47	58	67	55	60	42	44	49	38	59	63	34	32	51.9
	Minimum	40	37	34	34	30	35	37	30	34	24	21	23	31	39	40	35	36	36	29	29	39	45	52	41	30	29	32	32	32	33	19	33.5
Glenville	Maximum	54	55	56	46	56	71	71	51	56	46	47	64	76	79	79	65	72	70	45	58	68	66	64	46	45	51	50	55	65	64	40	58.8
	Minimum	38	39	34	35	31	49	34	32	35	25	20	26	47	32	49	35	38	42	25	25	42	45	51	40	31	26	38	26	38	31	19	34.8
Grafton	Maximum	47	44	40	40	52	64	63	46	44	39	50	61	74	75	69	62	66	66	45	55	68	57	62	60	59	51	45	59	65	60	29	55.4
	Minimum	38	38	33	34	30	45	58	32	36	23	21	30	60	35	49	37	44	41	28	23	41	48	51	38	30	25	35	32	41	29	19	36.4
Lost Creek	Maximum	50	48	40	40	50	65	64	47	47	42	44	63	72	75	73	63	70	65	45	55	68	65	60	59	44	46	49	55	64	60	32	55.5
	Minimum	40	36	31	32	26	41	31	28	32	20	17	23	55	35	47	35	35	39	25	25	39	46	50	39	28	23	34	22	35	29	18	32.8
Mannington	Maximum	48	41	40	38	48	64	62	47	44	39	43	62	69	70	68	63	68	65	41	52	63	58	69	60	42	47	50	52	62	60	30	53.5
	Minimum	36	38	34	34	28	41	35	26	30	22	19	27	50	32	45	34	36	39	26	28	39	48	51	39	29	25	36	30	36	30	19	33.6
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland|||	Maximum	51	40	37	39	55	64	46	42	44	32	41	65	68	70	66	56	61	42	41	46	54	55	55	39	43	47	39	48	64	32	..	49.2
	Minimum	35	37	33	34	33	36	32	25	27	23	29	28	34	37	35	37	37	38	29	28	40	42	44	37	28	28	31	29	29	31	16	32.3
New Martinsville	Maximum	50	47	50	40	48	65	63	45	43	37	44	63	70	75	70	59	67	62	44	51	62	59	61	58	46	43	48	56	66	60	33	54.4
	Minimum	37	37	33	32	30	42	32	25	26	30	19	30	52	34	50	30	36	38	23	30	39	46	50	36	27	25	36	29	37	28	17	33.4
Parkersburg	Maximum	50	43	38	41	52	66	46	44	43	37	45	66	70	73	69	45	68	49	42	53	64	56	61	46	46	48	46	52	64	46	32	51.6
	Minimum	43	38	35	35	35	46	32	30	29	29	24	39	52	42	42	35	41	33	30	35	46	52	46	34	29	32	34	32	46	26	20	36.2
Parsons	Maximum	58	39	38	41	51	63	60	41	41	30	46	63	75	78	69	58	67	62	47	58	70	59	62	58	43	57	69	57	65	62	33	55.5
	Minimum	33	30	29	30	28	43	32	30	27	23	19	28	27	32	41	34	44	33	27	25	35	41	47	34	27	25	37	25	37	25	17	31.1
Pickens	Maximum	51	37	35	36	49	57	52	43	41	30	44	57	68	69	63	60	63	59	42	45	52	52	56	54	44	47	48	52	57	59	45	50.6
	Minimum	35	31	31	27	27	44	10	20	30	20	18	24	52	48	48	27	47	30	28	28	23	42	48	30	22	25	27	22	22	20	11	30.5
Terra Alta	Maximum	34	33	29	31	51	59	37	36	34	25	38	62	65	68	63	45	62	43	37	47	61	51	56	44	36	47	31	49	61	25	24	44.7
	Minimum	31	27	26	25	28	33	27	32	22	15	17	29	49	42	31	31	35	21	23	33	42	47	33	22	23	26	27	28	26	12	7	28.1
Wellsburg	Maximum	49	44	39	39	46	66	64	40	43	35	41	61	68	70	67	52	64	59	40	48	55	54	51	56	42	41	43	48	64	62	31	51.1
	Minimum	36	33	34	34	37	42	30	22	21	19	23	29	45	32	45	36	37	38	27	33	39	45	41	36	27	24	28	30	33	29	17	32.3
Weston	Maximum	52	49	40	40	48	60	59	40	42	35	44	58	68	72	71	64	65	64	45	55	62	61	60	58	49	46	45	50	62	60	48	53.9
	Minimum	40	38	33	34	30	40	38	32	32	25	22	28	55	36	50	38	40	41	29	30	42	45	50	38	30	38	32	28	38	30	20	35.5
Wheeling|||	Maximum	52	42	37	42	57	62	34	40	45	34	44	67	70	75	69	55	65	47	45	52	59	56	59	44	48	40	41	55	60	35	..	51.0
	Minimum	33	32	30	30	32	23	27	[illegible]	20	20	20	21	32	32	35	37	33	40	21	23	35	45	43	35	20	22	20	27	33	25	12	28.3
Southern Division																																	
Beckley	Maximum	48	47	44	49	48	61	60	58	57	55	50	56	72	72	71	69	67	66	65	65	66	65	64	63	61	59	58	57	56	58	57	59.5
	Minimum	35	32	28	27	32	41	36	34	31	27	19	34	51	39	55	45	42	36	20	23	33	46	50	35	21	28	32	25	43	23	16	33.5
Bluefield	Maximum	..	44	..	51	48	60	59	45	45	..	47	57	71	74	70	63	..	61	48	57	65	61	63	..	64	49	50	55	54	61	..	57.0
	Minimum	..	33	..	27	31	43	40	38	34	..	22	38	53	49	59	49	..	39	25	25	31	49	53	.	24	31	33	29	43	29	..	37.3
Charleston |||	Maximum	55	43	44	50	58	68	51	49	52	39	53	70	79	81	66	59	76	60	55	65	73	59	64	45	55	52	54	59	61	41	44	57.4
	Minimum	42	40	32	33	35	40	41	38	34	33	27	27	34	41	41	43	43	43	28	27	28	42	45	45	30	31	32	32	34	36	22	35.5
Gary |||	Maximum	53	42	37	59	62	66	46	48	46	37	56	68	76	78	70	71	70	52	52	61	..	69	66	46	47	54	49	56	61	38	36	55.7
	Minimum	40	35	36	33	33	41	41	37	40	31	24	25	31	37	41	51	41	41	27	21	21	..	30	44	27	28	32	29	30	37	22	33.6
Hinton |||	Maximum	45	42	39	52	50	63	48	47	42	38	48	66	77	77	69	59	61	53	52	65	70	64	62	47	52	49	52	50	55	40	38	54.0
	Minimum	38	37	37	34	32	36	43	38	40	33	25	25	34	36	36	50	44	40	27	22	22	31	38	43	29	27	31	29	31	39	23	33.9
Huntington	Maximum	53	53	47	47	56	68	59	59	49	42	47	66	74	78	70	67	74	63	63	59	67	59	64	61	61	45	49	54	65	59	57	59.2
	Minimum	46	39	37	35	37	43	35	33	27	31	24	31	41	38	61	39	43	42	25	25	39	50	53	40	29	29	39	33	44	31	23	36.9
Lewisburg	Maximum	44	42	44	44	52	57	59	42	45	40	46	55	70	69	67	64	62	63	60	64	67	65	65	63	46	48	43	48	52	59	50	54.8
	Minimum	37	30	30	29	36	42	38	36	32	36	21	22	48	32	43	45	41	45	56	39	39	35	47	39	25	24	32	26	39	21	19	34.3
Marlinton	Maximum	46	52	34	35	42	52	48	50	38	30	31	44	66	64	62	58	56	54	38	50	56	52	52	52	42	36	38	44	46	48	28	46.8
	Minimum	40	30	28	26	22	38	30	30	30	24	12	22	40	24	40	36	38	32	16	12	26	26	42	34	18	18	12	20	36	20	12	26.9
Point Pleasant	Maximum	54	48	44	46	54	68	66	47	50	45	48	62	73	78	74	68	73	68	49	57	66	65	63	62	50	48	46	54	66	60	39	57.8
	Minimum	39	37	34	32	34	43	31	26	24	28	20	27	50	36	56	32	38	38	28	25	58	48	50	35	26	27	35	27	42	28	18	33.9
Rainelle	Maximum	40	38	36	44	43	59	54	42	41	40	38	53	71	70	65	58	61	59	43	53	65	54	60	55	43	41	43	49	50	57	30	50.2
	Minimum	34	28	28	31	28	34	36	31	32	30	17	27	48	28	43	44	43	32	22	15	27	33	46	31	23	32	32	23	41	24	11	30.8
Ravenswood	Maximum	46	47	42	42	52	69	65	45	47	45	48	62	72	73	72	68	69	66	47	55	65	64	62	66	46	46	50	53	62	58	33	56.0
	Minimum	44	39	36	34	35	47	33	28	25	28	23	32	53	37	56	32	39	40	23	29	44	19	51	38	30	28	36	28	45	39	21	36 2
Richwood	Maximum	53	63	60	42	52	59	65	48	70	42	46	55	75	76	74	65	68	68	74	65	62	67	60	60	42	47	52	54	55	68	38	58.9
	Minimum	46	32	32	28	42	36	37	34	33	20	23	35	54	34	47	45	50	39	30	23	33	35	45	35	25	27	34	27	43	26	12	34.3
Robertsburg|||	Maximum	45	41	40	41	60	67	46	48	35	42	52	80	75	82	68	55	76	56	32	49	70	60	65	45	52	65	50	56	54	40	36	54.3
	Minimum	40	41	36	33	34	38	32	29	27	26	20	20	32	37	37	33	38	40	22	22	29	39	50	40	28	26	32	28	32	32	21	32.1
Ryan	Maximum	60	40	34	40	54	65	52	44	45	36	38	60	75	76	65	63	70	60	40	54	70	53	60	56	40	44	42	50	60	50	30	52.5
	Minimum	35	34	32	31	29	42	29	28	22	23	17	27	41	29	48	33	33	37	17	20	35	38	46	34	26	26	32	23	39	27	17	30.6
Spencer |||	Maximum	52	43	37	43	57	66	47	49	48	36	49	68	74	75	68	57	71	50	45	58	68	56	64	42	42	50	44	56	62	42	33	53.3
	Minimum	40	39	30	35	34	41	35	31	26	32	21	34	45	37	46	36	40	42	25	28	45	44	52	41	31	28	38	27	44	42	20	35.7
Sutton	Maximum	55	52	44	40	52	65	65	47	47	45	44	62	72	72	69	66	70	70	51	54	67	67	62	62	49	50	50	54	61	61	40	56.9
	Minimum	40	36	34	34	30	45	38	33	31	27	20	28	34	33	45	42	43	42	25	23	45	43	42	40	29	26	36	25	43	30	20	34.3
Union	Maximum	42	42	..	45	47	59	58	45	43	..	42	56	71	71	71	64	..	62	48	52	65	65	64	..	63	47	48	46	53	62	..	55.0
	Minimum	34	33	..	28	27	39	37	27	33	.	20	29	53	34	49	47	..	37	22	16	27	37	47	..	24	24	34	23	42	31	..	32 8
White Sulphur Spgs.	Maximum	40	40	38	46	42	58	57	52	42	40	39	55	72	70	68	66	65	50	45	51	57	60	60	50	49	40	46	46	48	38	38	52.4
	Minimum	35	34	30	27	34	37	35	35	25	18	20	31	32	35	45	40	39	22	14	16	26	32	43	24	22	27	23	28	35	18	15	28.9
Williamson|||	Maximum	49	45	40	53	62	67	49	52	48	39	52	69	76	72	68	53	73	53	47	58	68	52	66	45	50	49	53	56	59	39	38	54.8
	Minimum	41	40	38	36	36	45	41	39	33	34	28	29	33	39	42	48	49	41	27	26	26	32	42	43	29	29	36	32	34	36	25	35.8

||| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-12-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XL PARKERSBURG, W. VA., FEBRUARY, 1932 No. 2

GENERAL SUMMARY

February was a month of superlative weather conditions. The average temperature, 41.6°, was the highest of February State record. The highest temperature recorded during the month, 86°, was also the highest of February State record. It will also be remembered that the preceding months of January and November were record warm months, and that December was also the warmest month of December State record, except in 1923. The average snowfall, 0.2 inch, was also much the least of previous February State records. The precipitation was about one-half inch above the average. Near the close of the month early peach trees were in bloom in many localities. Cattle remained in the open. Plowing and other farm work progressed rapidly.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 41.6°. The departure from the normal for 45 stations having ten or more years of record was +8.3°. The temperature was above the normal for the entire month, with the exception of five days, or the 1st, 14th, 15th, 23d and 24th. On the 10th and 11th the temperature averaged nearly 30° above the normal. The highest temperature was on the 11th and the lowest on the 1st.

PRECIPITATION

The average precipitation for the State, determined from 93 stations, was 3.22 inches. The departure from the normal for 64 stations having ten or more years of record was +0.54 inch. The precipitation was greatest over the central counties and least over the northwestern counties. The greater portion of the precipitation was received on the 2d-4th, 8th, 12th, 17th, 22d and 28th, the greatest amounts occurring on the 3d-4th. There were snow flurries at many stations on the 2d, 4th, 18th, 19th and 20th and measureable amounts were noted in the more elevated sections on the 4th and 20th.

FLOOD

Heavy rains from the 2d to the 4th caused the smaller streams in the central counties to overflow. A flood stage of 27.8 feet was reached at Glenville on the 5th and a flood stage of 21.4 feet at Creston on the same day.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 28th; Creston, 2d; Hinton, 19th, 25th, 26th, and 27th; Huntington, 2d; Mannington, 7th; Martinsburg, 17th; Pickens, 28th; Pt. Pleasant, 7th; Stony River Dam, 28th; Terra Alta, 2d, 3d, 27th and 28th; Williamson, 3d.

Halos, lunar: Elkins, Huntington, and Terra Alta, 15th; Parkersburg, 20th; Terra Alta, 26th.

Halo, solar: Terra Alta, 16th.

Sleet: Parsons and Pickens, 2d; Union, 22d; Stony River Dam, 29th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 3d, 20; 26th, 1; 27th, 8; 28th, 8.

ERRATA

JANUARY, 1932—Page 2, Camden-on-Gauley, make total precipitation 5.15 inches and departure from the normal +1.55 inches; page 3, on the 6th .77 and on the 29th .66 and total for the month 5.15 inches.

ANNUAL, 1931—Page 51, Buckhannon, make mean temperature for December 42.6° and departure from the normal +8.8°.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.06	78	58	60	181.1	58	6,117	8.8	37	sw.	11
Columbus, Ohio	30.04	77	60	64	137.5	44	8,560	12.3	41	sw.	11
Elkins	30.08	75	58	64	142.0	45	5,194	7.5	31	w.	4
Lexington, Ky	30.05	79	62	....	167.4	53	9,386	13.5	43	w.	11
Parkersburg	30.06	73	51	55	183.2	59	5,184	7.4	28	sw.	11
Pittsburgh, Pa	30.05	75	59	61	153.6	50	8,275	11.9	46	w.	11
Wytheville, Va	30.04	75	57	59	172.0	55	5,946	8.5	34	w.	4

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	38.1	.....	.....	5.39	.....	.....	.....	....	.....	.....	.....
1892	37.1	72	−12	2.30	.....	.....	.....	9	.....	.....	.....
1893	35.0	71	− 6	4.81	6.70	1.65	.....	12	.....	.....	.....
1894	33.4	74	− 5	3.99	7.48	2.05	.....	10	9	7	12
1895	22.8	79	−17	1.27	2.44	0.61	.....	7	10	9	9
1896	33.4	62	− 5	3.31	6.23	1.50	.....	17	7	8	14
1897	36.8	70	3	5.95	8.18	3.00	.....	11	7	7	14
1898	32.7	74	−13	1.81	3.38	0.64	.....	9	10	8	10
1899	26.1	69	−35	4.32	6.43	2.25	19.0	14	7	5	16
1900	30.7	83	−11	3.94	5.62	2.31	10.0	12	5	10	13
1901	27.1	62	− 6	0.86	1.66	0.10	4.1	7	8	8	12
1902	26.7	68	−14	3.20	5.65	1.33	8.1	10	6	7	15
1903	35.3	74	−19	5.99	9.59	2.58	8.6	11	10	6	12
1904	29.3	80	−13	2.37	4.55	0.52	8.1	10	12	9	8
1905	25.6	56	−22	2.34	4.65	0.80	8.1	11	8	6	14
1906	32.4	79	−11	1.60	3.34	0.46	8.1	7	15	6	7
1907	31.1	68	−23	2.55	4.83	0.67	11.1	9	9	8	14
1908	30.9	72	−10	3.72	6.26	1.77	15.8	12	7	8	11
1909	40.4	80	− 5	4.16	7.68	1.44	3.4	13	7	8	13
1910	31.5	72	−11	3.18	6.56	0.98	13.5	8	9	8	11
1911	38.7	76	− 6	2.03	3.92	0.40	4.8	7	8	8	12
1912	27.3	70	−17	2.45	5.08	0.72	6.4	7	10	8	11
1913	32.6	80	− 4	2.27	6.15	0.21	4.7	7	13	6	9
1914	28.4	70	−22	3.64	6.96	1.63	19.7	10	9	7	12
1915	38.4	72	− 2	3.07	6.33	0.90	3.6	10	10	5	13
1916	31.4	72	−12	4.30	9.19	1.79	13.2	11	8	6	15
1917	31.0	80	−14	3.29	7.73	1.26	10.1	9	9	7	12
1918	35.4	81	−19	3.12	6.60	0.45	3.8	9	11	6	11
1919	35.2	72	− 2	1.85	3.93	0.35	3.5	9	11	5	12
1920	31.3	69	− 4	2.71	5.49	1.49	9.3	12	7	5	17
1921	37.4	79	−10	2.61	4.90	1.10	10.8	9	8	5	15
1922	38.2	77	−14	2.89	5.57	0.94	6.3	11	8	7	13
1923	30.4	70	−20	3.68	7.38	0.75	7.8	12	7	5	16
1924	31.6	74	−16	3.21	8.18	0.84	12.2	11	8	6	15
1925	39.8	80	− 5	2.49	4.32	0.35	2.0	8	10	6	12
1926	34.9	72	− 3	4.01	8.88	1.20	18.1	13	6	5	17
1927	40.9	79	6	4.49	8.64	2.40	11.0	15	7	6	15
1928	34.6	72	− 3	2.50	6.06	0.40	6.4	11	8	6	15
1929	30.0	70	−15	2.98	5.24	1.43	14.6	9	9	6	13
1930	39.8	81	−21	2.62	5.21	0.95	3.9	10	11	5	12
1931	35.8	68	5	2.57	4.68	1.08	1.6	9	10	5	13
1932	41.6	86	7	3.22	7.35	0.79	0.2	9	11	8	10
1891-1932	33.4	86	−35	3.12	9.59	0.10	8.6	10	9	7	12

Climatological Data for February, 1932

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	^{c}39.0	+ 9.9	79^{c}	11	7^{c}	1	30^{c}	4.35	+0.41	1.90	T.	11	18	7	4	w.	Lewis T. Clark
Circleville	Pendleton	......	0	......	......	......	......	......	......	...	3.91	......	1.48	3.4	10	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	......	......	......	......	......	......	....	2.27	−0.14	0.90	0.5	9	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	2	41.2	......	74	11†	16	1	45	2.51	......	1.66	T.	7	8	16	5	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}39.8	+ 8.6	75^{a}	26	18	1†	45^{a}	2.28	−0.23	0.93	T.	7	21	6	2	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	44.0	+10.0	86	11	15	24	48	2.63	+0.35	2.00	0	4	27	1	1	......	M. S. Henkel
Piedmont	Mineral	1,053	19	39.5	+ 6.1	84	11	15	1†	45	2.11	−0.37	1.67	T.	5	10	13	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}39.6	+ 6.4	85^{a}	11	14	24	49^{a}	2.46	+0.27	1.12	0	6	9	6	14	......	George E. Bergdoll
Stony River Dam	Grant	3,300	12	......	......	......	......	......	......	....	3.81	−0.02	1.56	0.5	10	4	4	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	33	^{f}40.7	+ 7.6	76^{e}	10	14^{f}	24	41^{f}	2.66	+1.03	2.34	0	4	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	15	^{a}40.6	......	83^{a}	11	12	24	49^{a}	2.15	......	1.35	T.	5	15^{e}	3^{e}	6^{e}	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8	......	......	......	......	......	......	....	2.71	......	1.14	T.	8	7	14	8	w.	L. Else Bond
Alma (near)	Tyler	800	5	......	......	......	......	......	......	....	1.60	......	0.70	0	12	7	11	11	......	D. N. Furbee
Alpena	Randolph	2,571	2	37.0	......	74	11	11	1	33	4.82	......	2.37	1.5	10	6	16	7	w.	Christian Hertig
Benson	Harrison	1,080	8	41.4	......	76	11	11	1	41	2.59	......	0.92	0	8	9	15	5	......	John A. Clark
Bens Run	Pleasants	652	30	42.3	+10.0	77	11	16	1	41	1.57	−1.61	0.59	0	8	15	6	8	......	J. D. Riggs
Brownsville	Lewis	1,032	9	41.2	......	77	11†	10	1	43	2.97	......	1.26	T.	8	17	8	4	......	George M. Meyers
Bruceton Mills	Preston	1,549	15	......	......	......	......	......	......	....	2.58	−1.14	0.98	T.	9	7	12	10	w.	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	35	41.9	+ 9.1	76	11	15	1	33	3.74	−0.18	1.60	0	9	16	4	9	......	H. A. Darnall
Cairo	Ritchie	680	31	42.2	+ 8.7	78	12	13	1	42	2.21	−1.06	0.91	0	9	12	10	7	......	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	6	......	......	......	......	......	......	....	4.89	......	2.79	5.0	11	......	......	......	......	Miss Blanche Cromer
Clarksburg	Harrison	1,015	10	40.0	+ 6.1	77	11	12	1	44	2 37	−0.86	0.70	0	9	9	7	13	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9	......	......	......	......	......	......	....	3.79	......	1.93	T.	8	10	12	7	nw.	George W. Blair
Creston	Wirt	640	30	42.5	+ 8.2	77	11	17	1†	43	2.89	−0.23	1.00	0	9	9	1	19	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	11	......	......	......	......	......	......	....	1.49	......	0.49	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	16	......	......	......	......	......	......	....	1.20	−1.23	0.24	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	16	......	......	......	......	......	......	....	1.16	−1.29	0.30	0	10	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	11	......	......	......	......	......	......	....	2.18	......	0.61	0	13	......	......	......	......	Lockmaster
Davis	Tucker	3,093	23	......	......	......	......	......	......	....	5.33	+1.07	1.62	0.5	14	......	......	......	......	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	20	......	......	......	......	......	......	....	2.41	−0.46	0.92	0	9	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	31	39.3	+ 7.7	77	11	14	1	35	4.81	+1.61	2.75	T.	12	4	9	16	w.	U. S. Weather Bureau
Fairmont	Marion	883	26	^{a}40.8	+ 8.2	78^{a}	11	13	1	45^{a}	2.04	−1.08	0.60	T.	10	8	9	12	s.	J. C. Robinson
Glenville	Gilmer	738	38	44.0	+ 9.7	79	11	17	1	43	3.22	−0.52	0.94	T.	11	11	8	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	41.4	+ 9.2	77	11	12	1	47	2.66	−0.52	1.00	0	8	17	2	10	......	W. E. Clayton
Horner	Lewis	1,044	9	......	......	......	......	......	......	....	3.26	......	1.70	0	8	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	7	......	......	......	......	......	......	....	3.75	......	2.27	T.	8	8	2	19	w.	J. W. White
Janelew (near)	Lewis	1,020	9	43.1	......	78	11	14	1	41	2.32	......	1.20	0	6	11	8	10	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	41.6	+ 9.2	77	11	10	1	42	2.68	−0.45	1.06	0	9	11	8	10	w.	Allen Smith
Mannington	Marion	985	29	40.6	+ 8.1	76	11	12	1	37	1.64	−1.31	0.51	0.1	12	7	10	12	nw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	41.6	+ 9.1	75	11	11	1	33	1.45	−1.60	0.35	T	8	8	16	5	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}37.0	+ 8.2	76^{a}	11	12	1	45^{a}	0.79	−1.70	0.20	1.0	10	7	6	16	n.	C. H. Hesse
New Martinsville	Wetzel	634	38	41 6	+ 8.2	78	11	12	1	41	1.24	−1.77	0.40	T.	6	14	9	6	s.	Wm. Ankrom
Parkersburg	Wood	638	45	42.6	+ 8.4	77	11	19	5	37	1.58	−1.65	0.78	T.	9	11	4	14	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	39.9	+ 8.7	82	11	13	1	42	3.84	+0.32	......	T.	8	11	11	7	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	......	......	......	......	......	......	....	5.40	+1.88	2.50	T.	10	5	13	11	......	Robert T. Deem
Philippi	Barbour	1,550	35	......	......	......	......	......	......	....	2.92	−0.44	0.89	0	9	......	......	......	......	Prof. W. W. Thomson
Pickens^{b}	Randolph	2,697	29	38.6	+ 6.9	74	11	9	1	44	7.35	+2.08	2.55	0.5	9	11	10	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	......	......	......	......	......	......	....	3.36	......	1.61	0	9	15	6	8	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	......	......	......	......	......	......	....	4.08	+0.53	0.94	0.2	14	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	23	......	......	......	......	......	......	....	1.58	−1.64	0.63	0	10	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	31	36.4	+ 7.9	74	11	8	1	41	3.75	+0.13	0.96	1.2	13	2	9	18	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	......	......	......	......	......	......	....	4.93	......	1.50	0.4	11	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	9	42.2	......	77	11	15	1	38	3.15	......	1.32	0	8	8	11	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	......	......	......	......	......	......	....	3.86	......	1.71	0	8	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	25	38.2	+ 8.7	77	11	12	1	35	1.17	−1.40	0.26	0	9	10	9	10	w.	George P. Pfister
West Milford	Harrison	979	7	......	......	......	......	......	......	....	2.97	......	1.00	0	8	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	43.5	+10.0	75	11	16	1	36	3.10	−0.62	0.89	0	10	1	21	7	......	Weston State Hospital
Wheeling	Ohio	645	45	37.4	+ 5.6	78	11	9	1	47	1.23	−1.34	0.30	0.5	9	7	9	13	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5	......	......	......	......	......	......	....	1.60	......	0.44	0	10	15	5	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	......	......	......	......	......	......	....	4.70	......	2.50	4.5	10	10	11	8	w.	H. S. Sutton
Bancroft	Putnam	574	28	40.5	+ 5.8	65^{a}	10†	17	1	38^{a}	3 22	+0.22	1.50	0	8	10	0	19	ne.	R. E. Dent
Beckley	Raleigh	2,440	29	47.0	+13.0	73	11	13	1	46	5.18	+2.20	1.20	0.5	11	13	8	8	......	L. A. Mauck
Bluefield^{e}	Mercer	2,558	37	44.6	+10.2	71	11	18	1	31	3.74	+0.55	0.95	0	9	17	1	6	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	17	......	......	......	......	......	......	....	4.03	+1.01	1.00	0	7	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	29	46 9	+ 8.0	80	11	20	1†	46	4.18	+0.66	1.45	0	8	11	1	17	......	Dr. J. M. Cook
Clay	Clay	706	16	......	......	......	......	......	......	....	4.48	+1.23	1.49	T.	10	......	......	......	......	Chilton Wilson
Dam 19 O. R.	Wood	600	16	......	......	......	......	......	......	....	1.81	−0.88	0.90	0	9	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	16	......	......	......	......	......	......	....	2.02	−0.98	0.82	0	8	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	5	......	......	......	......	......	......	....	2.08	......	0.96	0	7	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	16	......	......	......	......	......	......	....	2.57	−0.07	0.93	0	7	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	16	44.1	+ 6.8	76	11	17	1†	44	3.92	+0.56	1.01	T.	11	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	44.0	+ 8.8	78	11	19	2	48	4.21	+1.12	0.80	T.	11	15	3	11	......	Mrs. M. L. McClung
Huntington	Cabell	538	35	46.8	+12.9	78	11	20	1	38	3.08	+1.17	1.42	T.	9	10	7	12	w.	H. N. Robinson
Kanawha Falls	Fayette	618	13	......	......	......	......	......	......	....	4.33	+1.85	1.20	0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	16	......	......	......	......	......	......	....	4.72	+1.39	1.02	0	12	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	6	......	......	......	......	......	......	....	4.38	......	0.90	0	8	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	2	......	......	......	......	......	......	....	5.24	......	1.09	0	7	19	0	10	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	41.7	+ 8.7	74	11	18	1	37	......	......	......	......	.....	20^{a}	0^{a}	8^{a}	......	Geo. T. Argabrite
Logan	Logan	700	29	......	......	......	......	......	......	....	5.01	+1 44	1.20	0	8	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	33	35.6	+ 3.9	68	11	12	1†	38	5.12	+1.64	2.12	2.5	9	5	18	6	nw.	S. L. Brown
Point Pleasant	Mason	595	39	44.0	+11.0	77	11	15	1	41	2.49	−0.93	1.01	0	9	11	8	10	w.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	2	39.6	......	74	11	13	1	40	5.69	......	1.21	0	13	17	2	10	......	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	9	44.3	+ 6.6	75	11	17	1	39	2.41	−0.34	0.96	0	8	11	0	18	nw.	Lockmaster
Richwood	Nicholas	2,193	2	46.5	......	84	10	14	1	42	4.72	......	0.88	T.	8	6	0	23	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	41.3	+ 7.5	76	10	16	1†	51	2.50	−0.55	0.98	0	7	13	0	16	......	M. Frazier
Ryan	Roane	700	29	40.8	+ 6.7	75	11	11	1	44	3.07	−0.31	1.45	0	10	10	9	10	......	Wm E. Ryan
Sharples	Logan	889	12	......	......	......	......	......	......	....	4.73	+1.75	1.68	0	6	......	......	......	......	R. W. Howard
Spencer	Roane	789	28	44.4	+ 9.6	76	11	16	1	40	2.96	−0.24	1.06	T.	8	6	13	10	......	A. M. McKown
Sutton	Braxton	850	26	43.6	+ 7.9	75	11†	14	1	40	5.10	+1.60	2.20	0	8	21	0	8	......	C. B. Eakle
Union^{d}	Monroe	2,250	28	42.9	+ 8.1	75	11†	16	1	38	3.14	+0.30	0.65	T.	8	10	10	5	......	W. M. H. Young
Wayne	Wayne	598	5	......	......	......	......	......	......	....	3.58	......	1.24	0	7	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	^{a}39.2	+ 3 8	71^{a}	10	14	23	45^{a}	3.35	+0.35	1.00	T.	8	16	1	12	......	A. P. Spence
Williamson	Mingo	673	32	45.5	+ 8.5	78	11	21	1	42	4 97	+1.70	1.44	0	10	8	10	11	sw.	J. E. Dotson
State averages and	extremes	......	....	41.6	+ 8.3	86	11	7	1	51	3.22	+0.54	2.79	0.2	9	11	8	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for February, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac		.10	.46	1.90	.23			.50		.03		.20					.52				.03			.02				.36				4.35
Brandywine	do		.02		2.18				T.				T.					.04					.13					T.	.15				2.52
Circleville	do			.47	1.48	.76			.12	.04			.23					.42	.03				.13						.23				3.91
Harpers Ferry ‖‖	do			.19	.90	.50					.05		.12					.18					.04						.18	.11			2.27
Kearneysville	do		.06	.23	1.66						.04		.04					.18					T.						.30				2.51
Martinsburg ‖‖	do			.25	.93	.60			.05				.05					.20				T	T.			T.			.20				2.28
Moorefield	do			.45	2.00																	.02							.16				2.63
Piedmont	do			.02	1.67				.14									.27								T.		.01					2.11
Romney‖‖	do			.20	1.12	.60				.12								.22											.20				2.46
Stony River Dam	do			.75	1.56	.65					.05		.14					.36	.15				.04						.10	.01			3.81
Upper Tract	do			.10	2.34													.06											.16				2.66
Wardensville‖‖	do			.16	1.35	.33												.11								T.			.20				2.15
Northern Division																																	
Aberdeen	Monongahela		.12	.29	1.14	T			.22				.36					.32				T.	.10						.16	T.			2.71
Alma (near)	Ohio		.17	.10	.70		.01		.17			.07	.04					.20				.03	.04					.03	.04				1.60
Alpena	Monongahela		.42	.51	2.37	.04			.36				.35					.50				T.	.14	.12						.01			4.82
Benson	do		.22	.27	.92				.18				.34					.32					.10						.24				2.59
Bens Run	do		.37	.10	.59		.02		.17				.12					.16				T.	.04					T.	T.				1.57
Brownsville	do		.16	.48	1.26	T.							.34					.37					.15					.03	.18				2.97
Bruceton Mills	do		.26	T.	.98		.06		.31		.05	.12						.54				.06						.20	T.				2.58
Buckhannon	do		.18	.40	1.60				.28				.40					.50				T.	.08					.10	.20				3.74
Cairo	Little Kanawha		.26	.29	.91				.10				.23					.20				.09	.09						.04				2.21
Cheat Bridge‖‖	Monongahela		.05	.52	2.79	.26			.10	.03			.10					.42					.22						.27	.13			4.89
Clarksburg‖‖	Little Kanawha		.09	.30	.70	.22			.16				.26					.23					.10						.31				2.37
Crawford‖‖	do		.16	.21	1.93				.22				.36					.53					.17						.21				3.79
Creston‖‖	Monongahela		.20	.35	1.00	.11			.12				.45					.26					.28						.12				2.89
Dam 10, Mon. R.‖‖	Ohio		.04	.05	.49	.05			.25				.11					.23	T.				.07						.14	.06			1.49
Dam 12, O. R.‖‖	do		.07	.12	.15	.05			.21				.12					.22					.02						.24				1.20
Dam 13, O. R.‖‖	Monongahela		.02	.12	.30	.05			.21				.04					.24					02						.15	.01			1.16
Dam 15, Mon. R.‖‖	do		.05	.21	.61	.16		.04	.23		.02	T.	.12					.23	.03				.04						.40	.04			2.18
Davis ‖‖	do	T.	.03	.77	1.62	.76			.53	T.	.07	T.	.30					.54	.20		T.	T.	.06	.03		.02	T	.38	.02				5.33
Elizabeth(D'm 3 LK)	Little Kanawha		.23	.36	.92	.05			.09				.34					.16					.21						.05				2.41
Elkins***	Monongahela		.18	.28	2.75				.52		T	.21	.10				.10	.26		T.		.14	.01	T.	T.			.17	.09				4.81
Fairmont‖‖	do		.12	.16	.60	.05		.03	.22				.15					.35				.06							.30				2.04
Glenville ‖‖	Little Kanawha		.06	.57	.94	.26			.18				.41					.32	.08				.23						.12	.05			3.22
Grafton ‖‖	Monongahela		.16	.14	1.00				.25		.05	T.	.25					.30				T.						T.	.51				2.66
Horner	do			.25	1.70								.35					.42					.19			.10		.11	.14				3.26
Horton	do		.11	.35	2.27				.16				.10					.34		T.		.10							.32				3.75
Janelew (near)	do		.15	.20	1 20				.15									.20											.42				2.32
Lost Creek	do		.23	.21	1.06				.22				.39					.23				.03	.02					T.	.29	T.			2.68
Mannington	do		.16	.05	.51	.01	.04	T.	.23		.01		.16					.24				T.	.02					.04	.17				1.64
Morgantown	do			T.	.20	T.	T.	.20	T.		.05	.10	.10				.30		T.	T.	T.		.15	T.				T.	.35				1.45
New Cumberland‖‖	Ohio		.07	.13	.05	.02	T.		.09		.03	T	.10					.15		.01	T				T.				.14				0.79
New Martinsville	do		.12	.06	.40				.26				.30										.10										1.24
Parkersburg***	do		.23	.11	.72				.06			.16	.02				.05	.12				.11						T.					1.58
Parsons	Monongahela																																
Parsons No. 2	do		.26	.69	2.50				.49		.05		.16					.67		T.		T.	.10			T.		.05	.43				5.40
Philippi	do		.07	.58	.89	T.			.31	T.	.02		.30					.32	T.										.38	.05			2.92
Pickens	do		.47	.58	2.55				.64		T.		1.19					1.04	T.	T.		.16	.17						.55				7.35
Roanoke	do		.16	.31	1.61				.15				.31					.41				.08	.09						.24				3.36
Rowlesburg‖‖	do		.03	.62	.94	.59			.49		.02	.03	.22					.60	.12				.02			.02			.32	.06			4.08
Saint Marys‖‖	Ohio		.20	.15	.63	.03		.02	.12				.15					.15					.07						.06				1.58
Terra Alta	Monongahela	.06	.43	.96	.52		.06	.42		.04	T.	.12	T.				.57	.05	T.	T.		.05	T.		.01			.46	T.				3.75
Thomas ‖‖	do		T	.83	1.50	.83			.46	T.			.19					.45	.21				.07	T	T	.02			.33	.04			4.93
Valley Chapel	do		.16	.32	1.32				.18				.37					.33					.12						.35				3.15
Vandalia	do		.16	.34	1.71			.21				.38						.54					.16						.36				3.86
Wellsburg	Ohio		.26	.05	.14	T.	T.	.04	.10		.11	.10	T.					.19						T.				.18	T.				1.17
West Milford	Monongahela		.19	.38	1.00				.19					.38					.28				.10						.45				2.97
Weston	do			.51	.89	.35			.32				.31					.28	.11				.12						.18	.03			3.10
Wheeling‖‖	Ohio		.05	.12	.30	.03			.21				.06					.22			T.		.02			T.			.22	T.			1.23
Woodlands‖‖	do		.04	.13	.44	.02			.22				.20					.22	.01				.02						.30				1.60
Southern Division																																	
Arbovale	Great Kanawha		.25	.37	2.50	.04			.26		.02		.28					.35		T.		.24							.39				4.70
Bancroft ‖‖	do		.20	.21	1.50	.05			.14				.56					.30					.26										3.22
Beckley	do		.49	.70	.79				.37				1.20			.33	.22	.40		T		.32	.36					T	.30				5.18
Bluefield	do		.35	.75	.45				.47				.95			.04		.18						.40						.15			3.74
Camden-on-Gauley‖‖	do			.72	1.00	.60					.22		.87										.42						.20				4 03
Charleston ‖‖	do		.19	.73	1.45	.30			.14				.85					.22					.30										4.18
Clay‖‖	do		.18	.53	1.49	.45			.12				.94	T.				.29	.09				.31						.08				4.48
Dam 6 G. K ‖‖	do																																
Dam 19 O. R. ‖‖	Ohio		.17	.15	.90	.01			.09				.19					.14					.15						.01	T.			1.81
Dam 20 O. R. ‖‖	do		.20	.30	.82	.05			.06				.28					.12					.19						T.				2.02
Dam 25 O. R. ‖‖	do		.17	.41	.96				.14									.16	.02				.22										2.08
Dam 26 O. R. ‖‖	do		.20	.51	.93	.13			.11				.34					.35															2.57
Gary ‖‖	Big Sandy		.15	.76	.62	.31			.26	.15	.03		1.01			.03	T.	.24					.36										3.92
Hinton‖‖	do		.12	.80	.40	.49			.32	.03			.68			.03	T.	.54					.50						.30				4.21
Huntington	Ohio		.30	.08	1.42				.10			.43	T.				.20	.32				.18	.05					T.					3.08
Kanawha Falls‖‖	Great Kanawha		.23	.47	.64	.50			.45	T			1.20					.40					.37						.07				4.33
Kayford‖‖	do		.16	.51	.70	.63			.37	.23			1.02					.39	.02				.42						.26	.01			4.72
Kermit‖‖	Big Sandy		.35	.90	.60	.10			.45				1.15					.48					.35										4.38
Kingston	Great Kanawha		.48	.65	1.09				.76				.88					.50									.88						5.24
Lewisburg	do		T	.41	.47				T.			.43						.31					.16										†††
Logan‖‖	Guyandotte		.31	1.04	.98	.02			.52				1.20					1.45					.49										5.01
Marlinton	Great Kanawha		.52	.44	2.12				.32		T.		.46					.78				.10						.12	.26				5.12
Point Pleasant‖‖	Ohio		.22	.40	.98	.03			.04				.36					.22	.02				.22						T.				2.49
Rainelle	Meadow Creek		.58	.69	1.21	.02			.44				.94				.04	.66		.01		.22	.20					.07	.61				5.69
Ravenswood(Dam 22	Ohio‖‖		.17	.40	.96	.12							.32					.18					.26										2.41
Richwood	Great Kanawha		.46	.52	88				.53				.85		T.			.70				.34							.44				4.72
Robertsburg‖‖	do		.22	.20	.98	.03			.10				.29					.41					.27										2.50
Ryan	do		.27	.17	1.45				.08			.32	.20				.04	.29				.19	.06										3.07
Sharples‖‖	Coal River		.32	1.68					.82				1.32				.31											.28					4.73
Spencer ‖‖	Great Kanawha		.12	.40	1.06	.18			.10				.46					.36					.28										2.96
Sutton	Gauley		.20	.40	2.20				.35				.80					.55					.35						.25				5.10
Union	do		.27	.45	.65				.24				.49			.05		.43					.56					T.					3.14
Wayne ‖‖	Big Sandy		.37	.33	1.24				.14			T.	.70				T.	.57				T.	.23										3.58
White Sulpr. Spgs.‖‖	Great Kanawha		1.00	.20	.50			.15				.50					.60					.20						.20					3.35
Williamson‖‖	Big Sandy		.31	.75	1.33	.11			.38				.95			.03	T.	.60	.02				.49										4.97

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for February, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	30	43	52	..	..	..	52	51	49	66	79	70	45	38	46	45	55	52	40	37	42	33	33	59	62	58	59	48	50	...	....	49.8
	Minimum	9	20	42	..	..	..	35	35	19	40	59	41	24	28	25	15	34	22	24	20	30	22	10	29	33	28	32	30	30	....	....	28.3
Brandywine	Maximum	35	45	44	48	50	57	58	60	58	65	80	70	52	50	50	44	65	55	50	42	40	50	44	50	65	70	68	54	58	....	....	54.4
	Minimum	10	27	35	40	20	26	22	38	20	38	42	40	22	18	30	18	34	25	26	23	15	27	29	13	23	30	33	37	29	....	....	27.2
Kearneysville	Maximum	34	38	62	56	43	50	56	60	46	46	74	72	54	47	44	39	62	61	50	45	50	52	42	34	52	74	67	55	54	....	....	52.4
	Minimum	16	29	28	39	22	30	27	43	23	34	35	52	34	28	29	20	32	31	21	28	20	36	28	18	29	29	39	40	31	....	....	30.0
Martinsburg‖‖	Maximum	38	36	59	50	46	50	56	63	43	48	68	63	55	50	45	43	64	43	51	43	50	51	38	35	54	75	66	44	..	....	....	51.0
	Minimum	18	19	29	34	28	29	29	36	25	26	36	38	35	30	28	21	25	32	22	26	20	29	31	18	26	30	34	40	33	....	....	28.5
Moorfield	Maximum	41	40	65	58	50	56	62	62	57	62	86	81	58	51	52	50	70	64	51	48	51	58	47	47	67	75	68	67	59	....	....	58.7
	Minimum	19	23	32	40	27	32	34	39	23	36	38	52	34	20	33	19	37	19	21	28	18	22	30	15	25	30	35	42	24	....	....	29.2
Piedmont	Maximum	36	38	60	48	41	47	57	55	38	46	84	65	45	43	47	41	63	49	45	41	46	45	37	37	60	68	60	43	54	....	....	49.6
	Minimum	15	26	37	36	27	30	26	36	23	34	39	45	25	28	31	20	36	29	21	22	19	36	25	15	31	34	36	36	36	....	....	29.4
Romney‖‖	Maximum	39	38	63	48	46	61	59	59	43	49	85	62	50	47	52	47	64	43	49	46	48	51	37	39	61	72	65	47	..	....	....	52.5
	Minimum	15	17	28	37	27	27	24	41	22	22	36	39	26	30	30	19	20	29	20	24	17	21	30	14	19	30	37	38	36	....	....	26.7
Upper Tract	Maximum	38	52	60	56	52	50	60	53	49	76	..	58	54	..	50	46	62	58	..	46	..	45	40	45	65	60	..	43	55	....	....	53.0
	Minimum	15	22	39	40	38	35	23	25	20	35	..	48	26	..	26	18	35	27	.	19	..	18	29	14	28	35	..	38	..	....	....	28.4
Wardensville	Maximum	40	48	64	54	47	56	60	76	47	56	83	80	52	48	50	45	69	46	49	50	48	53	39	45	60	74	62	45	..	....	....	55.2
	Minimum	17	20	25	34	28	25	23	34	21	25	34	46	22	29	34	17	22	29	18	24	16	25	30	12	19	29	31	38	30	....	....	26.1
Northern Division																																	
Alpena	Maximum	33	43	51	53	41	44	49	48	52	62	74	65	41	36	43	49	52	51	37	35	42	37	32	34	58	60	56	51	47	....	....	47.4
	Minimum	11	25	38	33	19	21	25	26	19	36	56	38	23	21	26	18	33	20	24	18	18	30	22	13	25	39	28	37	29	....	....	26.6
Bens Run	Maximum	30	45	53	54	54	42	51	51	49	70	77	62	50	42	43	54	62	46	51	45	47	44	42	44	65	68	67	58	59	....	....	52.6
	Minimum	16	27	41	34	28	29	27	40	25	43	60	43	32	28	29	27	44	28	27	23	27	35	29	20	28	27	35	39	36	....	....	32.0
Buckhannon	Maximum	34	46	57	57	42	48	50	55	55	67	76	70	47	40	45	45	58	48	45	45	49	45	40	42	61	65	62	50	53	....	....	51.6
	Minimum	15	28	44	37	28	30	27	41	25	48	55	44	29	24	30	25	40	28	28	24	26	37	30	20	28	35	33	37	37	....	....	32.2
Cairo	Maximum	35	47	55	58	46	46	53	53	59	71	77	78	47	41	45	57	64	56	50	45	48	42	42	49	67	68	65	50	59	....	....	54.2
	Minimum	13	28	41	38	29	23	22	40	21	49	51	41	25	22	31	23	44	27	24	18	24	35	26	15	25	30	30	33	44	....	....	30.1
Clarksburg ‖‖	Maximum	40	50	56	58	45	46	55	54	59	70	77	54	45	40	43	58	61	45	46	44	49	43	35	42	65	67	65	42	56	..	....	52.1
	Minimum	12	17	37	40	27	28	23	25	23	26	58	45	28	23	26	23	28	28	22	20	22	30	30	15	25	28	30	34	34	....	....	27.8
Creston	Maximum	38	47	58	52	46	47	51	55	60	73	77	59	51	44	48	55	56	49	50	45	47	45	40	50	68	69	66	61	59	....	....	54.0
	Minimum	17	29	42	35	29	25	23	41	23	52	51	44	26	23	32	25	45	28	28	19	22	35	26	17	25	31	31	39	35	....	....	31.0
Elkins	Maximum	36	48	57	58	44	46	52	56	56	70	77	57	42	38	43	52	57	36	42	37	48	41	32	39	61	65	59	43	50	....	....	49.7
	Minimum	14	33	43	27	24	29	27	26	21	44	55	30	27	25	30	22	36	25	26	22	20	30	18	17	29	40	31	33	35	....	....	28.9
Fairmont‖‖	Maximum	37	47	58	59	45	42	57	53	57	70	78	58	49	40	49	57	63	52	52	49	50	50	38	40	67	69	63	42	..	..	....	53.2
	Minimum	13	15	37	39	27	27	26	29	24	25	42	44	30	25	26	23	33	27	24	23	23	27	29	18	27	34	35	38	36	....	....	28.5
Glenville	Maximum	39	49	58	61	49	48	54	60	64	73	79	74	55	44	51	60	63	54	51	48	49	47	45	49	68	70	68	64	59	....	....	57.0
	Minimum	17	28	43	36	30	25	24	41	23	30	53	46	27	23	33	25	45	28	28	20	25	38	31	19	26	33	31	34	36	....	....	31.0
Grafton	Maximum	31	46	56	59	41	45	50	50	57	68	77	74	51	43	46	60	63	51	40	40	51	42	39	42	64	65	64	48	58	....	....	52.4
	Minimum	12	26	42	36	26	25	25	42	22	49	63	48	25	23	28	23	46	28	20	23	22	37	29	15	17	30	30	36	35	....	.. .	30.4
Lost Creek	Maximum	35	46	57	59	45	46	62	53	58	68	77	75	52	42	44	46	60	57	47	44	49	43	42	42	64	68	65	59	55	.. .	....	53.8
	Minimum	10	24	40	37	26	30	22	40	20	48	56	42	26	20	27	20	41	25	22	16	20	35	29	14	22	38	30	35	35	....	....	29.3
Mannington	Maximum	29	45	55	58	41	42	52	52	51	67	76	74	49	40	41	53	63	50	46	44	49	43	38	40	62	66	63	52	55	. ..	....	51.6
	Minimum	12	25	41	36	27	26	24	40	22	40	62	44	25	23	26	25	43	28	21	19	20	35	28	15	25	30	29	36	35	....	....	29.7
Morgantown	Maximum	29	42	54	58	36	41	53	54	50	64	75	71	60	38	37	55	59	58	49	48	49	42	42	42	58	65	66	57	58	....	....	52.1
	Minimum	11	26	35	34	24	33	35	34	18	47	63	44	35	24	21	33	41	25	25	21	29	33	23	16	32	35	42	32	31	....	....	31.1
New Cumberland‖‖	Maximum	33	47	49	47	38	42	50	46	55	68	76	53	42	40	35	55	60	35	43	41	49	41	29	37	59	64	55	41	..	....	....	47.5
	Minimum	12	13	33	38	25	25	28	30	21	23	55	41	35	22	20	20	21	25	25	23	22	29	24	15	21	23	34	34	35	....	....	26.5
New Martinsville	Maximum	31	45	54	53	41	42	52	51	55	69	78	62	51	41	43	55	62	46	56	46	55	48	52	44	65	69	68	54	58	....	....	53.3
	Minimum	12	25	41	33	25	26	25	40	22	40	60	41	28	25	26	25	41	27	23	21	22	35	27	16	24	34	32	37	36	....	....	30.0
Parkersburg	Maximum	34	48	54	53	46	46	52	55	55	70	77	62	43	40	44	54	63	41	49	42	47	43	35	49	66	67	67	47	57	....	....	51.9
	Minimum	19	31	43	30	28	33	29	32	26	55	60	38	33	29	30	29	37	28	30	24	30	35	24	23	29	45	39	38	38	....	....	33.3
Parsons	Maximum	35	47	60	58	45	47	58	56	62	68	82	58	47	42	50	45	48	43	45	46	50	44	40	38	65	68	64	45	55	....	....	52.1
	Minimum	13	21	39	32	24	29	24	23	20	43	57	34	24	23	28	21	57	26	22	23	20	34	20	15	28	30	29	34	34	....	....	27.8
Pickens	Maximum	47	45	53	55	43	..	..	53	54	64	74	58	45	39	46	44	54	42	43	42	45	44	42	43	51	67	59	46	51	.. .	....	50.0
	Minimum	9	31	39	26	20	..	..	33	33	45	45	35	25	18	28	24	40	23	23	17	20	21	20	21	32	23	24	31	32	....	...	27.3
Terra Alta	Maximum	37	50	51	59	40	41	51	52	52	63	74	50	40	35	43	50	62	32	42	42	46	39	29	35	58	61	55	36	53	....	....	47.5
	Minimum	8	32	37	19	18	28	34	16	18	50	41	27	21	24	20	23	21	23	19	14	31	21	9	26	33	37	31	29	27	....	....	25.4
Wellsburg	Maximum	31	42	60	49	40	42	49	50	43	66	77	63	49	40	37	52	60	45	45	42	48	41	40	37	37	66	55	50	55	....	....	48.8
	Minimum	12	26	38	35	25	27	26	33	20	38	48	41	26	26	21	17	39	25	22	22	20	27	23	13	20	31	29	35	36	....	....	27.6
Westou	Maximum	35	52	55	60	58	50	54	52	50	65	75	74	48	42	45	50	58	55	45	42	48	47	40	45	58	65	68	67	55	....	. ..	53.7
	Minimum	16	28	41	42	28	29	38	41	25	45	62	44	30	34	30	25	45	28	29	20	25	38	30	19	28	40	32	38	36	....	....	33.3
Wheeling‖‖	Maximum	35	50	52	42	40	42	50	40	58	68	78	57	47	44	44	57	62	44	49	43	46	44	35	41	65	70	62	44	60	....	....	50.7
	Minimum	9	17	30	42	21	20	22	25	19	26	52	38	25	22	21	20	25	20	20	20	21	22	21	10	21	23	31	30	22	....	....	24.0
Southern Division																																	
Beckley	Maximum	57	56	60	58	66	64	57	56	56	65	73	72	70	69	68	67	66	65	65	64	63	62	61	60	62	66	64	62	61	....	....	63.3
	Minimum	13	32	44	29	23	28	27	32	22	39	57	41	27	23	28	32	35	25	29	19	29	32	26	28	33	39	38	33	28	....	....	30.7
Bluefield	Maximum	48	50	58	61	47	51	..	60	53	68	71	69	56	..	48	47	56	56	43	42	..	..	49	54	63	67	64	..	61	....	....	55.9
	Minimum	18	35	43	38	24	33	..	32	26	42	56	44	31	.	26	35	37	27	33	21	..	..	28	26	34	41	41	..	30	....	....	33.4
Charleston ‖‖	Maximum	45	56	65	62	55	55	60	66	67	74	80	68	59	47	54	59	66	55	56	55	45	55	54	60	73	77	76	47	67	....	....	60.6
	Minimum	20	20	39	47	32	32	31	31	28	28	56	46	33	31	31	35	35	32	33	28	28	33	31	25	27	34	38	42	37	....	....	33.2
Gary ‖‖	Maximum	52	55	62	62	52	56	64	58	61	72	76	62	50	43	45	56	60	45	45	60	48	53	45	67	66	69	63	44	64	....	....	56.9
	Minimum	17	17	38	49	30	26	27	34	28	28	48	49	29	27	31	34	43	32	33	26	26	36	27	22	23	29	32	38	30	....	....	31.3
Hinton ‖‖	Maximum	49	44	63	63	55	57	65	61	57	75	78	65	53	45	43	51	63	49	48	53	43	54	48	60	70	73	69	43	64	....	....	57.3
	Minimum	20	19	34	42	29	29	29	29	27	27	41	49	29	30	31	33	35	32	31	27	27	33	31	22	23	30	33	38	32	....	....	30.8
Huntington	Maximum	42	49	60	59	54	52	52	59	59	76	78	73	61	51	48	53	64	48	54	48	48	50	45	59	69	72	70	64	65	....	....	58.0
	Minimum	20	33	38	36	32	30	29	46	27	46	58	44	33	31	36	35	45	30	36	25	33	39	31	24	31	42	42	41	36	....	....	35.5
Lewisburg	Maximum	43	40	59	52	45	51	55	57	52	67	74	65	59	40	44	46	57	56	46	45	42	48	42	54	63	67	65	59	59	....	....	53.5
	Minimum	18	29	33	30	34	28	24	32	33	34	43	40	25	24	30	29	36	27	29	21	25	33	26	19	27	30	35	36	37	....	....	29.9
Marlinton	Maximum	38	36	56	52	42	46	48	46	48	58	68	56	42	40	40	42	54	46	40	40	34	42	34	46	58	60	56	48	48	....	....	47.0
	Minimum	12	22	32	26	20	22	26	32	18	30	36	42	20	18	28	20	34	22	24	16	16	26	20	12	22	22	28	32	26	....	....	24.3
Point Pleasant	Maximum	38	48	57	59	48	48	50	55	54	75	77	65	55	46	47	55	65	49	53	48	45	46	44	55	68	70	70	65	62	....	....	55.8
	Minimum	15	28	42	34	28	30	25	40	22	45	60	40	28	25	30	43	47	26	30	20	26	34	28	20	27	35	36	38	31	....	....	32.2
Rainelle	Maximum	41	36	58	58	44	48	54	52	50	64	74	65	45	37	40	46	57	54	42	44	48	47	38	51	61	65	62	47	56	....	....	51.2
	Minimum	13	30	33	30	21	31	30	40	20	38	44	41	22	24	29	28	34	24	26	19	24	28	26	14	23	25	29	33	29	....	....	27.9
Ravenswood	Maximum	37	46	54	53	46	47	51	50	54	70	75	73	55	45	45	54	63	55	51	49	42	48	44	51	66	69	67	66	59	....	....	54.7
	Minimum	17	30	45	36	30	28	25	44	25	51	61	43	29	26	32	29	45	28	30	21	27	36	31	41	27	37	36	39	35	....	....	33.9
Richwood	Maximum	41	62	70	62	44	49	72	61	55	84	77	72	74	72	68	65	58	60	45	42	55	57	44	49	61	66	71	67	56	....	....	60.7
	Minimum	14	30	40	37	24	26	35	26	26	42	57	43	41	38	22	33	30	26	29	35	40	36	29	19	29	31	34	32	32	....	....	32.3
Robertsburg‖‖	Maximum	42	50	58	59	50	51	58	58	57	76	75	57	42	40	41	58	59	42	56	45	37	48	41	59	68	50	47	48	61	....	....	52.9
	Minimum	16	16	38	50	30	26	26	27	24	25	57	43	30	27	27	29	33	27	27	22	23	29	31	21	27	23	37	37	32	....	....	29.7
Ryan	Maximum	36	45	58	60	55	45	50	54	58	70	75	56	45	38	46	50	60	45	45	45	40	43	40	50	65	70	70	50	48	....	....	52.1
	Minimum	11	27	38	39	23	27	36	36	20	51	51	42	23	21	25	26	42	25	27	18	21	32	25	16	21	28	30	36	35	. ..	....	29.4
Spencer ‖‖	Maximum	43	55	60	61	47	52	60	55	60	70	76	58	49	41	47	55	62	43	51	44	47	45	40	51	68	70	68	46	61	....	....	54.7
	Minimum	16	38	39	44	30	29	25	50	24	42	60	45	31	25	34	29	40	29	36	22	28	38	31	20	28	42	35	39	37	....	....	34.0
Sutton	Maximum	40	48	59	59	51	48	53	53	61	71	75	75	55	46	48	55	60	60	48	48	44	45	45	51	67	68	68	65	57	....	....	56.0
	Minimum	14	27	41	40	27	25	24	39	23	50	52	47	26	23	33	26	43	28	28	21	21	38	30	18	27	30	32	38	35	....	....	31.2
Union	Maximum	40	42	59	60	56	52	..	58	54	68	75	75	57	..	49	49	59	57	47	45	..	49	50	54	64	68	67	..	61	....	....	56.6
	Minimum	16	31	35	45	24	29	..	24	23	34	48	42	25	..	23	31	34	27	28	21	..	25	27	18	26	30	33	..	31	...	....	29.2
White Sulphur Spgs.	Maximum	43	60	59	47	52	60	51	51	69	71	63	51	40	45	41	57	47	46	47	40	48	45	50	62	50	63	45	64	..	....	....	52.4
	Minimum	19	32	40	23	23	20	24	20	24	37	43	21	20	25	29	34	25	28	19	20	25	26	14	22	24	24	27	30	32	....	....	25.9
Williamson‖‖	Maximum	49	54	63	61	53	53	61	60	62	74	78	60	51	45	48	61	62	47	50	46	45	53	47	58	61	71	67	48	64	....	....	57.0
	Minimum	21	22	40	51	34	31	30	31	30	32	50	49	32	31	34	35	38	34	34	28	29	39	29	27	28	32	36	45	34	....	....	34.0

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-28-32—900)

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UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

Vol. XL Parkersburg, W. Va., March, 1932 No. 3

GENERAL SUMMARY

For March, 1932, the temperature was much below the normal and the precipitation considerably above. The longest period of low temperature of March record probably occurred from the 5th to the 16th, when the lowest temperature of the winter was noted. After the 16th the temperature averaged near the normal. The precipitation was fairly well distributed throughout the month and over the State. The snowfall was heavy. Heavy drifting snow fell over the northern counties on the 5-6th and 27-28th, making travel by automobile difficult in the mountain regions. Moderately high winds prevailed on the 22d, but only slight damage resulted. A few roofs and small buildings were damaged in Parkersburg and vicinity, causing a loss of approximately $4,000.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 36.6°. The departure from the normal for 44 stations having ten or more years of record was −6.1°. The month opened moderately warm but unusually cold weather prevailed from the 5th to the 16th. After the 16th the temperatures averaged near the normal. The highest temperatures occurred on the 3d, 21st and 30th, the temperature being generally the highest over the extreme eastern counties on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 94 stations, was 5.32 inches. The departure from the normal for 66 stations having ten or more years of record was + 1.39 inches. The precipitation was heaviest over the northern mountain counties and lightest over the extreme eastern counties and the northern Ohio River counties. The greater portion of the precipitation was received on the 3d-4th, 6th, 17th, 20th-22d, 26-28th, 30th-31st, the greatest amounts being measured on the 17th and 27-28th. Most of the snow fell on the 6th, 13-14th and 28th. The following monthly amounts, in inches, were noted: Pickens, 39.0; Alpena, 37.0; Bayard, 34.0; Horton, 30.8; Stony River Dam, 26.0.

FLOOD

Slight floods occurred in the Little Kanawha River on the 18th and 28-29th. On the 18th the crest stage at Glenville, was 25 feet, and at Creston, 20.7 feet. On the 28th the crest stage at Glenville was 24 feet and at Creston, 21.3 feet.

MISCELLANEOUS PHENOMENA

Fogs, dense: Williamson, 2d; Pickens, Richwood and Terra Alta, 4th; Richwood and Terra Alta, 5th; Glenville, Mannington, Parkersburg, Parsons, and Terra Alta, 17th.

MISCELLANEOUS PHENOMENA (Continued)

Halo, lunar: Elkins, 18th.

Sleet: Lost Creek and New Cumberland, 2d; New Cumberland and Wellsburg, 21st; Martinsburg, 28th.

Thunderstorms (dates and number of stations reporting): 17th, 4; 21st, 2; 22d, 6; 27th, 2.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	29.98	82	58	65	187.4	50	7,722	10.4	30	sw.	22
Columbus, Ohio	29.95	79	61	64	138.0	37	10,549	14.2	36	w.	22
Elkins	29.96	83	65	67	128.9	35	6,146	8.3	30	w.	22
Lexington, Ky	30.00	83	69	....	164.5	44	10,848	14.6	44	w.	22
Parkersburg	29.96	76	61	60	184.6	50	6,567	8.8	35	se.	22
Pittsburgh, Pa	29.92	75	59	62	185.8	50	9,227	12.4	41	w.	22
Wytheville, Va	29.92	73	54	62	184.0	49	6,766	9.1	34	w.	22

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	34.9	......	......	4.91	......	......	......	......	......	......	......
1892	36.4	87	8	3.50	......	......	......	......	......	......	......
1893	40.7	84	3	1.49	2.89	0.89	5.2	9	8	8	15
1894	45.8	88	1	1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	90	0	3.05	4.75	0.89	7.9	11	11	9	11
1896	36.1	76	−10	4.45	8.40	1.76	......	13	10	8	13
1897	46.1	81	12	3.60	6.52	1.33	......	12	9	10	12
1898	48.5	86	9	5.13	10.05	1.25	T.	12	8	9	14
1899	42.5	76	0	5.82	8.48	2.40	4.5	13	7	9	15
1900	38.5	78	− 5	3.79	6.48	2.18	14.7	12	7	9	15
1901	42.9	83	−11	3.23	5.27	0.90	2.3	12	8	8	15
1902	43.4	80	− 5	4.30	6.29	3.00	15.0	11	10	9	12
1903	51.3	87	13	4.47	6.59	2.70	0.2	11	10	9	12
1904	43.8	86	7	4.12	6.10	1.38	1.9	11	9	8	14
1905	46.6	88	− 2	4.10	6.46	1.45	0.7	10	14	7	10
1906	37.3	75	− 7	4.77	8.11	1.98	13.4	14	7	6	18
1907	49.6	**94**	2	4.77	8.18	1.05	4.2	12	12	8	11
1908	47.8	89	15	6.04	8.60	1.23	1.1	13	11	8	12
1909	40.8	83	10	3.38	8.66	1.10	4.7	13	9	10	12
1910	49.5	90	5	**0.55**	2.25	**0.04**	1.1	4	18	9	4
1911	40.5	90	− 5	3.30	7.86	1.12	5.2	12	11	8	12
1912	39.9	80	6	5.02	9.36	1.78	5.1	15	8	7	16
1913	45.7	89	− 3	4.53	7.90	1.77	2.7	12	11	9	11
1914	37.3	83	**−13**	3.03	7.11	0.89	**17.7**	12	10	8	13
1915	**34.4**	63	7	1.61	4.32	0.53	6.7	8	12	7	12
1916	38.5	88	− 4	4.88	9.88	2.49	9.0	13	11	7	13
1917	41.9	85	− 3	**6.58**	**14.20**	3.10	11.6	14	14	4	13
1918	46.5	85	9	4.26	9.37	1.55	0.1	9	16	5	10
1919	44.5	81	12	2.92	4.81	1.60	0.8	9	16	6	9
1920	42.8	83	− 5	3.38	8.87	1.40	3.1	9	17	5	9
1921	**52.7**	90	10	2.84	5.75	0.63	T.	10	14	8	9
1922	45.0	85	0	5.33	8.19	1.40	3.3	15	10	5	16
1923	41.7	82	− 4	3.23	5.50	0.88	3.2	10	15	5	11
1924	38.9	83	4	4.16	7.86	1.60	9.9	11	10	7	14
1925	43.6	82	−12	3.25	6.59	1.00	2.2	11	12	6	13
1926	35.9	75	− 9	2.87	9.82	0.35	10.0	13	10	7	14
1927	45.4	89	5	2.66	4.97	0.20	1.0	9	11	6	14
1928	41.4	86	− 3	3.87	7.64	1.32	16.3	12	10	9	12
1929	46.7	92	− 2	3.47	6.65	1.27	4.8	12	12	6	13
1930	40.3	79	0	3.21	6.03	0.20	6.9	11	14	6	11
1931	37.4	68	10	3.52	7.95	1.90	9.0	16	4	6	21
1932	36.6	80	− 3	5.32	9.79	2.25	8.0	13	8	8	15
1891-1932	42.4	94	−13	3.82	14.20	0.04	5.7	11	11	7	13

Climatological Data for March, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	31.5	−6.7	65	3	2	9	43	7.54	+2.90	1.50	34.0	16	9	6	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	35.8	−6.6	70	3	5	9	43	3.70	+1.23	1.75	8.0	9	15	4	12	n.	Elmer Keister
Circleville	Pendleton		0								5.75		1.54		19					Moses R. Bennett
Harpers Ferry	Jefferson	244	43								4.39	+1.45	1.89	7.3	10					J. C. Newcomer
Kearneysville	Jefferson	548	2	38.7		69	30	8	9	41	3.48		1.24	5.0	10	3	19	9	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}37.3	−4.5	72^{a}	30	13	8	43^{a}	4.08	+0.90	1.60	1.0	11	23	4	4	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	39.5	−5.2	74	30	11	16	46	4.42	+1.83	1.33		8	28	0	3		M. S. Henkel
Piedmont	Mineral	1,053	19	35.6	−6.3	72	30	9	9	43	4.32	+1.45	2.08	3.8	7	6	13	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}36.8	−5.9	75^{a}	30	11	7†	48^{a}	2.77	−0.04	0.99		9	9	11	11		George E. Bergdoll
Stony River Dam	Grant	3,300	12								6.66	+3.53	1.44	36.0	13	0	7	24	w.	A. C. Becker
Upper Tract^{f}	Pendleton	1,230	33	34.0	−8.8	70	30	8	9	42	4.20	+2.08	2.50		5					J. M. Mallow
Wardensville	Hardy	1,200	15	^{a}36.8		69^{a}	30	10	16	45^{a}	4 47		1.47	5.5	12	13^{a}	7^{a}	10^{a}		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8								6.11		1.33	6.8	11	4	19	8	w.	L. Else Bond
Alma (near)	Tyler	800	5								4.21		0.77	4.8	15	6	11	14		D. N. Furbee
Alpena	Randolph	2,571	2	31.1		64	30	1	9	46	6.57		1.50	37.0	17	3	13	15	w.	Christian Hertig
Benson	Harrison	1,080	8	35.8		74	21	−2	9	40	5.29		0.90	5.2	14	8	13	10		John A. Clark
Bens Run	Pleasants	652	30	38.2	−5.6	73	21	8	9	39	4.73	+0.73	1.00	5.0	9	11	10	10		J. D. Riggs
Brownsville	Lewis	1,032	9	^{a}37.4		74^{a}	21	2	7	42^{a}	5.15		1.15	3.0	13	4	7	10		George M. Meyers
Bruceton Mills	Preston	1,549	15								6.27	+2.57	1.17	17.5	12	3	14	14	w.	Mrs. H. R. Muldoon
Buckhannon	Upshur	1,411	35	37.5	−4.6	72	21	8	9†	39	6.81	+2.33	1.55	9.0	11	11	4	16		H. A. Darnall
Cairo	Ritchie	680	31	37.0	−8.0	77	21	−3	9	51	5.07	+1.11	0.90	6.0	13	8	7	16		Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	6								9.24		2.24		18					Miss Blanche Cromer
Clarksburg	Harrison	1,015	10	35.0	−5.7	75	21	7	9	45	4.42	+1.50	1.80	2.8	15	3	13	15	w.	Clarksburg Water Board
Crawford	Lewis	1,107	9								6.30		1.53	6.4	12	5	15	11	w.	George W. Blair
Creston	Wirt	640	30	37.8	−6.6	78	21	6	8†	43	4.92	+1.06	1.60	3.0	10	7	3	21		P. M. Basnett
Dam 10 Mon. R.	Marion	826	11								4.99		1.89	1.5	14					Lockmaster
Dam 12 O. R.	Ohio	660	16								2.97	−0.43	1.00		13					Lockmaster
Dam 13 O. R.	Ohio	655	16								4.04	+0.92	1.04		18					Lockmaster
Dam 15 Mon. R.	Monongalia	882	11								4.53		1.75	6.0	13					Lockmaster
Davis	Tucker	3,093	23								7.59	+3.14	1.55		21					Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	20								4.41	+0.68	1.53	2.8	11					Lockmaster
Elkins	Randolph	1,947	31	33.6	−6.4	69	21	5	9	43	7.06	+3.26	1.91	12.9	15	2	7	22	w.	U. S. Weather Bureau
Fairmont	Marion	883	26	36.5	−5.4	78	21	6	9	46	4.10	+0.26	1.05	10.2	16	7	10	14	w.	J. C. Robinson
Glenville	Gilmer	738	38	40.3	−4.6	78	21†	6	9	45	5.39	+1.25	1.88	3.5	14	6	16	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	37.4	−4.3	74	21	8	9	40	5.65	+1.77	1.45	6.5	12	12	0	19		W. E. Clayton
Horner	Lewis	1,044	9								5.84		1.95		15					Foster R. Hardman
Horton	Randolph	2,840	7								7.25		2.02	30.8	16	4	2	25	sw.	J. W. White
Janelew (near)	Lewis	1,020	9	38.0		74	21†	5	9	40	4.55		1.25	4.0	10	12	9	10	nw.	Dau Burkholder
Lost Creek	Harrison	1,026	34	36.1	−6.7	74	21	3	9	42	5.47	+1.59	1.47	7.0	12	10	5	16	w.	Allen Smith
Mannington	Marion	985	29	35.7	−7.1	73	21	0	9	40	5.47	+1.61	1.09	13.3	15	6	7	18	w.	Jas. A. Morgan
Morgantown^{a}	Monongalia	1,250	39	36.4	−6.0	69	21†	3	9	38	2.95	−0.57	1.00	6.0	5	8^{b}	1^{b}	20^{b}	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}33.2	−6.5	69^{a}	30	5	9	37^{a}	3.42	+0.17	0.66	4.5	20	4	10	17	n.	C. H. Hesse
New Martinsville	Wetzel	634	38			74	21				4.68	+1.03	1.03	5 0	10	17	5	9	n.	Wm. Ankrom
Parkersburg	Wood	638	45	37.6	−5.2	75	21	9	9	40	3.72	+0.23	1.10	3.0	17	9	5	17	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	36.4	−3.9	75	3	5	16	47	7.02	+2.91		5.5	12	6	9	16		J. W. Swisher
Parsons No. 2	Tucker	1,649	6								7.15	+3.04	1.34	15.5	14	5	9	17		Robert T. Deem
Philippi	Barbour	1,550	35								5.88	+1.81	1.70		15					Prof. W. W. Thomson
Pickens	Randolph	2,697	29	33.3	−6.2	69	3†	0	9	48	9.79	+3.91	2.24	39.0	18	12	8	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9								5.84		1.39	3.5	12	9	4	18		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45								5.83	+1.49	1.54	14.0	18					Walter H. Bolyard
Saint Marys	Pleasants	577	23								4.41	+0.68	1.32	4.7	18					Wm. Hughes
Terra Alta	Preston	2,559	31	29.4	−9.0	65	3	0	15	36	6.04	+1.62	1.11	20.0	18	2	5	24	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3								7.16		1.90	25.5	17					H. L. Stiles
Valley Chapel	Lewis	1,011	9	36.8		75	21	2	9	44	5.93		1.45	5.5	13	12	0	19	w.	J. C. Campbell
Vandalia	Lewis	1,120	9								5.72		1.53	4.0	9					James B. Kelley
Wellsburg	Brooke	668	25	35.2	−4.8	68	30	5	9	39	4.43	+1.14	0.79	7.0	10	2	17	12	w.	George P. Pfister
West Milford	Harrison	979	7								5.78		1.50	3.0	10					Miss Dicie E. Wagner
Weston	Lewis	1,026	37	38.2	−5.9	72	21	8	9	37	5.43	+1.18	1.60		17	0	20	11		Weston State Hospital
Wheeling	Ohio	645	45	^{a}34.6	−6.5	72^{a}	25	0	9	48^{a}	2.89	−0.24	1 09	6.1	15	9	8	14	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5								4.02		1.20	5.0	16	11	3	17	nw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6								4.50		1.49	9.0	12	8	11	12	w.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}34.9	−9.5	62^{a}	26	7	9	34^{a}	5.16	+1.38	1.60	2.0	10	8	0	23	ne.	R. E. Dent
Beckley	Raleigh	2,440	29					4	15		5.43	+1.67	1.10	13.5	16	8	8	15		L. A. Mauck
Bluefield^{d}	Mercer	2,558	37	39.6	−5.2	72	21	6	10	48	3.55	+0.15	1.30		5	12	1	14		Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	17								3.88	−0.56	1.20		8					Miss Katie Jarvis
Charleston	Kanawha	600	29	40.3	−7.7	80	21	12	15	44	5.95	+1.65	1.79	1.2	11	7	4	20		Dr. J. M. Cook
Clay	Clay	706	16								7.02	+2.72	1.60	8.5	17					Chilton Wilson
Dam 19 O. R.	Wood	600	16								3.94	+0.16	1.70		13					Lockmaster
Dam 20 O. R.	Wood	600	16								3.94	+0 13	1.37	3.0	13					Lockmaster
Dam 26 O. R.	Mason	564	16								4.91		1.89	0.2	12					U. S. Engineers Office
Gary^{a}	McDowell	1,426	16	39.6	−3.7	76	21	5	15	51	4.81	+1.20	1.46	5.0	15					U S. Coal & Coke Co.
Hinton	Summers	1,431	35	39.4	−5.1	74	21	12	10†	42	5.24	+1.37	1.32	3.1	15	13	4	14		Mrs. M. L. McClung
Huntington	Cabell	538	35	42.0	−3.0	78	21	13	9	41	6.46	+2.29	2.04	3.5	12	3	9	19	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	13								6.47	+3.62	1.85	1.0	9					J. O. Brown
Kayford	Kanawha	1,335	16								5.63	+1.45	1.50	10.6	17					Cabin Creek. Con Coal Co
Kermit	Mingo	579	6								6.15		2.00	3.5	14					E. B. Kirk
Kingston	Fayette	1,481	2								5.80		1.30	7.5	11	9^{c}	0^{c}	19^{c}		Claud J Wriston
Lewisburg	Greenbrier	2,250	32	36.6	−5.7	70	3	7	10	40	2.25	−1.42	0.59	4.0	9	15^{k}	0^{k}	5^{k}		Rose Argabrite
Logan	Logan	700	29								5.51	+0.72	2.02	2.8	11					J. R. Wampler
Marlinton	Pocahontas	2,131	33	31.1	−7.2	64	3	4	8†	38	8.17	+3.91	1.80	1.5	11	3	18	10	w.	S. L. Brown
Point Pleasant	Mason	595	39	38.4	−7.2	77	21	8	9	47	4.70	+0.64	1.46	1.8	16	8	12	11	nw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	2	34.4		68	4	5	8	40	7.04		1.51	10.0	19	10	10	11		H. M. Word, Jr.
Ravenswood (Dam 22).	Jackson	584	9	39.0	−5.3	72	22	8	9	37	4.07	+0.32	1.39	1.5	9	6	0	25	nw.	Lockmaster
Richwood	Nicholas	2,193	2	38.1		71	22	7	7†	40	7.05		1.35	15.5	16	11	0	20	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	36.8	−7.6	80	21	2	9	50	5.78	+1.96	2.21	5.0	15	11	0	20		M. Frazier
Ryan	Roane	700	29	34.0	−9.0	65	25†	−1	15	40	7.30	+3.18	2.15	6.8	15	6	11	14		Wm E. Ryan
Sharples	Logan	889	12								4.27	+0.68	1.93		6					R. W. Howard
Spencer	Roane	789	28	37.5	−5.8	78	21	6	9	45	4.84	+1.03	1.20	3.0	13	6	9	16		A. M. McKown
Sutton^{a}	Braxton	850	26	38.2	−3.5	75	21†	9	9	42	6.16	+2.07	2.00	6.0	9	21	0	9		C. B. Eakle
Union^{d}	Monroe	2,250	28	38.8	−5.1	71	3	5	10	47	4.55	+1.12	1.45	6.5	6	7	11	9		W. M. H. Young
Wayne	Wayne	598	5								6.09		1.81	5.5	11					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	^{a}36.2	−7.3	70^{a}	2†	7	9	42^{a}	4.35	+1.25	1.00		10	13	5	13		A. P. Spence
Williamson	Mingo	673	32	40.0	−7.1	78	21	10	15	49	5.05	+0.68	1.67	3.2	17	8	9	14	se.	J. E. Dotson
State averages and	extremes			36.6	−6.1	80	21	−3	9	51	5.32	+1.39	2.50	8.0	13	8	8	15	w.	

The departures from normal temperature and precipitatiou are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on otherdates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for March, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac				.84	.02	.10	.63		.40		.05		.40	.14			1.03		.15		1.01				.50	.35	1.50	.08			.34	7.54
Brandywine	do				.57		.60											.23					.30				.06	*	1.75	.12		.07	3.70
Circleville	do				.23	.14	.23	.73		.02	.09			.08	.04	.09		.84	.22		.02	.17	.40	.04				.56	1.54	.18		.13	5.75
Harpers Ferry ‖	do				.29	.29	.02	1.89								T.		.11	.21			.08	.09					.09	1.28			.04	4.39
Kearneysville	do				.61	.02	.84	T										.20				.18	.13				.06	.20	1.04		.20		3.48
Martinsburg ‖	do				.45	.25	.15	.75						T.		T.		.15	.35			.08	.20					.05	1.60			.05	4.08
Moorefield	do				.75		.90							T.	T.		.15	.33										.85	1.33	.03		.08	4.42
Piedmont	do				.80		.14							T.	T.			.67				.02	.43				T.		2.08			.18	4.32
Romney‖	do				.42	.23	.10	.99										.15	.32			.21	.25							.10			2.77
Stony River Dam	do				.62	.23	.02	.96			.24			.16	.08			.60	.64				.66		T.			.43	1.44			.58	6.66
Upper Tract	do					.40	.90											.40										*	2.50			T.	4.20
Wardensville‖	do				.10	.20	.40	1.08	.08	.36				T.	T.			.06	.27			.11	T.					.24	1.47	.10		T.	4.47
Northern Division																																	
Aberdeen	Monongahela				.64	T	.97	T.	T.	T.				.05	.08	T.		1.06			.14	T.	.27				.35	.50	1.33	T.		.72	6.11
Alma (near)	Ohio				.43		.40	.01	.01					.02	.01			.77			.12	.02	.18				.13	.64	.70	.05		.72	4.21
Alpena	Monongahela					.93	.03	.08	.08		.08		T	.48	.56	.32		1.50			.05	.15	.38	.09			.23	.49	.54			.58	6.57
Benson	do				.70		.50	.02						.10	.02	.03		.80			.08		.40				.11	.90	.90	.03		.70	5.29
Bens Run	do		T.	.45			.50											1.00		.12			.35				.10	.70	.61			.90	4.73
Brownsville	do			.56		.03	.47		.03					.03	T.			1.15				.09	.45				.30	.55	.75	.02		.72	5.15
Bruceton Mills	do				.55		.40				T.	.40		.20	.16			1.17			.25	.20	.17					1.00	.90			.87	6.27
Buckhannon	do				.58	.05	.40		T	T.	T.		T.	.08	.08			1.40			T.		.80				.47	.50	1.55			.90	6.81
Cairo	Little Kanawha				.54		.03	.02	.48					.12				.80				.05	.30				.13	.90	.85	.02		.83	5.07
Cheat Bridge‖	Monongahela				.55		1.05	.45	.16	.08	T.		.05	.30	.25	.64	.15	.95	.35		T.	.12	.45	T.				1.05	2.24	.10		.30	9.24
Clarksburg‖	Little Kanawha				.51	.13	.30	.32						.03	.02	.02		.44	.33		.05		.16					.12	1.80	.03		.16	4.42
Crawford‖	do				.49		.50		T.		.02			.02				1.53			.14		.68				.23	.48	1.32	.06		.83	6.30
Creston‖	Monongahela				.61		.24	.10										.87	.33		.09		.39					.35	1.60			.34	4.92
Dam 10, Mon. R.‖	Ohio				.23	.30	.19	.50						.02	T.	T		.36	.46		.20	.12	.21					.25	1.89	.12		.14	4.99
Dam 12, O. R.‖	do				.25	.03	.06	.32						.02	.01	T.			.34	.01	.10	.23	.45						1.00			.15	2.97
Dam 13, O. R.‖	Monongahela				.25	.07	.10	.28	.40					.01	.06			.05	.45	.01	.07	.37	.38		.04			.16	1.04	.08		.22	4.04
Dam 15, Mon. R.‖	do				.28	.27	.14	.20							.03	T.		.55	.50			.15	.22					.14	1.75	.18		.12	4.53
Davis ‖	do			.01	.55	.34	.50	.91	.05	.04	.05	.02		.05	.07	.23		.68	.76	T.	.14	.12	.63	.01				.60	1.55	.18	T.	.10	7.59
Elizabeth(D'm 3 LK)	Little Kanawha				.34		.25							.02	.04			.60	.29		.01		.32					.22	1.53			.79	4.41
Elkins***	Monongahela			.02	.79		1.02	T	T.	T	T.	T.	T.	.05	.07	T.	.05	1.31	T.	T.	.20	.24	.29				.32	1.29	.73	.03		.65	7.06
Fairmont‖	do				.27	.18	.16	.32						.08	.06	.04		.79	.28	.02	.08	.10	.24					.24	1.05			.19	4.10
Glenville ‖	Little Kanawha			T.	.57	.08	.32	.12						.06	.04	T.		.42	.54		.07	T.	.46	T.				.52	1.88	.15		.16	5.39
Grafton ‖	Monongahela		T.		.68		.55	.02	.01						.10			.85		T.	.15	.08					.20	1.45	.61			.95	5.65
Horner	do						.15	.06	.04	.05	.10		.17		.08	.09		1.95				.25	.08				.17	1.50	.40			.75	5.84
Horton	do				.49	.04	1.00	.03		.14	.09			.24	.48			1.32				.13	.27				.35	.39	2.02	.10		.16	7.25
Janelew (near)	do				.20		.65							.10	.10			.80					.20				.20	.30	1.25			.75	4.55
Lost Creek	do		T.		.32	T	.59	.03	T.	T.	T.		T.	.04	.08	T.		.76		T.	T.	T.	.46				.27	.62	1.47	.03		.80	5.47
Mannington	do				.53		.57	.02	.01	T.				.04	.04	T.		.90			.11	.06	.35				.16	.90	1.09	.07		.62	5.47
Morgantown	do	T.			.53	.10			T.	T.		T.	T.	T.	T.		1.00											.32	1.00				2.95
New Cumberland‖	Ohio			.02	.47	.04	.06	.04	T.	T.	T.	T.	T.		.08	T.		.08	.14	.05	.14	.51	.66	.01	.04	.02	.05	.14	.65	T.	.02	.20	3.42
New Martinsville	do				.45		.40			T.			T.	T.	T.		.75				.15		.35				.28	.55	.69	.03		1.03	4.68
Parkersburg***	do		.01	.08	.26		.16	T.	.01	.01	.02		T.		.07			.76			.01	.16	.13				.15	.85	.25	T.	.06	.73	3.72
Parsons	Monongahela		.20		*		.08	.04	32	T.	T.	T	T.					*	*	4.00			.38					*	*	2.00		T.	7.02
Parsons No. 2	do				.82		1 15	.05			.03			.11	.07			1.28			.13		.58				.29	.37	1.34	.05		.88	7.15
Philippi	do				.43	.30	.35	.52	.05	.02				.07	.03			.48	T		.03		1.20					.50	1.70	T.		.20	5.88
Pickens	do				.76		.67	.24	.08	.08				.40	.72	.08		2.24	.03		.05	.07	.75				.66	.62	1.22	.60		.52	9.79
Roanoke	do				.60	.03	.78	.01	T.	T.		T.		.03	.01	T.		1.39					.39				.24	.50	1.11			.75	5.84
Rowlesburg‖	do				.35	.42	.32	.68	T.		.07	T.		.04	.02	.02		.52	.51	T.	.14	.07	.47		.02			.40	1.54	.14		.10	5.83
Saint Marys‖	Ohio			.01	.29	.12	.34	.18		T.	.02			.03	.05	.01		.46	.50		.10	.04	.37					.16	1.32	.03		.38	4.41
Terra Alta	Monongahela			.42	.32	.54	.26	T.	T.	.01	T.	T.	.03	.01	.01	T	.87	.37	T.	.11	.09	.35	T.				.43	1.11	.24		.11	.76	6.04
Thomas ‖	do				.62	.37	.23	.74		.02				.05	.02	.07	T.	.90	.76	T.	.13	.11	.60					.46	1.90	.03		.15	7.16
Valley Chapel	do				.68		.60		.08					.05	.05			.89				.10	.30				.32	.60	1.45	.03		.78	5.93
Vandalia	do				.59		.31											1.53			.13		.61			.28	.49	1.02				.76	5.72
Wellsburg	Ohio				.60		.24	T			T.			.32	T.			.30			.08	.53	65	T.	T.	T.	.23	T.	.79	T.		.69	4.43
West Milford	Mouongahela				.75		.24						.50			.20			.70					.38			.18	.58	1.50	.75			5.78
Weston	do				.45	.15	.33	.44		.03				.06	.02	.04		.31	.68		.11	.03	.43					.44	1.60	.12		.19	5.43
Wheeling‖	Ohio				.30	.04	.18	.25	T.	T.				.01	.03	T.		.04	.20	.01	.06	.22	.25					.04	1.09			.17	2.89
Woodlands‖	do				.30	.11	.15	.11			.04							.12	.58	.01	.08	.36	.28		.02			.25	1.20	.12		.29	4.02
Southern Division																																	
Arbovale	Great Kanawha				.59		.19		T.	T.	T.	T.	T.	T.	.16	T.	T.	.63		T.	.01	.08	.45				.11	1.49	.20	.04		.55	4.50
Bancroft ‖	do		.02		.50		.14								.06	T.		1.48	.36				.54					.40	1.60	.06			5.16
Beckley	do		.06	.12	.87		.45		.04	.04	T.	T.	T	.12	.27	T.		.60		T.		.10	.63				.05	.33	1.10	.13		.52	5.43
Bluefield	do		.05															.90					.80						1.30			.50	3.55
Camden-on-Gauley‖	do				.62	.20	T.							.10				1.00	.20				.72					.34	T.	T.		.70	3.88
Charleston ‖	do		.03		.62		.22	T						.07	.10	T.		1.20	.20				.90					.45	1.79			.37	5.95
Clay‖	do				.86	.11	.28	.21		.08				.14	.17	.21	.19	1.16	.38	T.		.03	.78	T.				.54	1.60	.03		.25	7.02
Dam 6 G. K ‖	do		T.	T.	.80	.03	.05	T.	T.						.07	T.		1.20	.21				.80					.44	1.75				5.35
Dam 19 O. R. ‖	Ohio		T.	T.	.40	.02	.05	T.	T.	T.	.01			T.	.02			.54	.30		T.	.01	.38	.01			T.	.05	1.70			.45	3.94
Dam 20 O. R. ‖	do		T.		.40	.03	.08	T.	T.	T.	.08			.08	.01			.54	.35		.06		.34				T.	.16	1.37			.44	3.94
Dam 25 O. R. ‖	do		.01	T.	.32		.15	.01		.03				.02	.03			.80	.32		.03							.11	1.47	.02		.45	3.77
Dam 26 O. R. ‖	do		.02	.04	.45		T.	.05		T.				.02				1.42	.30				.20					.22	1.89	.05		.25	4.91
Gary ‖	Big Sandy		.04		.93	.10	.55	.08						*	.37	.01		.01	.05				.83					.05	1.46	.02		.31	4.81
Hinton‖	do				.87	.08	.89	.15			T.	T.		.03	.06	.12		.19	.05				1.02	.01				.12	1.32	.06		.27	5.24
Huntington	Ohio		.10	.08	.25		.16		T.	T.				T.	.05		T.	2.04			T.	.01	.68				.10	1.78	.44			.77	6.46
Kanawha Falls‖	Great Kanawha				.56		.34							.08	.05			.96					.96					.95	1.85			.72	6.47
Kayford‖	do		.02	.05	.90	.30	.20	.12	T.	.06	.01	T.		.09	.05	.07		.70					.74	.01				.55	1.50			.26	5.63
Kermit‖	Big Sandy	.04		.60		.03			.02				.10	.10	.09		.75	.20				.95					.70	2.00			.32	.25	6.15
Kingston	Great Kanawha				.88		.28		.08					.16	.08			.90						.80		.60		1.30	.04			.68	5.80
Lewisburg	do				.21	T		.32		T					T.		.47		.02			.18					.20	.21	.05		.59		2.25
Logan‖	Guyandotte		T.	.17	.74		.70	T.						T.	.07	T.		.75	.15		.02		1.00						2.02	.09		.40	5.51
Marlinton	Great Kanawha				.66	.72	.76		T.	T.	T.		T.	T.	.05			1.30		T.	T.		.74				.62	.24	1.80	.38		.90	8.17
Point Pleasant‖	Ohio		.03	.02	.42	T.	.20	.05		.02	T.			.02	.04	T.		1.04	.26		.04		.38				T.	.18	1.46	.13		.41	4.70
Rainelle	Meadow Creek		.01		1.11	.02	.51		T.	.06	.02			.15	.21	.03	.09	.99	.02			.02	.61				.15	.26	1.51	.50		.77	7.04
Ravenswood(Dam 22	Ohio‖				.37		.12	T.		T.	T.				T	T		.73	.48		.03		.45					.08	1.39			.42	4.07
Richwood	Great Kanawha				.93	.03	.55	.18		.05	T.	T.	T.	.12	.13	T.		1.35	.03		.02		.48	T.			.52	.62	1.30	.07		.67	7.05
Robertsburg‖	do		.04	.02	.41		.16	.08						.08	.08			2.21	.14		.04	T.	.30					.35	1.53	.02		.32	5.78
Ryan	do		.03	.16	.54		.54	.01	.01	.01					.15			2.15				.05	.70				.18	.99	.96			.82	7.30
Sharples‖	Coal River		.15		.33		T.	T.						T.	T.								.93					.62	1.93	.31			4.27
Spencer ‖	Great Kanawha				.46	.05	.09	.08						T.	T.		.30	1.20	.35		.04		.30					.45	1.10	.08		.34	4.84
Sutton	Gauley				.60		.40			.16								2.00			.10		.90				.30	.50	1.20				6.16
Union	do				.87			.49		T.			.04		T.			1.15											1.45			.55	4.55
Wayne ‖	Big Sandy		.15	T.	.35		.26			.05				.07	.06			1.05	.32				.52					1.81	1.05			.40	6.09
White Sulpr. Spgs.‖	Great Kanawha			.60		.50	T.										.50	.10				.65					.15	1.00	.10		.50	.25	4.35
Williamson‖	Big Sandy		.14	.04	.74		.33	.03		.01	T.			.05	.06	.01		.45	.14		.01		.80					.23	1.67	.01		.33	5.05

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for March, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	45	58	65	56	50	45	15	15	13	15	29	28	23	25	19	44	45	37	45	52	58	46	47	60	60	47	36	48	64	55	55	41.9
	Minimum	29	27	30	39	35	15	5	5	2	5	13	7	12	12	8	5	34	25	25	28	27	25	21	25	31	35	20	30	21	22	35	21.1
Brandywine	Maximum	50	60	70	58	55	50	20	27	24	30	34	34	32	27	28	46	52	55	60	61	60	64	62	64	65	60	60	40	40	67	60	48.9
	Minimum	19	22	29	42	40	20	8	7	5	8	8	12	9	11	10	10	35	24	25	38	31	35	24	23	22	32	40	30	30	27	30	22.8
Kearneysville	Maximum	51	52	59	56	55	53	51	30	28	27	36	37	41	31	29	38	47	46	61	58	44	61	54	56	68	58	60	53	54	69	65	49.3
	Minimum	35	34	35	36	34	32	14	13	8	11	22	18	21	20	16	14	33	32	32	31	31	32	32	28	27	43	40	32	35	31	49	28.1
Martinsburg‖‖	Maximum	47	54	60	45	51	40	27	32	25	32	40	40	30	32	30	43	48	46	63	50	37	60	58	60	70	60	48	45	55	72	..	46.7
	Minimum	35	36	37	38	35	37	15	14	13	14	23	22	22	22	16	14	22	32	30	30	30	32	33	28	27	30	45	33	34	30	37	27.9
Moorfield	Maximum	58	56	67	65	55	53	28	35	28	31	43	41	38	36	33	53	49	54	62	58	58	50	60	59	71	68	56	44	48	74	72	52.0
	Minimum	35	23	33	41	38	24	13	12	12	12	20	19	19	19	15	11	36	33	26	33	34	35	27	26	26	39	42	32	30	28	44	27.0
Piedmont	Maximum	43	55	62	57	49	40	21	24	18	22	32	34	32	28	26	43	43	42	56	46	40	58	52	52	68	57	54	48	52	72	60	44.7
	Minimum	35	33	40	39	39	21	11	12	9	11	19	19	18	17	14	11	35	31	27	28	31	33	30	28	28	36	42	31	33	29	36	26.6
Romney‖‖	Maximum	49	58	62	47	52	45	23	30	22	28	38	46	27	32	30	50	50	47	60	50	48	60	57	56	69	63	58	42	54	75	..	47.6
	Minimum	35	27	32	39	36	39	11	13	11	12	16	20	19	19	15	12	22	32	24	27	32	34	31	26	26	28	44	31	31	27	34	26.0
Upper Tract	Maximum	48	..	62	..	52	48	18	27	20	25	38	38	30	25	36	47	48	50	..	..	53	47	55	54	68	..	..	43	55	70	65	44.9
	Minimum	36	..	20	..	36	16	9	10	8	9	16	14	18	17	11	10	39	30	..	..	30	31	27	25	26	..	..	33	35	29	45	23.2
Wardensville	Maximum	56	57	65	54	51	35	38	30	23	29	38	43	44	30	30	46	55	47	60	52	58	62	55	39	68	61	45	43	59	69	..	48.1
	Minimum	35	26	31	32	31	35	13	14	12	15	18	15	19	19	15	10	20	35	25	29	32	35	26	25	23	28	43	32	32	28	42	25.6
Northern Division																																	
Alpena	Maximum	43	54	62	55	56	46	13	15	12	13	27	27	22	27	19	48	48	37	48	45	62	55	45	45	60	55	45	40	46	64	57	41.6
	Minimum	26	23	30	36	34	11	2	4	1	3	10	3	9	12	6	2	34	24	28	27	33	25	24	21	25	40	35	24	31	24	33	20.6
Bens Run	Maximum	64	47	61	59	55	50	22	22	21	25	31	35	32	29	33	52	49	49	56	54	73	64	50	55	67	60	58	49	59	69	61	48.7
	Minimum	29	29	34	42	39	20	12	13	8	14	15	18	16	20	15	21	40	32	31	28	34	34	28	33	33	49	37	32	34	36	37	27.8
Buckhannon	Maximum	54	47	64	60	53	56	19	24	20	24	31	32	29	28	27	52	50	42	55	50	72	67	49	60	64	59	50	46	56	67	61	47.4
	Minimum	32	28	36	42	42	18	9	10	8	8	17	14	18	18	13	13	40	32	30	30	37	33	30	30	30	38	42	31	36	55	36	27.6
Cairo	Maximum	60	50	63	63	56	56	23	21	21	25	33	34	32	28	33	51	48	48	48	54	77	76	50	55	68	67	58	47	59	68	68	49.7
	Minimum	24	25	33	42	40	15	9	8	−3	8	5	12	17	17	10	16	38	32	32	36	26	35	26	25	27	31	34	29	33	31	38	24.2
Clarksburg ‖‖	Maximum	44	45	63	48	52	31	20	21	16	22	32	33	24	26	30	54	47	47	55	48	75	55	50	54	67	60	42	45	58	69	49	44.6
	Minimum	28	32	32	36	39	31	10	10	7	10	11	11	17	16	8	14	27	32	27	29	30	41	28	27	27	36	39	32	32	30	40	25.5
Creston	Maximum	50	55	65	60	56	51	24	24	19	26	31	34	31	29	34	53	50	48	57	52	78	75	51	55	68	64	53	49	60	69	65	49.5
	Miuimum	25	26	34	41	40	20	11	6	6	11	9	14	18	20	12	18	40	38	28	31	35	35	25	26	27	37	40	33	37	32	36	26.2
Elkins	Maximum	39	53	67	52	58	42	14	19	13	18	27	29	20	21	23	52	49	42	52	49	69	61	47	48	62	60	49	38	51	67	55	43.4
	Minimum	30	26	36	38	38	10	7	9	5	8	14	10	13	13	11	9	34	28	28	29	35	30	29	26	27	44	36	27	33	29	30	23.9
Fairmont‖‖	Maximum	47	45	69	48	55	34	20	24	21	23	35	32	26	26	33	50	47	50	59	48	78	54	55	56	70	57	42	43	60	72	54	46.2
	Minimum	34	33	35	37	38	34	10	10	6	10	15	15	17	17	12	15	21	31	32	28	32	31	28	31	32	42	39	31	31	37	47	26.8
Glenville	Maximum	57	54	69	64	59	57	42	25	24	26	37	36	33	29	35	56	54	54	59	55	78	74	54	58	71	67	55	58	72	78	69	53.5
	Miuimum	26	26	33	42	41	21	12	11	6	12	13	14	18	19	16	18	35	33	28	34	37	36	26	27	28	40	43	33	38	33	40	27.1
Grafton	Maximum	54	48	66	62	57	54	20	26	19	30	30	31	31	29	30	51	43	46	58	53	74	73	52	54	68	61	54	44	53	70	67	48.6
	Minimum	34	32	32	37	38	19	10	14	8	10	18	12	17	19	14	12	38	31	27	27	36	33	30	25	28	39	39	31	30	32	38	26.1
Lost Creek	Maximum	54	47	64	60	54	52	19	20	18	22	33	33	29	26	29	52	50	46	55	51	74	73	49	53	67	64	52	44	58	69	67	47.9
	Minimum	25	25	30	41	38	17	9	10	3	9	9	10	15	17	7	14	40	30	25	29	32	33	26	25	26	39	39	31	32	29	39	24.3
Mannington	Maximum	53	44	63	58	50	48	21	22	18	23	31	33	29	29	27	47	48	44	56	52	73	65	50	51	65	62	55	42	55	69	66	46.6
	Minimum	29	27	30	42	38	21	11	11	0	11	13	12	15	18	10	12	38	31	26	27	33	34	27	27	28	34	38	31	30	30	35	24.8
Morgantown	Maximum	52	52	63	55	52	52	22	19	19	28	20	26	30	30	49	49	47	48	52	53	69	66	49	..	69	64	52	52	52	68	64	47.4
	Minimum	33	31	34	42	17	16	8	4	3	8	16	16	11	10	17	36	36	29	38	23	37	28	36	..	34	34	36	27	27	39	32	25.3
New Cumberland‖‖	Maximum	39	44	59	43	50	30	20	19	16	24	29	33	26	25	27	44	41	45	53	40	62	44	46	49	67	61	44	45	56	69	..	41.7
	Miuimum	34	30	33	35	28	28	12	8	5	6	12	14	15	17	10	10	19	31	29	23	25	33	26	31	31	42	33	31	29	36	49	24.7
New Martinsville	Maximum	52	47	61	61	57	52	24	22	20	25	34	34	32	29	32	51	45	48	57	53	74	68	51	55	67	64	57	49	60	69	67	48.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Parkersburg	Maximum	45	48	61	46	52	44	25	21	17	27	33	32	28	26	34	55	53	48	56	44	75	67	50	54	67	61	46	48	60	67	53	46.5
	Minimum	33	32	36	39	38	15	11	14	9	14	15	20	18	19	16	24	36	33	36	28	35	34	29	35	36	46	33	32	39	46	36	28.6
Parsons	Maximum	45	57	75	60	65	65	32	22	19	21	36	37	25	27	29	51	40	55	56	71	63	45	51	54	69	60	50	40	50	72	56	48.3
	Minimum	32	29	35	40	38	16	8	8	6	9	14	19	15	10	10	5	37	26	38	30	35	30	30	25	25	35	38	30	28	28	32	24.5
Pickens	Maximum	49	45	69	54	59	44	14	30	21	17	22	43	25	23	27	51	54	43	54	49	69	50	50	51	52	56	48	46	49	65	53	44.6
	Miuimum	34	33	21	35	24	10	4	6	0	3	12	6	10	10	6	15	33	25	27	30	39	21	25	25	28	41	37	27	32	32	30	22.0
Terra Alta	Maximum	34	50	65	42	49	33	10	15	9	15	27	26	17	20	21	44	42	38	52	46	62	58	44	47	60	56	39	33	47	63	53	39.3
	Minimum	27	28	36	34	31	3	3	1	2	7	4	9	12	6	0	8	23	22	21	23	30	23	23	27	33	36	22	28	23	41	22	19.6
Wellsburg	Maximum	53	43	62	58	50	46	24	21	20	24	29	33	30	28	28	44	44	46	52	47	64	65	47	50	66	62	56	47	57	68	65	46.1
	Minimum	32	31	34	40	30	21	12	9	5	13	18	10	14	18	11	8	36	31	25	22	28	32	25	29	27	30	35	31	27	33	33	24.2
Weston	Maximum	44	50	62	60	50	49	24	21	20	22	31	32	30	28	26	50	55	52	58	57	72	70	54	57	65	64	50	52	56	64	64	48.0
	Minimum	30	28	36	42	40	20	10	11	8	11	14	16	18	18	15	20	40	32	30	31	35	40	30	29	32	42	42	32	36	44	45	28.3
Wheeling‖‖	Maximum	49	47	68	52	55	35	33	23	20	26	30	60	40	29	30	50	44	51	55	44	69	39	52	52	73	62	42	50	62	70	..	47.1
	Minimum	20	32	25	30	30	22	5	5	0	5	10	12	20	15	10	19	23	25	25	21	26	30	22	26	32	30	40	26	25	32	45	22.2
Southern Division																																	
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Miuimum	30	25	38	37	34	13	8	8	7	6	12	19	10	13	4	13	37	28	28	39	42	28	26	25	28	46	39	28	32	36	32	24.9
Bluefield	Maximum	48	56	69	60	56		58	28	24	22	31	30	..	33	32	53	57	48	56	..	72	62	53	55	63	64	..	67	57	61	58	51.2
	Minimum	35	30	45	40	37	..	10	12	9	6	13	21	..	11	8	21	40	30	37	..	41	30	26	29	33	47	..	29	34	43	39	28.0
Charleston ‖‖	Maximum	67	67	64	45	63	29	29	29	26	31	40	40	32	34	41	58	50	57	65	47	80	54	54	66	73	63	49	50	68	68	53	51.4
	Minimum	33	32	36	41	41	29	17	16	13	14	18	21	20	20	12	14	25	35	34	39	38	41	31	32	33	36	41	31	32	38	41	29.2
Gary ‖‖	Maximum	55	56	75	54	65	24	29	29	21	25	35	..	35	29	35	58	63	51	61	66	76	60	55	58	67	71	65	45	61	66	56	51.5
	Minimum	29	29	35	46	42	22	16	16	13	12	14	21	..	16	5	7	23	35	31	35	41	45	28	27	30	34	45	33	34	33	38	27.8
Hinton ‖‖	Maximum	54	57	71	50	61	24	31	30	23	29	40	37	31	28	37	53	63	57	63	57	74	59	61	61	71	69	63	46	65	67	56	51.2
	Minimum	35	31	35	39	41	21	14	14	14	12	15	20	17	16	12	16	21	34	31	33	39	41	32	29	30	33	40	34	34	33	36	27.5
Huntington	Maximum	58	58	60	52	54	49	49	26	26	30	35	36	33	31	38	59	58	58	61	56	78	67	67	59	70	67	67	54	64	68	66	53.4
	Minimum	33	34	39	42	41	20	15	16	13	16	17	21	19	25	16	23	35	33	35	35	37	37	29	30	33	54	43	34	37	43	39	30.5
Lewisburg	Maximum	51	53	70	64	58	35	23	27	42	20	33	35	29	26	30	45	47	56	56	55	67	61	54	62	65	53	50	56	65	59	60	48.6
	Minimum	34	24	34	38	27	15	8	10	11	7	15	21	13	14	11	16	17	26	28	32	35	32	24	22	34	40	32	34	30	39	38	24.5
Marlintou	Maximum	44	50	64	48	54	42	18	24	16	18	28	32	22	22	24	40	46	42	50	50	60	52	48	42	58	56	44	42	48	60	54	41.9
	Minimum	30	18	26	34	28	14	6	4	6	4	10	12	10	10	4	10	32	28	22	36	28	28	20	18	20	22	34	32	30	22	30	20.3
Point Pleasant	Maximum	60	58	61	56	54	50	27	28	24	28	34	35	34	30	36	57	52	50	58	56	77	70	53	58	70	68	57	50	65	67	62	51.1
	Minimum	28	29	34	38	36	20	11	10	8	11	9	15	14	20	12	20	38	29	28	27	30	35	24	25	30	43	36	30	34	40	35	25.8
Rainelle	Maximum	48	58	57	68	54	48	21	20	18	19	32	32	22	24	29	46	56	45	55	52	66	57	50	52	63	61	51	47	55	62	55	45.9
	Minimum	31	36	22	30	32	14	8	5	7	6	13	15	10	10	8	6	36	28	26	37	39	29	26	22	23	34	36	28	33	26	32	22.8
Ravenswood	Maximum	58	55	62	62	52	52	25	25	24	27	33	34	31	27	35	52	51	49	53	47	71	72	51	53	64	65	55	49	60	69	63	49.2
	Minimum	26	28	35	40	39	19	12	14	8	15	9	18	18	22	16	23	42	32	38	29	36	35	28	27	32	50	40	33	39	45	44	28.8
Richwood	Maximum	57	58	67	69	58	62	27	22	24	18	30	36	31	30	27	51	56	44	54	55	68	71	49	52	64	62	54	52	54	59	66	49.3
	Minimum	29	26	35	38	35	14	7	10	7	11	15	15	14	12	10	13	38	29	28	35	45	31	27	26	49	49	40	29	36	48	32	26.9
Robertsburg‖‖	Maximum	52	51	64	47	52	30	18	14	20	26	35	33	27	43	32	66	50	56	58	49	80	69	41	50	70	68	50	51	67	50	56	47.6
	Minimum.	27	27	35	38	39	22	12	7	2	10	10	16	17	17	11	16	28	33	31	31	31	37	25	27	29	37	42	32	35	37	44	26.0
Ryan	Maximum	46	55	55	45	55	44	20	20	15	22	30	30	26	24	30	50	45	45	55	48	75	60	45	55	65	60	49	45	55	65	56	44.8
	Minimum	22	23	30	37	37	16	9	0	2	8	7	17	14	15	−1	16	38	30	25	29	32	32	22	23	25	38	38	30	36	31	34	23.1
Spencer ‖‖	Maximum	47	56	65	46	58	25	24	32	20	25	34	27	27	29	24	54	49	50	58	50	78	52	52	57	69	62	46	49	61	68	56	46.8
	Minimum	27	32	34	46	40	24	12	11	6	13	12	16	22	17	14	21	24	33	30	32	33	38	26	29	30	50	43	33	34	41	50	28.2
Sutton	Maximum	57	52	67	67	59	59	29	21	21	24	34	34	31	24	32	53	53	50	56	56	75	75	52	55	69	69	52	46	69	69	..	50.3
	Minimum	26	25	32	41	39	17	10	12	9	10	18	15	17	11	14	16	43	33	27	35	35	35	28	27	27	41	43	29	40	32	..	26.2
Union	Maximum	60	54	71	70	58	..	55	27	27	22	33	35	..	35	30	52	60	48	56	..	69	67	54	56	65	66	..	57	57	66	62	52.3
	Minimum	32	23	34	44	36	..	8	9	9	5	13	21	..	11	9	12	40	30	26	..	36	33	25	23	26	37	..	31	33	31	43	25.2
White Sulphur Spgs.	Maximum	55	70	48	58	34	24	32	20	23	35	36	25	24	33	46	46	51	58	56	70	52	57	58	62	67	50	42	60	65	55	..	47.1
	Minimum	21	38	35	33	30	10	11	12	7	12	19	16	14	11	12	20	31	30	34	34	42	27	22	31	32	37	32	34	31	35	30	25.3
Williamson‖‖	Maximum	55	69	65	48	58	27	31	29	22	27	37	35	29	31	37	61	62	51	61	57	78	53	54	57	68	65	55	49	63	68	54	50.2
	Minimum	32	33	39	45	42	22	18	18	14	15	17	17	19	21	10	12	29	36	33	45	38	41	30	30	32	35	46	35	35	37	44	29.7

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

HENRY C. HOWE, Meteorologist

Vol. XL   Parkersburg, W. Va., April, 1932   No. 4

GENERAL SUMMARY

April was cool and dry. Freezing temperature and heavy to killing frosts occurred generally during the second decade and also from the 27th to the 29th, killing early peach bloom in many localities. Owing to the earliness of the season, there was little damage to vegetation. The precipitation was the lightest of April State record since 1915, except 1930. The snowfall was less than one-half the normal. From the 13th to the 22d there were practically no precipitation. There were no destructive storms. At the close of the month the ground was being rapidly prepared for corn. The month was favorable for outdoor work.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 50.9°. The departure from the normal for 45 stations having ten or more years of record was —0.6°. Moderately high temperature prevailed from the 2d to the 9th, the 20th to the 22d, and on the 29-30th, with the highest temperatures generally on the 7th, 20th, 22d and 29th. The temperature was continuously low from the 11th to the 19th and from the 20th to the 25th.

PRECIPITATION

The average precipitation for the State, determined from 94 stations, was 2.21 inches. The departure from the normal for 66 stations having ten or more years of record was —1.37 inches. Most of the precipitation was received from the 8th to the 14th, 22d to the 27th, and on the 30th. Light snow fell in many localities on the 1st, 11th, 12th, 13th and 27th, the greatest falls being noted on the 12-13th.

LIGHT HAIL

Light hail, doing no damage, was noted in the following counties on the dates given: Pleasants, 5th; Roane, 6th; Brooke and Ohio, 25th; Mingo, 11th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 25th; Hinton, Huntington, and Marlinton, 22d; Parsons, 25th: Pt. Pleasant, 22d; Stony River Dam, 9th, 10th, and 11th; Terra Alta, 9th, 10th, and 26th; Thomas, 10th.

Halos, lunar: Elkins, Parkersburg, and Parsons, 16th.

Halos, solar: Parsons and Terra Alta, 4th; Parkersburg, 16th; Elkins, Parsons, Pickens, and Terra Alta, 20th.

Sleet: Bens Run and Lost Creek, 27th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 4th, 1; 5th, 17; 6th, 4; 21st, 4; 24th, 1; 25th, 13; 26th, 4.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.00	73	53	57	240.3	60	6,208	8.6	36	sw.	2
Columbus, Ohio	29.99	64	49	55	216.0	54	8,550	11.9	41	sw.	2
Elkins	30.01	73	45	56	218.7	55	5,239	7.3	24	w.	2
Lexington, Ky	30.02	72	60	....	208.3	53	9,027	12.5	44	sw.	2
Parkersburg	30.00	71	44	52	224.6	57	5,076	7.0	27	nw.	12
Pittsburgh, Pa	29.99	67	48	49	264.8	66	7,798	10.8	34	w.	12
Wytheville, Va	29.97	70	48	55	252.0	59	5,678	7.9	25	w.	2

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	52.0	......	......	2.81	......	......	......	......	......	......	......
1892	50.6	87	17	4.28	......	......	......	7	......	......	......
1893	53.4	92	20	5.18	8.98	2.91	0.8	14	8	8	14
1894	50.6	90	14	3.32	5.30	1.97	1.6	11	12	8	10
1895	52.9	90	17	2.93	5.47	0.90	......	9	11	9	10
1896	**57.7**	95	12	2.06	4.35	0.82	......	8	13	12	5
1897	51.5	90	19	2.97	7.10	1.58	......	9	11	10	9
1898	48.0	86	2	3.14	4 86	1.40	......	11	10	9	11
1899	53.4	93	18	1.84	3.17	0.92	0.5	7	13	9	8
1900	51.8	88	16	**1.35**	2.08	0.43	T.	8	14	7	9
1901	47.5	95	18	**7.05**	**10.70**	2.50	6.0	12	10	4	16
1902	49.8	96	21	3.06	4.57	1.53	10.0	7	10	10	10
1903	51.3	91	8	4.47	7.30	2.29	0.4	11	11	8	11
1904	47.7	82	12	3.15	5.71	1.12	1.3	12	9	9	12
1905	52.2	89	14	2.78	5.57	1.10	1.5	11	11	9	10
1906	54.1	92	15	3.16	6.59	0.57	0.3	8	15	8	7
1907	**45.6**	92	10	3.49	6.66	1.42	6.1	12	8	8	14
1908	54.8	92	18	4.30	8.02	0.77	0.3	11	13	8	9
1909	53.0	93	10	5.04	8.57	1.70	2.4	13	10	11	9
1910	53.2	91	16	3.39	9.07	1.63	0.6	11	10	8	12
1911	49.5	88	6	4.29	7.00	0.83	1.5	14	9	8	13
1912	55.4	88	20	4.03	8.00	1.09	0.2	10	11	10	9
1913	52.4	92	12	2.99	5.48	1.61	0.1	10	14	6	10
1914	52.1	93	16	4.63	10.05	1.29	0.1	11	10	9	11
1915	55.5	**101**	10	1.93	5.69	**0.10**	T.	7	15	8	7
1916	50.5	90	17	3.07	5.70	1.25	4.3	12	9	7	14
1917	51.7	90	10	2.99	5.31	1.29	1.8	9	13	8	9
1918	50.3	85	18	5.11	9.14	1.88	10.4	15	9	7	14
1919	51.8	90	10	2.44	4.21	1.03	0.2	9	12	8	10
1920	49.7	91	15	4.91	7.26	1.64	1.2	14	8	7	15
1921	55.7	95	10	2.50	5.09	0.40	0.4	9	13	7	10
1922	54.4	91	15	3.15	6.76	0.50	0.1	9	13	7	10
1923	50.1	88	**— 4**	3.45	4.88	1.00	0.1	8	16	5	9
1924	50.5	88	12	3.24	6.37	0.72	3.6	12	12	6	12
1925	54.9	**101**	6	2.89	4.48	1.42	0.6	10	14	6	10
1926	47.1	87	8	2.44	5.54	0.80	2.5	10	10	8	12
1927	52.0	91	16	5.93	10.21	2.52	0.2	15	9	7	14
1928	48.6	88	11	5.08	8.00	2 57	11.4	12	11	7	12
1929	55.4	94	18	4.54	8.78	2.09	0.8	13	12	7	11
1930	53.2	98	13	1.95	4.16	0.39	1.0	9	14	7	9
1931	50.7	88	18	4.12	6.24	2.13	3.3	10	14	5	11
1932	50.9	88	18	2.21	4.42	0.57	0.8	10	15	5	10
1891-1932	51.8	101	— 4	3.52	10.70	0.10	1.9	10	11	8	11

Climatological Data for April, 1932

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	46.2	−0.7	75	29	18	4	50	1.12	−3.12	0.26	3.0	7	17	7	6	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	50.4	+0.6	80	23	20	15†	50	1.55	−1.60	0.70	T.	5	21	1	8	n.	Elmer Keister
Circleville	Pendleton	......	0	......	......	......	......	......	......	..	2.08	......	0.67	0	11	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	......	......	......	......	......	......	......	2.21	−0.93	1.22	T.	8	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	2	50.6	......	79	23	26	4	46	2.13	......	1.46	0	4	17	8	5	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}51.0	−0.6	83^{a}	23†	28	4†	47^{a}	2.14	−1.05	1.10	T.	6	23	4	3	nw.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	52.2	−0.7	83	23†	24	15	54	1.14	−1.86	0.55	0	4	25	2	3	......	M. S. Henkel
Piedmont	Mineral	1,053	19	49.0	−1.6	79	22†	25	4	45	0.57	−3.03	0.33	T.	5	15	6	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}50.0	−1.8	82^{a}	29	24	4	49^{a}	1.46	−1.50	0.42	0	8	15	6	9	......	George E. Bergdoll
Stony River Dam	Grant	3,300	12	......	......	......	......	......	......	......	2.32	−1.66	0.65	7.5	10	6	12	12	w.	A. C. Becker
Upper Tract^{c}	Pendleton	1,230	33	49.2	−1.8	78	2	22	15†	43	1.48	−0.93	0.80	0	2	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	15	^{a}50.2	......	80^{a}	2	23	4†	49^{a}	1.22	......	0.35	T.	7	15^{b}	7^{b}	6^{b}	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8	......	......	......	......	......	......	......	2.27	......	0.60	0.2	11	12	10	8	w.	L. Else Bond
Alma (near)	Tyler	800	5	......	......	......	......	......	......	......	1.48	......	0.30	T.	12	15	5	10	......	D. N. Furbee
Alpena	Randolph	2,571	2	46.0	......	74	29	19	18†	47	2.36	......	0.55	7.0	10	12	10	8	w.	Christian Hertig
Benson	Harrison	1,080	8	50.4	......	78	7†	20	15†	48	1.83	......	0.48	0.5	9	16	5	9	......	John A. Clark
Bens Run	Pleasants	652	30	52.6	−0.2	81	20†	29	3†	49	1.13	−2.63	0.45	T.	8	14	3	13	......	J. D. Riggs
Brownsville	Lewis	1,032	9	^{a}52.6	......	80^{a}	3†	22^{a}	14	51^{a}	2.07	......	0.44	T.	9	15	8	7	......	George M. Meyers
Bruceton Mills	Preston	1,549	15	......	......	......	......	......	......	......	1.74	−2.10	0.80	1.0	6	......	......	......	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	50.6	−0.6	75	29	26	15†	42	1.88	−2.38	0.54	T.	5	18	4	8	......	H. A. Darnall
Cairo	Ritchie	680	31	52.4	−1.7	80	7†	22	15†	55	1.74	−1.79	0.42	0	8	13	7	10	......	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	6	......	......	......	......	......	......	......	3.86	......	1.40	......	9	19	0	11	......	Miss Blanche Cromer
Clarksburg	Harrison	1,015	10	50.2	−1.2	82	29	23	17	50	2.28	−1.19	0.56	0.5	10	12	8	10	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9	......	......	......	......	......	......	......	2.06	......	0.44	T.	11	14	8	8	w.	George W. Blair
Creston	Wirt	640	30	52.0	−1.3	80	2	24	15	47	1.79	−2.06	0.55	0	8	11	2	17	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	11	......	......	......	......	......	......	......	1.57	......	0.50	0.5	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	16	......	......	......	......	......	......	......	1.62	−1.54	0.49	......	8	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	16	......	......	......	......	......	......	......	1.83	−1.32	0.56	......	12	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	11	......	......	......	......	......	......	......	1.04	......	0.42	T.	11	......	......	......	......	Lockmaster
Davis	Tucker	3,093	23	......	......	......	......	......	......	......	4.22	−0.17	0.70	11.0	13	......	......	......	......	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	20	......	......	......	......	......	......	......	1.89	−1.45	0.46	......	8	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	31	47.8	−1.0	76	29	22	17	45	2.58	−1.04	1.14	1.4	10	8	10	12	nw.	U. S. Weather Bureau
Fairmont	Marion	883	26	52.1	+0.3	85	22	26	4†	49	1.38	−1.96	0.49	2.2	10	16	3	11	w.	J. C. Robinson
Glenville	Gilmer	738	38	54.4	+0.5	88	21	24	15	48	2.28	−1.51	0.60	T.	10	17	5	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	51.2	−0.4	80	29	23	15†	47	2.00	−1.73	0.71	T.	8	17	2	11	......	W. E. Clayton
Horner	Lewis	1,044	9	......	......	......	......	......	......	......	2.03	......	0.50	0	11	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	7	......	......	......	......	......	......	......	1.83	......	0.47	7.3	9	13	5	12	w.	J. W. White
Janelew (near)	Lewis	1,020	9	52.0	......	80	23†	22	17	48	2.20	......	0.60	T.	7	18	4	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	50.6	0	82	29	21	15†	52	1.24	−2.21	0.47	T	10	15	4	11	w.	Allen Smith
Mannington	Marion	985	29	49.5	−1.7	77	20†	23	15†	47	1.37	−2.47	0.24	1.5	11	15	4	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	49.8	−2.1	77	20	22	4	47	0.92	−2.34	0.30	T.	5	18	5	7	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}47.2	−2.1	79^{a}	20†	23	4	46^{a}	2.10	−1.21	0.68	2.5	13	12	4	14	n.	C. H. Hesse
New Martinsville	Wetzel	634	38	51.3	−1.4	80	20†	25	4†	46	1.42	−2.09	0.64	T.	6	17	3	10	n.	Wm. Ankrom
Parkersburg	Wood	638	45	52.0	−1.4	80	2	28	15	39	1.69	−1.50	0.51	T.	8	12	7	11	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	50.6	+1.4	83	20	23	15†	53	2.22	−1.62	......	......	......	17	4	9	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	......	......	......	......	......	......	......	2.85	−0.99	0.64	4.5	12	14	6	10	......	Robert T. Deem
Philippi	Barbour	1,550	35	......	......	......	......	......	......	......	3.08	−0.90	0.70	......	10	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	29	48.1	−0.1	78	8	20	17†	47	4.14	−1.07	1.38	8.0	13	15	5	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	......	......	......	......	......	......	......	1.69	......	0.52	0.2	10	17	2	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	......	......	......	......	......	......	......	3.09	−1.03	0.97	2.0	8	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	23	......	......	......	......	......	......	......	1.98	−2.72	0.54	......	12	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	31	44.8	−2.1	75	29	19	3	40	2.26	−1.93	0.60	2.6	11	4	8	18	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	......	......	......	......	......	......	......	2.97	......	0.86	3.5	12	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	9	52.0	......	79	23	23	8	54	1.87	......	0.43	T.	12	12	3	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	......	......	......	......	......	......	......	2.44	......	0.53	0	10	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	25	48.7	−0.9	81	22	20	4	51	2.22	−1.00	0.55	T.	11	15	4	11	w.	George P. Pfister
West Milford	Harrison	979	7	......	......	......	......	......	......	......	1.66	......	0.50	0	7	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	52.8	0	80	7	28	4	37	2.99	−1.01	0.81	......	10	3	18	9	......	A. Henry
Wheeling	Ohio	645	45	^{a}48.1	−3.7	85^{a}	22	20	4†	50^{a}	1.48	−1.67	0.31	0.3	10	14	4	12	sw.	Miss M B. Forsyth
Woodlands	Marshall	637	5	......	......	......	......	......	......	......	2.25	......	0.74	......	11	15	3	12	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	......	......	......	......	......	......	......	1.88	......	0.67	1.2	12	17	3	10	w.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}51.9	+1.6	79^{a}	29	29	15	41^{a}	2.70	−0.91	0.76	0	7	11	3	16	ne.	Charles N. Long
Beckley	Raleigh	2,440	29	52.6	+2.5	75	29	22	19	47	3.21	−0.21	0.61	0.5	14	17	5	8	......	L. A. Mauck
Bluefield^{d}	Mercer	2,558	37	52.6	−1.0	75	22†	28	13	39	2.33	−0.98	0.62	T.	11	16	6	4	......	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	17	......	......	......	......	......	......	......	2.30	−1.35	0.47	T.	7	......	......	......	......	Miss Katie Jarvis
Charleston	Kanawha	600	29	56.6	+0.3	88	7	31	15	48	3.12	−0.61	0.80	0	11	13	0	17	......	Dr. J. M. Cook
Clay	Clay	706	16	......	......	......	......	......	......	......	2.93	−0.64	0.40	T.	12	......	......	......	......	Chilton Wilson
Dam 19 O. R.	Wood	600	16	......	......	......	......	......	......	......	1.48	−2.04	0.36	......	10	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	16	......	......	......	......	......	......	......	2.18	−1.20	0.36	......	12	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	16	......	......	......	......	......	......	......	1.86	−1.42	0.75	0	12	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	16	53.7	+0.1	79	4	28	15†	45	3.51	+0.05	1.08	T.	15	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	54.0	+0.8	82	29	30	15	49	2.29	−0.93	0.60	T.	11	16	8	6	......	Mrs. M. L. McClung
Huntington	Cabell	538	35	56.3	−0.1	81	2†	31	15	42	1.65	−1.88	0.51	T.	9	12	7	11	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	13	......	......	......	......	......	......	......	2.58	−1.06	0.65	0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	16	......	......	......	......	......	......	......	4.42	+0.41	1.25	T.	13	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	6	......	......	......	......	......	......	......	1.78	......	1.23	......	6	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	2	......	......	......	......	......	......	......	2.97	......	0.71	T.	10	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	49.6	......	75	22	34	18	45	2.18	−1.21	1.54	T.	7	18	2	10	......	Rose Argabrite
Logan	Logan	700	29	......	......	......	......	......	......	......	2.64	−1.72	1.12	T.	10	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	33	45.6	−1.3	72	7†	18	15†	50	3.52	+0.02	1.20	T.	11	10	12	8	sw.	S. L. Brown
Point Pleasant	Mason	595	39	54.1	−0.8	82	22	27	14†	48	2.17	−1.13	1.02	0	11	17	5	8	ne.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	2	47.3	......	75	7	19	9	50	3.19	......	0.58	0	15	18	1	11	......	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	9	53.4	−0.5	79	7†	26	14†	44	1.92	−1.08	0.41	T.	11	15	0	15	ne.	Lockmaster
Richwood	Nicholas	2,193	2	50.2	......	76	21†	20	27	42	3.05	......	0.51	T.	14	14	0	16	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	52.0	−1.1	88	5	25	15	50	2.14	−1.37	0.75	0	11	15	0	15	......	M. Frazier
Ryan	Roane	700	29	50.2	−2.0	80	7	22	15	47	3.26	−0.56	1.82	0.2	11	14	5	11	......	Wm E. Ryan
Sharples	Logan	889	12	......	......	......	......	......	......	......	3.48	−0.30	1.43	0	7	......	......	......	......	R. W. Howard
Spencer	Roane	789	28	53.4	+0.7	82	7	26	15	48	2.49	−0.97	0.81	0	9	13	8	9	......	A. M. McKown
Sutton	Braxton	850	26	52.9	+0.1	51	29†	21	17	48	2.90	−2.32	1.25	T.	10	20	0	10	......	C. B. Eakle
Union^{d}	Monroe	2,250	28	51.6	−0.2	79	23	24	18	48	0.94	−2.04	0.45	T	6	11	10	5	......	W. M. H. Young
Wayne	Wayne	598	5	......	......	......	......	......	......	......	2.09	......	0.87	0	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	^{a}50.4	−1.2	78^{a}	26	22	18	46^{a}	3.99	+1.00	2.00	0	9	21	1	8	......	A. P. Spence
Williamson	Mingo	673	32	55.1	−0.4	81	22†	32	15†	44	2.25	−1.62	0.64	T.	12	14	4	12	sw.	J. E. Dotson
State averages and	extremes	......	....	50.9	−0.6	88	5†	18	4	55	2.21	−1.37	2.00	0.8	10	15	5	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record. but all complete reports are used in determining section means. † Also on otherdates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for April, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac		.03						T.	.18		.24	.10	.07												.26	.24						1.12
Brandywine	...do									.35		.22	T												.20	.70	.08	T.					1.55
Circleville	...do	.32				.04	.02			.25	.17	.06	.08	.13												.67	.21	.13					2.08
Harpers Ferry ||||	...do	.14				T	.02			.57	1.22	.22	.01													.01	.02	T.					2.21
Kearneysville	...do	.01								1.46	.52	.14														T.							2.13
Martinsburg ||||	...do	.20		T.			.03			.58	1.10	.20	.03	T.												T.		T.					2.14
Moorefield	...do									.55		.05														.40	.14						1.14
Piedmont	...do					.02				.33	T.	.01		T.												.14	.07						0.57
Romney||||	...do	.20					.06			.25	.42	.10														.15	.08	.20					1.46
Stony River Dam	...do	.08	.04				.10			.10	.14	.20		.32												.61	.08	.65					2.32
Upper Tract	...do								T.			.80		T.													.68				T.		1.48
Wardensville||||	...do						.02			.30	.35	.26	T.	T.	T.											.19	.08	.02					1.22
Northern Division																																	
Aberdeen	Monongahela	.04				T.	.10		.04	.43	.02	.20	.18	.02											T.	.49	.60	.15			T.		2.27
Alma (near)	Ohio	.07	.01			.10			.08	.30	.05	.28	.13													.18	.04	.03			.21		1.48
Alpena	Monongahela	.04				.16		T.	.13		.16	.22	.40												.17	.55	.40	.13			T.		2.36
Benson	...do	.12					.02			.34		.48	.22	.02												.42	.15				.06		1.83
Bens Run	...do					.13			.14			.45	.10											T.	.07	.05		.03			.16		1.13
Brownsville	...do	.05				T.				.27		.37	.22												.10	.40	.44	.12			.10		2.07
Bruceton Mills	...do	.08				.06					T.		.72	.08													*	.80					1.74
Buckhannon	...do					T.			T.	.53		.23	T.												.28	.30	.54	T.					1.88
Cairo	Little Kanawha					.20				.31		.32	.23												.16	.26	.02				.24		1.74
Cheat Bridge||||	Monongahela	.65					.08			.05	.17	.15	.80													1.40	.46	.10					3.86
Clarksburg||||	Little Kanawha	.56					.52			.48	04	.24	.18	.02												.08	.10	.06					2.28
Crawford||||	...do	.04					.04			.22	.07	.25	.25	T.											.22	.32	.44	.15			.06		2.06
Creston||||	Monongahela	.40					.05			.10		.55	.19													.35	.05	.10					1.79
Dam 10, Mon. R.||||	Ohio	.50	.06							.22	.03	.14	.15	.08												.11	.08	.20					1.57
Dam 12, O. R.||||	...do	.49	.03							.33		.06	.16	.05												.19	.31				T.		1.62
Dam 13, O. R.||||	Monongahela	.56	.02				.03		.02	.31	.04	.15	.16	.05												.15	.31	.03			T.		1.83
Dam 15, Mon. R.||||	...do	.42	.02				.06			.11	.04	.12	.06	.08												.04	.03	.06					1.04
Davis ||||	...do	.40	.05				.26	.05	.04	.06	.48	.50	.53													.61	.70	.44	.10				4.22
Elizabeth(D'm 3 LK)	Little Kanawha								.09	.22	.11	.44	.21													.46		.05			.31		1.89
Elkins***	Monongahela		T.			.03			.03	.12		.47	.11	T.								T.			.44	.37	.65	.06			.30		2.58
Fairmont||||	...do	.49	.02							.19	.03	.17	.14	.16	T.											.07	.05	.06	T.				1.38
Glenville ||||	Little Kanawha	.60					.12			.16	.03	.07	.18	.05												.32	.53	.22					2.28
Grafton ||||	Monongahela	.05				T.			T.	.33		.26	.20	.20											T.	.15	.10	T.			.71		2.00
Horner	...do	.12								.50	.15	.40	.07	.11											.04	.25	.20	.10			.09		2.03
Horton	...do	.14								.11		.13	.28	.04											.16	.47	.32	.18			T.		1.83
Janelew (near)	...do						.20			.25		.35	.10													.60	.60				.10		2.20
Lost Creek	...do	.03				T.			.02	.45	T.	.35	.06	T.											.09	.11	.04	.03			.06		1.24
Mannington	...do	.03				23			.06	.14	T.	.24	.24	.02											T.	.11	.05	.02			.23		1.37
Morgantown	...do	T.				T.	.21	T.			T.	.26	.10	T.													.05				.30		0.92
New Cumberland||||	Ohio	.40	.03				T.		.03	.68	.03	.16	.31	.04	.03	T.										.20	.08	.06			.05		2.10
New Martinsville	...do								.08	.64		.22	.22	T.												.05					.21		1.42
Parkersburg***	...do		T.			T.			.38	.15	.47	.16	.01	T.								T.			.02	.30	T.				.20		1.69
Parsons	Monongahela					*						.78													*	1.44		T					2.22
Parsons No. 2	...do	.10				.41	.03			.09		.15	.47	.10											.15	.48	.64	.20			.03		2.85
Philippi	...do	.70					.17			.41	.05	.16	.31	.18	T.											.30	.40	.40	T.				3.08
Pickens	...do	.08				.28	.10			.20		.49	.39	.16								.29			.54	.84	.37	.30			.10		4.14
Roanoke	...do	.03						T.	.03	.05		.31	.19	.02											.17	.52	.30				.07		1.69
Rowlesburg||||	...do	.97	.02							.17		.14	.80	.17												.36		.46					3.09
Saint Marys||||	Ohio	.54					.08		.03	.27	.21	.44	.14	.04												.03	.14	.05			.01		1.98
Terra Alta	Monongahela	.01				T.			.32	.02	.15	.27	.15	.03								T.			.15	.06	.50				.60		2.26
Thomas ||||	...do	.65	.04				.12			.17	T	.07	.35	.16	.02								.02			.43	.08	.86	T				2.97
Valley Chapel	...do	.05					.11		.03	.32	.01	.34	.15	.03											T.	.43	.11	.13			.16		1.87
Vandalia	...do	.05								.35	.16	.25	.20												.20	.53	.47	.16			.07		2.44
Wellsburg	Ohio	.02	.03						.33	.10	.06	.27	.11	.04												.54	.55				.17		2.22
West Milford	Monongahela	.20					.09			.50		.32		.10												.35					.10		1.66
Weston	...do	.72					.06			.27	.11	.21	.28	.05												.22	.26	.81					2.99
Wheeling||||	Ohio	.50	.03				.01		.02	.31	.03	06	.16	.05	T.											T.	.31	T.			T.		1.48
Woodlands||||	...do	.74	.03						.03	.26	.32	.15	.08	.08	T.											.28	.26	.02					2.25
Southern Division																																	
Arbovale	Great Kanawha	.04	.06			.15				.42		.03	.04	T.								.02			.67	.30	.02	.03			.10		1.88
Bancroft ||||	...do	.32									.41	.23	.21										.76			.75	.02						2.70
Beckley	...do					.06	.29		.07	.17	.11	.61	.15									.35	.13		.26	.46	.12	.13			.30		3.21
Bluefield	...do								.19	.28		.27	.18	.03								.08	.62			.38	.15	.07			.08		2.33
Camden-on-Gauley||||	...do	.33					.20				.34		.44										.43			.34		.22					2.30
Charleston ||||	...do	.31					T			.37	.20	.56	.20										.49		.80	.05	.06	.06			.02		3.12
Clay||||	...do	.36					.37			.03	.10	.31	.35	.01									.21		.18	.40	.38	.23			T.		2.93
Dam 6 G. K ||||	...do	.30					.13			.14	.09	.30											.32			.74	.03	.04					2.09
Dam 19 O. R. ||||	Ohio	.35	T.				T.		.07	.36	.14	.22	.07	T.								T.	T.			.12	.08	.02			.05		1.48
Dam 20 O. R. ||||	...do	.36	T.						.10	.29	.15	.27	.36	.01								T.	.06			.28	.14	.08		.08			2.18
Dam 25 O. R. ||||	...do	.29							.03	.05	.42	.11	.12									T.				.72	.12	.01					1.87
Dam 26 O. R. ||||	...do	.34					.09		.05	.03	.18	.02	.13										.07			.75	.07	.07			.06		1.86
Gary ||||	Big Sandy	.30					.14			.10	.10	1.08	.11	.04	.04								.85	.01	.01	.34	.33	.05	.01				3.51
Hinton||||	...do	.13					.36				.14	.33	.05	.05									.36		.01	.60	.10	.16			T.		2.29
Huntington	Ohio					T.		T.	.05	.07	.20	.14	T.									T.			.51	.32	.05	.03			.28		1.65
Kanawha Falls||||	Great Kanawha	.39					.04			.08		.44	.24										.38			.65	.15	.21					2.58
Kayford||||	...do		.42				.35			.08	.10	.42	.27	.04									T	.78		.02	1.25	.41	.27	.01			4.42
Kermit||||	Big Sandy									.05	.08		.18													1.23	.12				.12		1.78
Kingston	Great Kanawha						.25		.05			.55	T.									.05	.48		.38	.71	.14		.21		.15		2.97
Lewisburg	do									1.54		T.	T.									*	.21		*	*	*	.43					2.18
Logan||||	Guyandotte	.34								.39		.30	.23	.03	.02							T.	.05			1.12	.06	.10					2.64
Marlinton	Great Kanawha					.10	.50		.04	1.20	.06	.20		T.								.18			.22	.70	T.	.02			.30		3.52
Point Pleasant||||	Ohio	.30					.05		.03	.03	.32	.08	.20													1.02	.05	.04			.05		2.17
Rainelle	Meadow Creek	.02					.16		.02	.12	.02	.52	.29	.02								.10	.06		.40	.58	.39	.21			.28		3.19
Ravenswood(Dam 22	Ohio||||	.41							.05	.15	.13	.25	.25									T.	.16			.23	.23	.03			.03		1.92
Richwood	Great Kanawha	.06				.45				.25	.08	.26	.30	.03							.16				.34	.51	.20	.25	.02		.14		3.05
Robertsburg||||	...do	.25	T.				.14			.04	.14	.02	.18										.48			.75	.04	.03			.07		2.14
Ryan	...do	.02				.07			.02	.02	.06	1.82										.01			.42	.36	.33				.13		3.26
Sharples||||	Coal River									.21	.18	1.43											.10		.10	1.14	.32						3.48
Spencer ||||	Great Kanawha	.37					.16			.05	.16	.81	.19	T.								T.	T.			.42	.27	.06					2.49
Sutton	Gauley						.45			.15	.10	.20	.20												.15	1.25	.15	.10			.15		2.90
Union	...do						.10			.45		.16	.05														.06				.12		0.94
Wayne ||||	Big Sandy	.38					.19			.03	.18	.10													T.	.87	.20	.12			.02		2.09
White Sulpr. Spgs.||||	Great Kanawha					.10			.65	.35	.15	.05													.50	.14	.05				2.00		3.99
Williamson||||	Big Sandy	.34					.08			.52	.01	.07	.19	.03	.11										.01	.64	.12	.13			T.		2.25

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for April, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	43	71	71	58	70	57	71	65	55	43	48	45	38	44	48	52	48	53	65	72	72	74	70	65	68	65	63	60	75	71	....	60.0
	Minimum	24	35	55	18	32	43	32	42	40	38	37	27	22	27	25	35	24	26	20	25	31	33	29	29	46	45	27	35	25	47	....	32.5
Brandywine	Maximum	50	76	78	75	74	72	76	70	71	55	60	55	44	53	54	62	60	64	70	75	76	77	80	75	70	75	60	75	78	67	....	67.6
	Minimum	29	46	54	25	30	25	36	40	41	39	38	34	28	26	20	24	22	20	22	27	32	37	38	34	42	50	34	30	38	37	....	33.3
Kearneysville	Maximum	49	76	76	53	66	65	60	57	51	45	45	49	43	55	57	61	56	62	66	71	75	78	79	73	58	75	65	68	78	73	....	62.8
	Minimum	32	38	51	26	39	41	32	46	44	41	39	40	33	31	28	34	29	34	34	35	44	45	43	39	48	45	34	41	36	52	....	38.5
Martinsburg‖‖	Maximum	55	80	78	55	66	63	65	58	45	45	47	47	43	60	60	63	60	65	70	75	75	80	83	63	60	78	56	72	83	..	....	63.8
	Minimum	33	35	40	28	32	40	34	46	45	41	40	39	40	32	28	30	30	33	37	37	45	46	46	43	48	48	36	36	36	38	....	38.1
Moorfield	Maximum	55	82	82	71	78	76	70	70	60	49	54	51	41	57	60	65	61	66	71	80	81	80	83	75	65	70	65	73	83	76	....	68.3
	Minimum	32	35	54	25	36	38	34	46	46	42	39	37	26	35	24	27	28	26	26	40	41	39	35	36	45	39	36	36	29	54	....	36.2
Piedmont	Maximum	48	78	69	55	73	59	64	64	53	42	43	40	39	50	53	57	57	59	71	73	76	79	76	63	62	70	49	67	79	70	....	61.3
	Minimum	31	35	47	25	36	39	33	45	42	40	40	35	28	30	26	29	31	33	30	33	42	43	40	36	48	48	34	40	34	50	....	36.8
Romney‖‖	Maximum	61	80	73	68	73	62	69	62	47	46	48	45	41	55	57	60	56	63	71	77	79	80	80	65	63	71	50	70	82	..	....	63.9
	Minimum	33	33	59	24	30	40	31	38	44	41	39	38	31	31	25	28	28	30	29	31	41	40	38	36	48	48	35	38	33	47	....	36.2
Upper Tract	Maximum	47	78	75	66	71	69	70	65	..	..	50	50	45	50	50	51	58	60	67	70	70	72	72	73	68	62	58	..	76	74	....	63.6
	Minimum	30	36	61	52	35	41	35	46	..	..	38	33	31	30	22	23	22	22	24	30	31	34	35	36	37	37	35	..	30	52	....	34.7
Wardensville	Maximum	65	80	75	55	78	62	65	58	55	79	51	49	45	54	56	59	52	62	69	74	78	78	79	67	68	71	55	68	78	..	....	65.0
	Minimum	36	31	58	23	32	40	29	41	43	40	39	38	32	30	23	27	28	27	26	31	40	36	35	36	46	48	35	35	31	50	....	35.5
Northern Division																																	
Alpena	Maximum	59	70	66	61	66	63	70	65	57	53	48	42	30	44	45	53	47	52	65	70	70	72	70	64	67	60	49	58	74	65	....	59.2
	Minimum	23	30	50	21	38	39	33	48	40	37	39	26	21	29	24	35	22	19	19	28	33	34	31	32	48	48	26	31	27	53	....	32.8
Bens Run	Maximum	49	79	74	60	76	67	79	73	62	58	56	50	38	63	59	63	57	62	66	81	72	80	67	71	71	49	59	71	81	76	....	65.6
	Minimum	30	42	49	29	42	42	40	58	51	45	46	33	30	32	30	38	29	29	33	37	45	42	43	45	46	45	35	35	32	55	...	39.6
Buckhannon	Maximum	60	74	60	67	73	60	75	71	66	58	57	47	39	49	53	61	54	53	66	74	70	74	73	58	68	67	54	60	75	70	....	62.9
	Minimum	33	38	40	27	40	42	40	56	50	48	47	37	28	31	26	33	26	27	29	34	44	42	42	39	48	53	33	32	33	55	....	38.4
Cairo	Maximum	47	79	79	65	75	67	80	78	65	60	60	48	38	53	57	64	64	65	78	77	79	80	80	71	70	72	54	66	77	77	....	67.5
	Minimum	30	37	64	28	39	35	36	54	52	47	48	34	30	25	22	30	28	24	25	22	44	40	36	47	43	51	35	27	31	53	....	37.2
Clarksburg ‖‖	Maximum	57	78	64	72	73	63	79	74	58	58	54	38	38	51	55	60	55	58	65	80	73	79	78	57	71	66	53	68	82	70	....	64.2
	Minimum	30	33	56	28	33	36	38	46	49	45	40	35	29	28	23	30	23	24	28	32	40	41	37	41	42	50	34	30	32	49	....	36.1
Creston	Maximum	49	80	74	68	75	68	79	75	66	63	56	47	46	54	57	62	60	59	69	78	75	79	78	72	71	68	55	67	79	76	....	66.8
	Minimum	32	38	44	30	43	36	36	54	35	44	46	34	31	25	24	30	34	25	25	31	47	42	37	49	48	47	34	27	32	52	....	37.1
Elkins	Maximum	43	74	67	69	69	57	74	67	54	58	50	40	36	47	49	56	48	52	65	74	72	73	72	62	69	63	45	61	76	65	....	60.2
	Minimum	28	37	32	25	47	43	40	54	44	43	40	27	26	30	24	32	22	23	24	32	39	40	36	39	49	33	30	33	31	55	...	35.3
Fairmont‖‖	Maximum	54	80	67	70	78	67	81	73	62	59	54	35	38	54	58	59	60	60	71	84	82	85	83	59	74	68	55	75	84	69	....	66.6
	Minimum	30	32	54	26	37	37	38	48	50	44	46	34	28	27	26	33	27	28	30	35	45	47	40	40	44	49	34	33	35	50	....	37.6
Glenville	Maximum	54	81	84	71	77	71	84	85	69	63	62	50	41	55	59	66	60	62	72	81	88	83	84	74	73	73	55	70	82	81	....	70.3
	Minimum	33	37	56	29	43	39	38	54	53	47	48	35	31	26	24	30	25	25	27	33	43	40	38	48	46	53	35	29	34	54	....	38.4
Grafton	Maximum	50	78	75	71	74	69	73	71	63	60	52	50	36	55	56	62	57	61	69	79	77	78	78	72	69	69	53	67	80	73	....	65.9
	Minimum	30	39	47	26	41	36	37	54	48	44	45	32	28	26	23	29	23	23	26	34	42	42	37	36	47	51	33	28	33	55	....	36.5
Lost Creek	Maximum	47	78	74	64	74	63	80	74	59	58	54	45	37	53	56	63	57	60	67	80	77	80	80	70	70	69	52	69	82	70	....	65.4
	Minimum	30	38	55	27	40	35	40	52	49	44	45	30	28	25	21	29	21	22	25	30	40	40	35	39	40	50	31	30	30	51	....	35.7
Mannington	Maximum	47	76	75	61	73	61	74	69	60	56	54	49	36	50	54	59	53	56	64	77	76	76	75	70	69	69	52	65	77	74	....	63.6
	Minimum	30	39	46	26	37	34	37	52	49	44	45	32	29	25	23	29	23	26	25	30	41	39	35	34	43	46	34	28	31	49	....	35.4
Morgantown	Maximum	40	74	72	60	71	68	68	69	72	56	52	52	52	52	51	56	50	54	76	77	71	70	68	62	67	65	55	72	66	69	....	62.9
	Minimum	27	39	44	22	49	40	33	33	33	32	42	31	26	26	26	33	26	30	29	50	62	55	45	35	36	36	31	35	45	54	....	36.8
New Cumberland‖‖	Maximum	56	77	43	56	73	57	70	58	51	56	51	37	37	47	53	53	52	57	66	79	78	79	73	63	68	55	53	68	76	..	....	60.1
	Minimum	29	31	38	23	31	35	33	39	48	46	44	34	27	29	25	28	26	24	27	35	40	40	38	36	36	49	33	32	33	40	....	34.3
New Martinsville	Maximum	50	78	76	64	75	71	74	74	60	58	58	50	39	52	57	60	55	58	68	80	75	79	79	70	70	68	55	69	80	75	....	65.9
	Minimum	28	37	36	25	40	38	40	46	46	43	44	32	35	27	25	33	27	27	29	39	42	43	40	39	44	43	35	30	34	54	....	36.7
Parkersburg	Maximum	49	80	70	64	77	64	79	66	55	57	50	41	41	52	56	64	53	57	67	79	74	79	76	57	72	63	55	66	77	69	...	63.6
	Minimum	32	46	34	29	49	42	44	55	51	45	41	34	30	33	28	38	30	31	34	40	51	47	46	48	46	38	33	35	40	60	....	40.3
Parsons	Maximum	46	78	78	70	73	65	74	69	58	64	54	46	42	43	54	60	54	61	74	83	81	81	80	66	71	68	64	69	81	67	....	65.8
	Minimum	28	35	35	25	38	38	36	52	45	42	42	29	26	29	23	31	24	23	23	30	37	39	35	51	50	50	31	32	31	54	...	35.5
Pickens	Maximum	44	71	70	72	71	61	75	65	59	59	52	41	37	48	49	56	52	56	59	77	70	75	76	63	66	60	43	62	77	64	....	61.0
	Minimum	23	33	48	25	47	38	36	52	48	45	40	26	21	25	22	27	20	20	25	35	42	39	36	54	48	42	26	26	33	54	....	35.2
Terra Alta	Maximum	50	73	59	54	68	53	71	61	43	41	49	31	33	45	48	52	46	53	65	73	74	73	70	60	63	61	44	61	75	64	....	57.2
	Minimum	24	49	19	25	31	31	45	39	37	35	27	21	20	24	33	23	25	22	31	35	37	38	29	46	49	26	27	27	52	48	....	32.5
Wellsburg	Maximum	48	78	74	56	75	70	72	68	55	57	54	49	37	50	56	56	55	58	67	80	80	81	76	68	69	67	54	67	77	72	....	64.2
	Minimum	27	41	40	20	35	31	31	51	49	40	43	30	26	26	22	26	23	23	24	29	37	35	34	30	43	42	32	28	30	49	....	33.2
Weston	Maximum	56	75	72	65	68	65	80	78	70	54	55	53	40	62	60	65	62	56	65	76	75	78	79	76	64	62	55	68	70	68	....	65.7
	Minimum	32	38	60	28	45	55	50	45	48	35	29	30	29	32	32	33	31	35	45	42	44	45	42	45	42	44	38	35	38	50	....	39.9
Wheeling‖‖	Maximum	54	81	60	64	75	61	80	62	56	60	55	55	41	50	60	62	60	63	70	80	82	85	81	63	70	60	55	73	80	..	....	65.4
	Minimum	25	32	36	20	35	30	32	32	31	31	42	22	22	21	20	26	25	20	20	31	39	36	35	34	45	50	30	25	32	45	...	30.8
Southern Division																																	
Beckley	Maximum	63	72	72	72	71	70	74	73	72	71	70	69	68	61	57	55	57	58	69	72	68	73	74	71	68	61	56	67	75	70	...	67.6
	Minimum	29	36	51	30	42	43	39	50	47	45	41	29	27	32	29	32	30	23	22	43	45	39	41	49	48	51	29	30	36	36	....	37.5
Bluefield	Maximum	51	68	..	73	72	68	73	70	54	..	61	45	49	53	53	57	..	61	69	73	70	75	72	..	75	66	60	67	74	70	....	64.6
	Minimum	29	43	..	37	48	48	44	49	46	..	43	32	28	33	30	33	..	30	30	48	49	41	45	..	54	52	31	32	43	56	....	40.5
Charleston ‖‖	Maximum	59	82	80	76	79	76	88	70	60	64	55	54	52	64	67	68	68	68	74	83	80	82	83	63	71	69	58	75	86	73	....	70.9
	Minimum	36	37	59	35	37	44	46	49	54	51	49	38	34	36	31	36	37	33	33	35	44	49	48	50	55	58	38	35	40	45	....	42 4
Gary ‖‖	Maximum	55	76	75	79	75	70	78	68	58	67	52	45	52	54	56	59	62	64	73	76	70	77	78	69	67	65	51	69	78	69	....	66.2
	Minimum	35	38	46	38	44	46	40	47	54	50	49	37	32	37	28	30	38	30	28	37	46	46	43	51	58	56	36	30	36	49	....	41.2
Hinton ‖‖	Maximum	57	80	79	76	76	74	81	61	56	68	59	48	55	59	59	62	66	66	80	79	72	79	80	64	69	65	54	75	82	68	....	68.3
	Minimum	34	35	39	37	38	44	42	45	52	48	48	36	35	35	30	32	35	31	31	36	43	48	44	47	50	52	36	32	37	42	....	39.8
Huntington	Maximum	56	81	78	78	79	72	79	75	75	62	58	58	51	59	61	65	61	62	68	81	76	80	81	76	73	63	59	68	80	75	...	69.7
	Minimum	34	41	54	33	45	45	47	58	52	49	48	37	34	34	31	40	36	33	33	39	55	46	46	53	47	49	34	33	39	61	....	42.9
Lewisburg	Maximum	49	72	73	74	72	68	77	67	54	57	53	49	46	53	52	51	57	60	70	73	73	75	74	68	65	66	64	68	74	67	....	64.0
	Minimum	29	32	33	33	34	45	38	49	42	44	43	32	28	31	25	31	30	24	25	35	38	45	39	36	34	36	33	32	34	49	....	35.3
Marlinton	Maximum	42	68	70	60	66	64	72	66	52	54	50	42	38	54	56	56	54	52	68	70	64	70	70	58	60	60	48	64	72	62	....	59.4
	Minimum	26	26	52	26	30	44	30	48	44	40	38	30	22	20	18	22	20	18	18	24	30	34	32	42	46	44	30	24	30	44	....	31.7
Point Pleasant	Maximum	58	78	72	70	78	76	78	72	65	60	58	48	49	61	62	70	66	62	74	80	78	82	80	75	70	68	68	68	78	70	....	69.1
	Minimum	30	42	50	28	40	40	42	53	48	45	45	32	29	27	27	34	28	29	32	32	48	42	40	44	45	48	48	34	36	55	....	39.1
Rainelle	Maximum	48	72	71	65	70	64	75	60	52	56	53	42	44	51	50	56	55	57	69	72	69	73	73	65	64	60	51	66	73	65	....	61.4
	Minimum	28	29	39	28	35	42	33	49	48	43	42	30	25	29	23	23	26	20	19	27	34	36	33	44	43	48	28	26	27	38	....	33.2
Ravenswood	Maximum	65	77	77	67	70	70	79	74	64	59	59	49	46	52	59	64	64	58	63	79	78	77	78	75	69	70	54	66	78	77	....	67.2
	Minimum	34	44	53	30	49	38	42	55	52	47	47	35	31	26	26	34	29	27	27	35	48	45	40	43	41	52	34	30	35	54	....	39.5
Richwood	Maximum	52	71	70	68	69	70	73	78	65	63	46	42	43	49	48	50	58	56	67	74	73	76	74	64	67	63	59	65	75	76	....	63.5
	Minimum	30	49	32	41	38	40	38	42	40	45	30	28	29	28	27	30	33	53	26	35	42	34	38	51	46	43	20	29	33	56	....	36.9
Robertsburg‖‖	Maximum	60	80	58	65	88	65	82	69	61	61	51	50	52	53	64	68	50	66	77	73	65	58	65	58	79	70	53	71	74	74	....	65.3
	Minimum	34	35	52	30	32	40	44	49	52	49	48	35	32	28	25	30	32	27	27	34	44	45	43	50	48	54	34	30	34	46	....	38.8
Ryan	Maximum	47	77	70	66	77	67	80	70	60	60	55	43	46	50	56	60	60	60	65	75	68	78	78	60	75	59	50	62	78	66	....	63.9
	Minimum	29	35	46	28	45	34	37	52	57	52	43	31	28	24	22	29	26	23	25	31	39	41	37	48	50	43	32	27	31	51	....	36.5
Spencer ‖‖	Maximum	60	79	61	68	76	69	82	72	60	62	51	45	47	55	58	65	57	60	69	80	75	79	78	71	72	65	55	68	80	73	....	66.4
	Minimum	33	42	50	31	50	41	41	45	55	48	48	34	31	29	26	40	55	28	29	32	41	45	41	42	49	46	35	31	35	56	....	40.3
Sutton	Maximum	47	80	80	69	75	75	80	80	65	60	60	55	44	52	57	61	61	59	68	77	77	78	78	77	70	70	60	67	81	81	....	68.1
	Minimum	38	35	60	29	44	40	38	53	52	49	48	31	30	27	24	30	21	27	26	33	43	41	39	30	48	50	34	28	33	50	....	37.7
Union	Maximum	50	73	..	76	75	70	78	77	54	..	58	51	49	55	56	60	..	65	73	76	73	77	79	..	77	64	64	68	77	76	....	67.3
	Minimum	28	31	..	30	38	45	37	50	45	..	43	29	27	31	27	27	..	24	25	35	37	44	38	..	45	50	31	31	34	54	....	36.0
White Sulphur Spgs.	Maximum	75	78	60	76	71	78	55	57	55	58	45	45	56	55	60	60	62	68	71	70	76	77	60	65	65	50	70	75	68	..	...	64.2
	Minimum	34	42	36	36	40	35	44	42	43	44	34	28	33	26	28	30	26	22	33	34	44	37	47	47	44	34	31	30	40	52	....	36.5
Williamson‖‖	Maximum	58	78	77	77	76	73	78	69	55	64	51	49	56	57	60	61	63	64	73	78	72	81	81	68	71	67	57	71	81	71	....	67.9
	Minimum	37	38	45	39	42	48	45	51	53	50	49	41	33	39	32	34	40	33	32	34	45	47	47	51	57	54	37	34	39	44	....	42.3

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	....	....	....	..	....	....	....	....	....	.048	.059	....	....	..	..	....	....	....	.178	.122	.089	.201	.222	.035	.102	.092	.155	.175	.079	....	......
	Wind movement	60	90	176	141	57	80	64	29	68	103	60	138	197	87	17	110	90	43	40	59	21	25	37	65	29	104	108	72	28	49	....	2,247

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 5-24-32—900)

551.05
UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

HENRY C. HOWE, Meteorologist

VOL. XL PARKERSBURG, W. VA., MAY, 1932 No. 5

GENERAL SUMMARY

The temperature averaged slightly above the normal and the precipitation somewhat below normal. There were but three periods of moderately warm weather, while the temperature was below the normal for about two-thirds of the month. Light to killing frosts occurred on the 3d and 30th, the damage from frost being practically limited to the mountain regions. Although the precipitation averaged only about two-thirds of an inch below the normal, a drought prevailed in most of the western counties at the close of the month. The rainfall was heavy over the northeastern counties, caused by a storm that moved along the Atlantic coast. Over most of the central-western counties and Great Kanawha River regions, the rainfall was generally especially light, being the lightest of May State record in several localities. Growth was slow or stunted during the last decade on account of lack of moisture. At the close of the month pastures and meadows were in rather poor condition and small fruits were scarce.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 62.1°. The departure from the normal for 42 stations having ten or more years of record was +0.6°. The temperature was above the normal from the 4th to the 9th and on the 15-16th and 25-27th, the highest temperatures occurring generally on the 25-26th. Cool weather prevailed on the 2d-4th, 11-12th, 17-20th, 22d-24th, and the 28th-31st, the lowest temperatures generally occurring on the 3d.

PRECIPITATION

The average precipitation for the State, determined from 93 stations, was 3.11 inches. The departure from the normal for 62 stations having ten or more years of record was −0.67 inch. Nearly all the rainfall was received on the 1st, from the 9th to the 15th, and on the 27-28th, but scattered light rains fell in many localities on the 4-5th, 17th, 21st-22d, and 26th.

LIGHT HAIL

Light hail fell at Wheeling, Ohio County, on the 5th and 8th, doing no damage.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 14th; Bens Run, 15th and 31st; Elkins, 30th and 31st; Hinton, 14th; Marlinton, 14th, 22d, 24th, 26th, 27th, and 30th; New Cumberland, 3d; Ravenswood, 1st; Richwood, 13th; Stony River Dam, 10th and 11th; Terra Alta, 9th, 10th, and 12th; Wheeling, 6th.

Halo, solar: Parsons, 19th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 3d, 1; 4th, 4; 5th, 9; 6th, 1; 8th, 7; 9th, 14; 10th, 4; 11th, 2; 12th, 1; 13th, 1; 21st, 4; 22d, 4; 24th, 1; 25th, 3; 26th, 3; 27th, 8; 28th, 8.

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PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.07	77	46	53	334.3	75	5,449	7.3	21	w.	16
Columbus, Ohio	30.05	65	44	51	311.5	70	7,735	10.4	32	sw.	16
Elkins	30.08	77	47	56	270.3	61	3,878	5.2	21	nw.	27
Lexington, Ky	30.08	68	50	....	318.1	72	9,044	12.2	30	nw.	9
Parkersburg	30.08	69	42	47	275.7	62	4,362	5.9	27	nw.	16
Pittsburgh, Pa	30.06	69	45	51	335.0	75	6,921	9.3	30	nw.	16
Wytheville, Va	30.05	75	51	63	242.0	55	4,445	6.0	21	w.	9

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	57.2	......	......	3.18	......	......	......	......	......	......	......
1892	62.2	96	32	5.04	......	......	......	......	......	......	......
1893	59.5	92	30	4.51	6.41	1.83	......	10	12	9	10
1894	62.1	100	28	4.44	9.40	2.17	......	13	16	9	6
1895	61.6	**105**	20	2.60	6.31	0.79	......	9	12	11	8
1896	**68.3**	95	33	3.01	5.92	0.65	......	10	11	13	7
1897	**57.6**	90	23	4.60	7.06	2.17	......	11	13	10	8
1898	63.0	94	28	4.51	6.15	2.76	......	13	13	10	8
1899	64.1	96	35	5.17	7.68	3.17	......	12	11	11	9
1900	62.5	98	21	2.99	6.75	0.35	......	8	14	9	8
1901	61.8	96	21	6.15	8.88	2.50	......	13	11	10	10
1902	65.2	98	25	3.17	6.09	1.30	......	9	14	11	6
1903	64.3	95	20	3.03	6.24	0.80	T.	8	18	9	4
1904	61.8	98	25	3.55	5.80	1.54	T.	11	12	11	8
1905	64.2	96	26	4.95	7.96	1.90	0	11	12	10	9
1906	62.7	98	22	2.59	6.89	0.39	T.	9	15	9	7
1907	59.0	93	24	3.88	6.37	1.38	T.	12	12	10	9
1908	63.4	96	28	6.19	11.45	2.73	0.1	17	9	12	10
1909	60.8	93	21	3.82	6.05	1.80	0.1	10	14	9	8
1910	57.9	96	19	3.92	5.87	1.55	0	12	11	10	10
1911	66.0	100	22	**1.46**	6.35	**0.03**	0	5	20	8	3
1912	63.3	94	31	3.93	7.50	1.16	0	11	15	8	8
1913	61.6	95	19	5.16	8.86	1.89	0	10	14	8	9
1914	62.4	100	24	1.96	3.75	0.55	0	6	18	8	5
1915	61.1	92	29	4.22	6.85	2.56	0	13	10	9	12
1916	64.0	97	28	3.58	6.00	0.90	T.	11	14	9	8
1917	**55.5**	95	25	4.88	5.45	2.45	T.	10	11	8	12
1918	66.7	97	25	4.34	10.28	1.85	T.	11	15	9	7
1919	61.5	100	30	5.25	10.71	2.75	0	13	12	7	12
1920	58.9	95	24	2.76	6.97	1.08	T.	7	16	6	9
1921	61.4	96	24	4.48	10.67	2.12	T.	12	12	7	12
1922	63.7	94	26	3.67	5.83	1.55	0	11	14	7	10
1923	59.7	93	21	2.58	5.33	0.18	1.3	8	16	6	9
1924	**55.5**	93	23	**7.20**	**12.20**	3.91	0.1	17	9	7	15
1925	56.8	100	21	3.35	6.56	0.70	0.2	10	13	8	10
1926	61.2	94	**14**	2.50	4.65	0.07	T.	9	15	8	8
1927	62.0	95	21	4.13	7.74	0.75	T.	15	10	8	13
1928	58.9	94	22	2.61	5.30	0.55	T.	10	14	8	9
1929	60.8	98	23	5.81	11.14	2.25	0.1	15	10	9	12
1930	63.3	101	23	2.17	4.99	0.64	0	10	15	8	8
1931	60.6	98	23	5.09	9.59	2.68	T.	15	12	8	11
1932	62.1	96	24	3.11	6.78	0.62	0	9	17	7	7
1891-1932	61.6	105	14	3.94	12.20	0.03	T.	11	13	9	9

Climatological Data for May, 1932

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	56.0	−0.4	84	25	24	3	49	6.52	+1.80	1.92	0	12	22	3	6	w.	Lewis T. Clark
Circleville	Pendleton	......	0	......	......	......	......	......	......	......	4.45	......	1.37	0	11	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	......	......	......	......	......	......	......	6.67	+3.05	2.34	0	10	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	2	62.5	......	89	25†	37	30	35	6.06	......	1.90	0	7	15	12	4	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}63.3	+0.5	95^{a}	26	38	3†	43^{a}	6.78	+2.96	1.90	0	8	22	6	3	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	64.4	+1.2	96	27	30	3	46	5.88	+2.33	2.75	0	8	27	1	3	......	M. S. Henkel
Piedmont	Mineral	1,053	19	60.9	+0.9	90	26	32	3	45	5.40	+2.30	2.21	0	8	15	9	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{c}62.3	−0.6	93^{c}	27	32^{b}	3	46^{c}	5.61	+2.11	1.40	0	10	15	11	5	......	George E. Bergdoll
Stony River Dam	Grant	3,300	12	......	......	......	......	......	......	......	4.66	+0.26	1.25	0	12	9	11	11	w.	A. C. Becker
Upper Tract	Pendleton	1,230	33	......	......	......	......	29^{c}	3	......	4.80	+2.01	1.80	0	4	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	15	^{a}61.0	......	89^{a}	8	30	3	43^{a}	6.70	......	1.65	0	12	14^{a}	10^{a}	6^{a}	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8	......	......	......	......	......	......	......	2.23	......	0.68	0	8	12	13	6	w.	L. Else Bond
Alma (near)	Tyler	800	5	......	......	......	......	......	......	......	2.17	......	1.20	0	9	20	6	5	......	D. N. Furbee
Alpena	Randolph	2,571	2	55.6	......	82	26	25	3	45	4.14	......	1.39	0	10	13	13	5	w.	Christian Hertig
Benson	Harrison	1,080	8	61.0	......	86	8†	26	3	44	1.42	......	0.55	0	6	18	11	2	......	John A. Clark
Bens Run	Pleasants	652	30	65.4	+2.5	93	26	33	3	44	1.33	−2.82	0.50	0	4	21	6	4	......	J. D. Riggs
Brownsville	Lewis	1,032	9	63.4	......	91	8	33	30	46	1.91	......	0.72	0	7	16	11	4	......	George M. Meyers
Bruceton Mills	Preston	1,549	15	......	......	......	......	......	......	......	3.59	−0.25	0.89	0	7	12	11	8	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	61.0	0	83	25†	34	2	36	2.32	−2.25	0.58	0	6	22	2	7	......	H. A. Darnall
Cairo	Ritchie	680	31	62.8	−0.5	85	25	29	3	46	2.01	−1.44	0.58	0	8	17	9	5	......	Eureka Pipe Line Co.
Cheat Bridge	Randolph	3,558	6	......	......	......	......	......	......	......	3.86	......	1.32	0	11	......	......	......	......	Blanche Elbon
Clarksburg	Harrison	1,015	10	62.0	......	89	25†	30	3	48	2.04	−1.63	0.50	0	10	16	6	9	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9	......	......	......	......	......	......	......	2.21	......	0.68	0	10	20	7	4	sw.	George W. Blair
Creston	Wirt	640	30	62.6	−0.6	90	26	29	3	50	1.98	−1.90	0.58	0	9	21	2	8	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	11	......	......	......	......	......	......	......	2.91	......	0.58	0	10	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	16	......	......	......	......	......	......	......	4.31	+0.97	1.05	0	13	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	16	......	......	......	......	......	......	......	2.76	−0.76	0.47	0	14	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	11	......	......	......	......	......	......	......	2.62	......	0.54	0	11	......	......	......	......	Lockmaster
Davis	Tucker	3,093	23	......	......	......	......	......	......	......	4.87	+0.30	1.17	0	11	......	......	......	......	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	20	......	......	......	......	......	......	......	1.97	−1.56	0.80	0	9	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	31	58.4	−0.8	84	26	29	3	42	3.52	−0.53	0.75	0	12	10	8	13	nw.	U. S. Weather Bureau
Fairmont	Marion	883	26	64.9	+3.0	95	26	32	3	52	2.88	−1.00	0.60	0	10	17	5	9	w.	J. C. Robinson
Glenville	Gilmer	738	38	65.0	+1.5	90	25†	31	3	49	1.59	−2.62	0.46	0	9	16	13	2	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	62.2	+0.7	92	26	29	3	44	2.99	−1.00	0.97	0	9	20	4	7	......	W. E. Clayton
Horner	Lewis	1,044	9	......	......	......	......	......	......	......	2.88	......	0.95	0	6	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	7	......	......	......	......	......	......	......	3.68	......	1.00	0	9	14	1	16	w.	J. W. White
Janelew (near)	Lewis	1,020	9	63.2	......	89	26	29	3	46	3.25	......	1.05	0	6	21	5	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	62.0	+0.6	89	26	27	3	52	2.04	−2.13	0.89	0	8	18	8	5	w.	Allen Smith
Mannington	Marion	985	29	61.0	+0.6	85	7†	29	3	44	2.50	−1.52	0.54	0	10	16	6	9	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	60.6	−1.6	86	9†	35	29	45	2.05	−1.55	0.65	0	5	18	10	3	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}61.2	+1.0	91^{a}	15	31	3	47^{a}	2.67	−0.74	1.03	0	14	12	10	9	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	65.4	+2.4	90	26	30	3	43	2.76	−0.90	1.75	0	6	21	4	6	n.	Wm. Ankrom
Parkersburg	Wood	638	45	64.0	+0.2	88	7	36	3	42	1.22	−2.16	0.63	0	10	12	10	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	61.1	+2.4	92	26	29	3	52	4.34	+0.34	......	0	9	12	10	9	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	......	......	......	......	......	......	......	5.39	+1.39	1.21	0	10	10	13	8	......	Robert T. Deem
Philippi	Barbour	1,550	35	......	......	......	......	......	......	......	3.48	−0.85	0.90	0	8	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	29	58.8	+0.7	89	9	26	3	41	2.82	−2.58	1.31	0	9	22	1	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	......	......	......	......	......	......	......	1.82	......	0.66	0	6	23	3	5	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	......	......	......	......	......	......	......	4.86	+0.37	1.07	0	12	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	23	......	......	......	......	......	......	......	2.53	−1.07	0.87	0	10	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	31	^{a}55.8	−1.6	82	25†	25^{a}	3	47^{a}	4.45	−0.45	0.95	0	11	7	7	17	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	......	......	......	......	......	......	......	4.85	......	1.05	0	12	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	9	63.0	......	90	5†	30	3	45	1.86	......	0.65	0	8	17	7	7	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	......	......	......	......	......	......	......	2.12	......	0.78	0	7	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	25	61.2	+1.1	91	25	26	3	48	2.43	−1.10	1.00	0	7	16	10	5	w.	George P. Pfister
West Milford	Harrison	979	7	......	......	......	......	......	......	......	2.37	......	0.75	0	8	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	63.5	+0.8	88	26	34	3	41	2.48	−1.78	0.64	0	9	4	13	14	......	A. Henry
Wheeling	Ohio	645	45	61.2	−0.6	93	7	25	3	54	3.98	+0.49	1.03	0	13	19	4	8	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5	......	......	......	......	......	......	......	2.29	......	0.78	0	11	22	6	3	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	......	......	......	......	......	......	......	3.64	......	1.85	0	10	20	5	6	w.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}62.2	−0.5	87^{a}	8	34	3	44^{a}	0.67	−3.34	0.37	0	4	18^{a}	1^{a}	11^{a}	ne.	Charles N. Long
Beckley	Raleigh	2,440	29	59.8	0	86	26	29	3	40	5.35	+1.82	1.25	0	11	13	13	5	......	L. A. Mauck
Bluefield ^{f}	Mercer	2,558	37	63.2	+1.5	84	25	34	3	39	5.90	+2.52	1.60	0	13	11	13	1	......	Norfolk & Western Ry.
Charleston	Kanawha	600	29	66.8	+3.4	94	5	38	3	46	1.84	−2.14	0.70	0	7	15	0	16	......	Dr. J. M. Cook
Clay	Clay	706	16	......	......	......	......	......	......	......	3.17	−0.81	1.05	0	9	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	5	......	......	......	......	......	......	......	1.70	......	0.79	0	7	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	16	......	......	......	......	......	......	......	1.21	−2.80	0.36	0	9	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	16	......	......	......	......	......	......	......	1.16	−2.48	0.34	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	16	......	......	......	......	......	......	......	0.79	−2.82	0.25	0	8	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	......	0	......	......	......	......	......	......	......	2.32	......	0.63	0	8	......	......	......	......	......
Gary	McDowell	1,426	16	63.2	+2.2	87	5†	33	3	39	4.70	+0.52	1.26	0	12	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	65.0	+1.6	93	25†	35	3	43	5.46	+1.84	1.76	0	7	21	5	5	......	Mrs. M. L. McClung
Huntington	Cabell	538	35	67.4	+2.7	91	26	37	3	45	0.78	−3.23	0.29	0	7	15	12	4	w.	H. N. Robinson
Kanawha Falls	Fayette	618	13	......	......	......	......	......	......	......	1.57	−2.57	0.43	0	5	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	16	......	......	......	......	......	......	......	3.83	−1.19	1.01	0	6	......	......	......	......	Cabin Creek Con Coal Co
Kermit	Mingo	579	6	......	......	......	......	......	......	......	1.14	......	0.30	0	5	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	2	......	......	......	......	......	......	......	4.16	......	1.44	0	9	22	0	9	......	Claud J. Wriston
Lewisburg††	Greenbrier	2,250	32	60.5	+0.4	84	25†	30	3	42	4.15	+0.71	2.00	0	5	14	9	8	......	Rose Argabrite
Logan	Logan	700	29	......	......	......	......	......	......	......	2.20	−2.23	0.84	0	4	......	......	......	......	J. R. Wampler
Marlinton	Pocahontas	2,131	33	55.6	−1.5	82	25	24	3	42	3.90	−0.10	1.90	0	7	1	26	4	sw.	S. L. Brown
Point Pleasant	Mason	595	39	65.4	+0.6	94	7†	34	3	48	3.09	−0.83	1.52	0	7	17	11	3	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	2	58.6	......	83	7†	26	2	40	4.63		1.35	0	10	22	2	7	......	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	9	63.4	+1.8	88	26	33	3	45	1.18	−2.47	0.39	0	9	17	0	14	se.	Lockmaster
Richwood	Nicholas	2,193	2	61.4	......	93	26	31	3	44	3.85	......	1.29	0	11	16	0	15	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	63.4	+0.1	93	16†	33	3	43	0.68	−2.82	0.27	0	6	21	0	10	......	M. Frazier
Ryan	Roane	700	29	60.5	−0.9	87	25†	28	3	47	0.62	−3.02	0.20	0	6	18	9	4	......	Wm. E. Ryan
Sharples	Logan	889	12	......	......	......	......	......	......	......	2.85	−1.37	0.85	0	6	......	......	......	......	R. W. Howard
Spencer	Roane	789	28	63.3	−0.9	90	25	32	3	47	1.31	−2.35	0.36	0	7	19	7	5	......	A. M. McKown
Sutton	Braxton	850	26	63.8	+0.5	89	25†	37	30	47	2.30	−2.31	0.55	0	8	22	0	9	......	C. B. Eakle
Union ^{f}	Monroe	2,250	28	61.4	+0.5	88	25	29	3	42	4.78	+1.97	2.09	0	7	10	8	7	......	W. M. H. Young
Wayne	Wayne	598	5	......	......	......	......	......	......	......	1.39	......	0.54	0	6	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	^{a}60.4	−0.2	87	25†	28^{a}	3	42^{a}	3.15	−0.17	1.35	0	4	23	2	6	......	A. P. Spence
Williamson	Mingo	673	32	66.4	−1.4	91	5†	37	3	42	2.50	−1.65	0.86	0	8	16	9	7	w.	J. E. Dotson
State averages and	extremes	......	......	62.1	+0.5	96	27	24	3	54	3.11	−0.76	2.75	0	9	17	7	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac	.94				.50			1.40	.52	.45	1.92	.32	.20			T.								.10		.05	.11		.01			6.52
Brandywine	do																																
Circleville	do	1.37				.14				.81	.03	.63	.65	.52	.06	.02							.06				.16						4.45
Harpers Ferry ‖‖	do	1.62					T.			.25	.06	1.53	.53	2.34	.04	.01											.20		.09				6.67
Kearneysville	do	1.71				T.				.40	.70	.62	1.90	.49														.24					6.06
Martinsburg ‖‖	do	1.40					T.			.80	.35	1.35	.35	1.90		.03											.60		T.				6.78
Moorefield	do	1.45				.25				.30	.57	.39		2.75	.16			.01															5.88
Piedmont	do	.62				.20				1.09	.68	.34	2.21	.11	.15																		5.40
Romney‖‖	do	1.24					.13			.56	.35	.50	1.15	1.40	.17	.05												.06					5.61
Stony River Dam	do	1.25				.30	.10			.34	.04	.59	.76	.92	.18			.05										.03	.10				4.66
Upper Tract	do	1.80									1.20		1.30	.50		T.																	4.80
Wardensville‖‖	do	1.42				.18				.83	.32	.41	1.65	1.20	.15	.03							.28				.02		.21				6.70
Northern Division																																	
Aberdeen	Monongahela	.52			T.					.13	*	.53	.68	.22	.11													T.	.04				2.23
Alma (near)	Ohio	.13			.01					.04	.40	.06	1.20	.20	.10													.03					2.17
Alpena	Monongahela	1.39			T.	.18				.12	.19	.58	1.12	.16	.17			.15				.08							T.				4.14
Benson	do	.35								.08	.08		.55	.10															.26				1.42
Bens Run	do				T.					.19	.43		.50		T													.21					1.33
Brownsville	do	.38			T.					.11	.40		.72	.12	.13													T.	.05				1.91
Bruceton Mills	do	T.				.75				.78	.89	.20	.48	.08	.41													T.	T.				3.59
Buckhannon	do	.53			T.					.15	.46		.58	.18				T.									.42	T.					2.32
Cairo	Little Kanawha	.16			.05				.32	.30	.31		.58		.02													.07					2.01
Cheat Bridge‖‖	Monongahela	1.32			.05					.45	.15	.32	.40	.10	.05			.08					.79						.15				3.86
Clarksburg‖‖	Little Kanawha	.46				.03				.16	.02	.38	.50	.28	.01	.14													.06				2.04
Crawford‖‖	do	.44			.08				.01	.15	.34		.68	.12	.14			.02											.23				2.21
Creston‖‖	Monongahela	.26			.07	.12				.17	.30	.09	.30	.09															.58				1.98
Dam 10, Mon. R.‖‖	Ohio	.58				.12	.06			.25	.53	.58	.24	.23		.23													.09				2.91
Dam 12, O. R.‖‖	do	.40				.08	.14		T.	.62	.43	1.05	.90	.19	.03	.19		.06										.08	.14				4.31
Dam 13, O. R.‖‖	Monongahela	.15				.18	.47		.03	.30	.46	.22	.36	.25	.02	.15		.05										.10	.02				2.76
Dam 15, Mon. R.‖‖	do	.54			.02	.28				.14	.06	.29	.28	.43	.14	.27													.17				2.62
Davis ‖‖	do	1.08				.11			T.	.45		.92	1.17	.48	.19	.09											.36		.10	.02	T.		4.87
Elizabeth (D'm 3 LK)	Little Kanawha				.08	.01				.15	.42	.12	.80	.19														.07	.13				1.97
Elkins***	Monongahela	.84			.03	T.			T.	.13	.74	.15	.52	.07	.17			.13								.13	.53	.08	T.				3.52
Fairmont‖‖	do	.60				.54				.16		.27	.36	.41	.05	.28												.04	.17				2.88
Glenville ‖‖	Little Kanawha	.46			.03					.12	T.	.06	.21	.28		.04		T.										.19	.20				1.59
Grafton ‖‖	Monongahela	.05			.15					.35	.48	.34	.97	.20	.25													.20					2.99
Horner	do																																
Horton	do	1.00			T.					.79	.22	.30	.77	.26	.12			T.				T.				.10		.12					3.68
Janelew (near)	do	.75									.50	.55	1.05	.20	.20																		3.25
Lost Creek	do	.35			T.				T	.04	.20	.03	.89	.08	.07						T.						T.	T.	.38				2.04
Mannington	do	.39			.01	.34				.17	.54	.05	.54	.10	.17			T.										.19		T.			2.50
Morgantown	do																																
New Cumberland‖‖	Ohio	.11				.05	.12	.02	.08	.08	1.03	.34	.43	.12	.08	.11		.08										.02		T.			2.67
New Martinsville	do								.08	.10	.52		1.75		.18													.13					2.76
Parkersburg***	do	.01		.01	.12				.17	.46	.05	T.	.18		.01		.02											.19					1.22
Parsons	Monongahela																																
Parsons No. 2	do	.83			T.	.15				.98	1.21	.43	.98	.14	.44			T.								.08			.15				5.39
Philippi	do	.50								.90	.02	.75	.43	.50	.02														.36				3.48
Pickens	do	1.31				.15				T.	.25	.17	.47	.30				.03								T.		.07	.07				2.82
Roanoke	do	.53								.30	.21	T.	.66	.11								T.						.01					1.82
Rowlesburg‖‖	do	.57				.16	.21			.73	.07	.88	.73	1.07	.09	.17												T.	.12	.06			4.86
Saint Marys‖‖	Ohio	.16				.03				.25	.41	.34	.87	.23		.03		.04											.17				2.53
Terra Alta	Monongahela	T.			.36	T.			.95	.07	.59	.65	.89	.22	.15												.19	.36	.02				4.45
Thomas ‖‖	do	.90				.11				.52	.11	1.05	1.05	.67	.16	.04											.20		.03	.01			4.85
Valley Chapel	do	.30		T.						32	.22	.04	.65	.11	.18														.04				1.86
Vandalia	do																																
Wellsburg	Ohio					.22		.03		.38	1.00	T.	.41	T.	.29			.10										T.					2.43
West Milford	Monongahela																																
Weston	do	.58			.04					.12	.06	.61	.22	.64		.15													.06				2.48
Wheeling‖‖	Ohio	.35				.06	.36			.52	.32	1.03	.80	.16	.03	.16		.06										.12	.01				3.98
Woodlands‖‖	do	.18			T.	.01				.10	.30	.16	.78	.52	.02	.13		.06										.03					2.29
Southern Division																																	
Arbovale	Great Kanawha	1.85				.04				.40	.48	.50	.13		.02			T.				.12	.06					.04					3.64
Bancroft ‖‖	do										.09		.07	.14															.37				0.67
Beckley	do	1.17			T					.26	1.16	.53	1.25	.09	.03			.02				.04	.64					.16					5.35
Bluefield	do	1.40								.14	.70	1.05	1.60	.13	.02				.04		.05			.27	.06			.32	.12				5.90
Charleston ‖‖	do	.32			.02					.03	.70		.38	.05															.34				1.84
Clay‖‖	do	.66			.05	.11				.02	.10	.49	1.05	.51	.01														.17				3.17
Dam 6 G. K ‖‖	do	.35			.02						.79		.22	.07					.07									.18					1.70
Dam 19 O. R. ‖‖	Ohio	.07	T.		.10	T.				.30	.36	.03		.20	T.	.01		.02										T.	.12				1.21
Dam 20 O. R. ‖‖	do	.10			.07	.06				.34	.25	.02		.18				.04										T.	.10				1.16
Dam 25 O. R. ‖‖	do	.09			.02					.81	.33	.02		.17				.05															1.49
Dam 26 O. R. ‖‖	do	.23			.03	.01					25	.01	T.	.15				.04											.07				0.79
Durbin		15	.10							.45	.40	.17	.63	.30	.12																		2.32
Gary ‖‖	Big Sandy	1.26		.01							.11	.27	1.18	.97	.01				.03		.03		.65	.01					.17				4.70
Hinton‖‖	do	1.76									.33	.76	.90	.16					T.				.60						.95				5.46
Huntington	Ohio		T.		.01				T.	.29	.16		.03	T.				.03									.10	.16					0.78
Kanawha Falls‖‖	Great Kanawha	.42									.12	.43	.30	.30																			1.57
Kayford‖‖	do	.70			T.						.45	.03	1.01	.65															.99				3.83
Kermit‖‖	Big Sandy									.19	.28	.09	.30															.28					1.14
Kingston	Great Kanawha	1.00								.22	.52	.11	1.44	.10				.18					.37					.22					4.16
Lewisburg	do	2.00									.64	.40	.57										.54						T.				4.15
Logan‖‖	Guyandotte										.84		.66	.38															.32				2.20
Marlinton	Great Kanawha	1.90			T.	.18			.28		.22	.68	.28		T.			T.				.36					T.						3.90
Point Pleasant‖‖	Ohio	.30			.10	T.				1.52	.70			.22				.10											.15				3.09
Rainelle	Meadow Creek	1.21	.03		.04					T.	1.35	.13	.45	.12								.37	.83						.10				4.63
Ravenswood (Dam 22	Ohio‖‖	.39			.03					.29	.20	.02	.05	.12				.02											.06				1.18
Richwood	Great Kanawha	1.29			.13	.10		.02	T.		.36	.63	.45	.20	.02								.50						.15				3.85
Robertsburg‖‖	do	.27			.03						.04	.02		.10															.22				0.68
Ryan	do	.20								.02	.15		.11														.04	.10					0.62
Sharples‖‖	Coal River																																
Spencer ‖‖	Great Kanawha	.33			.05					.30	.05	.36	.05		T.														.17				1.31
Sutton	Gauley	.45			.10	.15					.45	.25	.55	.20	.15																		2.30
Union	do	2.09								T.	.11	.75	.95					T.						.54				.19	.15				4.78
Wayne‖‖	Big Sandy	.10									.30		.54	.09														.30	.06				1.39
White Sulpr. Spgs.‖‖	Great Kanawha										1.35	.80	.45									.55											3.15
Williamson‖‖	Big Sandy	.15									.47	.01	.48	.86							T.		.13					.06	.34				2.50

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for May, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	66	60	62	69	81	80	79	76	65	52	50	60	61	79	80	74	64	66	76	79	76	73	79	83	84	75	70	69	58	67	76	70.6
	Minimum	49	41	24	43	46	48	50	52	45	43	43	45	44	42	43	50	29	29	31	46	44	30	30	40	48	55	49	47	36	26	32	41.3
Brandywine	Maximum	74	76	80	85	84	86	90	88	85	72	60	55	65	66	82	85	73	65	70	80	84	80	82	85	86	89	90	75	70	75	80	78.0
	Minimum	50	29	27	40	44	49	50	52	54	50	44	45	46	42	45	48	42	39	34	37	44	47	38	45	52	55	56	55	41	30	37	44.1
Kearneysville	Maximum	72	61	68	76	71	81	88	83	82	56	54	52	69	72	81	87	77	68	69	76	81	76	72	81	89	89	87	79	66	72	79	74.6
	Minimum	55	45	48	49	50	47	58	66	54	48	44	48	46	48	50	53	60	45	39	41	56	55	38	46	57	63	65	64	48	37	49	50.4
Martinsburg‖‖	Maximum	75	63	73	80	74	84	90	83	66	55	53	60	73	75	87	90	75	70	75	83	87	70	76	88	91	95	91	80	70	78	..	77.0
	Minimum	56	48	38	43	53	49	54	56	53	46	44	43	47	50	50	54	61	46	39	40	50	55	41	47	53	58	63	63	49	38	50	49.6
Moorfield	Maximum	75	75	75	80	80	80	91	90	84	75	64	54	70	70	88	92	85	72	75	85	88	87	79	89	91	92	96	84	69	77	84	80.5
	Minimum	54	46	30	34	55	50	52	58	58	51	48	47	48	45	46	52	60	40	38	41	57	54	48	45	52	54	60	60	41	33	41	48.3
Piedmont	Maximum	72	58	69	75	73	84	85	85	81	61	49	54	67	65	84	87	76	65	67	80	86	70	74	85	88	90	83	75	64	73	82	74.4
	Minimum	53	47	32	48	50	51	54	55	52	47	46	46	50	46	47	52	56	39	36	39	53	50	37	40	48	56	50	62	42	35	42	47.4
Romney‖‖	Maximum	75	63	72	78	78	87	89	88	81	56	53	..	70	65	87	89	69	69	72	83	88	74	78	89	..	89	93	77	67	77	..	77.0
	Minimum	54	49	32	46	51	49	54	58	58	48	44	46	..	45	45	52	58	39	36	38	54	54	37	43	49	..	57	63	44	34	43	47.6
Upper Tract	Maximum	..	56	..	68	72	80	79	78	75	51	48	50	64	..	82	..	62	62	62	70	71	70	72	73	79	80	79	..	60	70	71	68.6
	Minimum	..	46	29	..	48	48	49	50	43	45	45	44	45	..	44	..	50	48	47	35	38	50	51	48	43	40	41	..	39	30	30	43.3
Wardensville	Maximum	74	60	70	76	78	85	87	89	88	73	52	54	70	83	84	86	69	67	70	79	83	72	75	83	88	79	85	72	65	73	..	75.6
	Minimum	54	48	30	40	50	45	48	52	55	46	45	44	44	45	45	50	64	40	35	36	51	54	35	43	50	53	57	61	43	33	41	46.4
Northern Division																																	
Alpena	Maximum	63	57	62	66	76	76	78	76	72	64	58	49	54	60	77	78	67	65	69	75	76	72	71	77	80	82	73	70	55	67	74	69.0
	Minimum	48	40	25	43	47	48	44	49	50	47	45	41	44	42	43	50	49	31	31	55	44	45	35	32	42	48	51	47	35	26	31	42.2
Bens Run	Maximum	71	67	73	76	86	87	89	86	79	77	75	62	68	74	86	88	75	65	80	85	87	75	78	89	92	93	83	72	69	79	86	79.1
	Minimum	55	46	33	54	52	54	57	64	56	56	53	52	47	56	51	53	54	41	42	46	58	52	42	45	66	59	66	54	44	43	48	51.6
Buckhannon	Maximum	70	60	68	71	81	81	82	82	76	70	67	58	60	65	80	81	65	64	71	75	79	77	73	79	83	83	81	70	60	68	73	72.7
	Minimum	55	34	35	53	53	53	53	59	58	56	51	50	51	40	50	60	53	38	41	44	53	55	42	43	59	58	61	57	42	36	44	49.6
Cairo	Maximum	70	66	69	80	86	85	86	85	76	76	71	69	67	70	85	87	85	70	77	84	85	85	85	84	88	87	87	78	69	74	82	79.0
	Minimum	54	40	29	49	49	48	52	59	54	53	47	52	49	48	45	50	52	36	38	41	52	44	36	38	51	54	62	50	38	34	38	46.5
Clarksburg ‖‖	Maximum	70	62	71	74	87	85	87	85	80	71	77	55	66	72	85	87	74	63	77	86	87	71	80	87	89	89	81	61	65	74	80	76.7
	Minimum	54	42	30	41	51	51	52	58	55	53	50	49	49	45	48	50	55	36	39	41	50	53	40	39	50	55	60	56	38	34	39	47.2
Creston	Maximum	71	67	71	82	88	87	87	86	83	73	72	65	68	73	85	84	82	73	77	85	86	84	81	88	89	90	86	65	65	75	82	79.0
	Minimum	44	40	29	49	50	49	50	53	56	52	48	52	49	42	45	49	53	32	39	42	50	51	35	38	52	53	60	52	40	36	40	46.1
Elkins	Maximum	67	54	64	71	80	80	81	80	75	66	63	51	58	62	80	82	63	63	72	79	78	69	73	80	82	84	76	63	57	67	75	70.8
	Minimum	51	38	29	49	51	51	49	55	55	52	48	47	48	46	50	49	48	35	40	41	52	46	41	38	48	53	57	48	39	33	39	46 0
Fairmont‖‖	Maximum	72	65	72	77	85	88	91	90	81	69	74	56	73	69	90	90	75	71	83	90	91	77	85	92	94	95	84	63	69	79	87	79 9
	Minimum	55	45	32	46	53	56	58	62	58	56	52	50	50	49	52	55	54	38	39	44	57	53	42	40	53	60	64	57	40	35	42	49.9
Glenville	Maximum	73	71	74	82	89	88	89	88	84	78	74	65	67	73	88	89	84	73	81	86	87	83	83	89	90	90	89	86	84	76	85	81.9
	Minimum	56	43	31	50	53	50	51	59	55	52	48	52	50	45	48	50	57	37	40	43	51	52	39	40	53	55	60	48	40	38	41	48.0
Grafton	Maximum	72	65	65	74	81	85	84	87	78	77	69	60	64	64	83	85	80	68	78	84	84	74	77	83	89	92	86	68	65	73	82	76.6
	Minimum	54	44	29	50	52	53	52	58	58	53	50	48	50	45	49	52	54	35	38	42	52	54	40	39	49	56	61	54	38	34	40	47.8
Lost Creek	Maximum	70	66	69	74	85	85	86	86	81	74	70	61	64	70	84	86	80	64	77	81	86	79	80	88	88	89	85	75	68	75	82	77.8
	Minimum	54	40	27	51	49	50	50	56	54	50	47	49	49	44	47	50	54	35	37	40	50	53	38	36	49	55	60	54	35	31	36	46.1
Mannington	Maximum	71	63	67	73	80	83	85	85	81	71	70	59	66	66	82	83	79	64	74	80	81	79	73	81	85	85	83	70	64	70	78	75.2
	Minimum	54	42	29	51	51	50	53	57	55	53	49	49	51	45	47	51	53	35	35	41	52	52	37	37	48	55	60	53	37	33	38	46.9
Morgantown	Maximum	68	58	62	67	70	81	84	85	86	76	77	67	80	82	75	80	78	80	81	75	66	68	77	84	85	86	80	66	75	78	77	75.9
	Minimum	56	42	38	49	49	49	50	50	56	53	53	47	51	51	36	51	36	36	36	50	47	36	47	46	46	50	41	38	35	39	38	45.2
New Cumberland‖‖	Maximum	68	57	68	73	74	84	87	84	76	63	68	59	70	73	91	85	64	65	76	83	84	66	76	85	89	88	82	64	65	76	..	74.8
	Minimum	51	43	31	35	48	47	60	63	57	53	52	48	48	45	52	54	47	34	37	41	52	45	38	38	51	61	69	53	36	38	43	47.5
New Martinsville	Maximum	70	64	70	71	87	86	89	88	83	70	72	66	70	74	86	87	82	68	80	86	87	77	78	88	89	90	85	73	67	76	84	78.8
	Minimum	57	45	30	52	51	59	63	64	59	60	56	56	55	53	53	68	50	36	37	45	59	50	48	50	55	63	71	54	39	38	42	51.9
Parkersburg	Maximum	68	60	67	83	86	86	88	88	77	67	72	57	67	75	86	87	68	65	76	82	84	71	76	86	87	88	83	64	65	74	81	76.3
	Minimum	51	44	36	52	55	56	60	64	58	56	51	52	49	49	53	58	50	43	45	49	59	50	44	44	59	64	64	51	46	41	47	51.6
Parsons	Maximum	70	53	70	74	83	86	85	78	76	77	66	70	66	67	83	86	66	73	75	85	85	79	80	89	90	92	81	65	65	75	84	76.6
	Minimum	51	40	29	45	45	60	51	59	59	50	45	46	45	45	45	48	55	34	37	40	49	48	39	37	39	54	57	50	39	33	39	45.6
Pickens	Maximum	65	55	65	67	80	82	81	81	89	71	61	53	53	81	82	82	62	66	74	79	79	76	77	81	84	84	78	67	56	70	78	72.9
	Miuimum	48	42	26	50	50	50	50	55	49	41	45	45	44	40	52	50	48	32	39	44	49	46	40	40	51	53	56	46	38	29	39	44.7
Terra Alta	Maximum	65	53	61	66	76	77	79	79	72	48	57	50	59	59	78	80	65	61	64	75	78	70	72	79	82	82	73	59	58	66	74	68.3
	Minimum	..	39	25	40	45	48	53	60	51	44	41	42	43	45	44	45	48	30	36	33	34	49	49	32	44	55	58	53	35	28	34	43.4
Wellsburg	Maximum	69	61	68	72	78	85	87	86	78	67	68	61	70	72	86	87	71	65	78	85	87	70	78	88	91	89	83	75	68	78	86	77.0
	Minimum	50	44	26	50	47	47	58	61	54	50	49	47	45	45	46	51	48	32	32	37	50	63	32	34	46	54	63	50	37	31	39	45.4
Weston	Maximum	68	67	65	70	80	84	85	86	85	74	68	65	65	62	80	85	82	66	70	85	84	82	76	82	86	88	83	78	75	70	82	76.7
	Minimum	65	44	34	52	55	50	53	60	58	49	50	50	50	45	50	56	55	45	41	51	54	55	42	41	55	61	62	58	41	36	42	50.3
Wheeling‖‖	Maximum	72	60	61	70	82	90	93	90	75	67	74	59	72	60	89	85	74	72	80	88	90	80	80	90	92	91	82	53	70	81	80	77.6
	Minimum	50	40	25	48	47	50	55	60	52	52	50	46	43	46	50	50	47	32	33	34	48	44	35	35	44	54	64	48	33	34	41	44.8
Southern Division																																	
Beckley	Maximum	67	59	68	77	83	81	83	79	74	64	59	53	60	67	80	81	74	68	68	74	79	74	77	83	85	86	76	66	60	73	80	72.8
	Minimum	51	40	29	48	51	30	54	59	54	48	46	46	45	37	45	57	51	41	45	49	53	54	46	45	54	52	57	50	43	33	41	46.9
Bluefield	Maximum	..	67	70	79	83	82	80	..	83	79	69	64	60	64	..	81	79	79	71	75	74	..	78	82	84	83	82	74	..	..	77	76.0
	Minimum	..	41	34	52	54	56	57	..	52	51	48	46	46	43	..	49	56	48	47	48	56	..	54	54	57	56	61	56	..	..	38	50.4
Charleston ‖‖	Maximum	76	69	80	87	94	91	92	93	92	71	77	60	68	73	91	90	66	82	83	92	74	76	90	92	91	89	84	72	66	78	81	81.3
	Minimum	57	51	38	41	53	56	56	60	58	56	52	56	53	48	52	57	57	44	46	50	57	62	46	46	51	60	63	51	51	44	49	52.3
Gary ‖‖	Maximum	70	61	72	81	87	85	87	83	79	69	68	55	62	74	82	84	68	71	71	79	82	77	79	83	87	86	82	69	65	74	78	75.8
	Minimum	55	43	33	45	49	52	49	53	55	53	54	51	51	46	48	53	57	51	46	54	54	60	50	52	56	53	58	58	50	39	44	50.7
Hinton ‖‖	Maximum	73	65	77	84	92	89	92	85	77	64	62	54	65	73	87	89	68	78	77	83	89	83	84	89	93	93	81	71	67	80	87	78.8
	Minimum	55	46	35	41	51	54	51	56	56	52	56	50	52	46	48	52	56	51	46	52	58	59	54	51	54	54	58	58	49	43	45	51.3
Huntington	Maximum	74	67	72	86	95	88	89	87	86	84	71	65	70	78	89	88	86	84	80	83	84	82	82	90	90	91	88	78	71	77	85	81.8
	Minimum	54	48	37	54	58	55	55	63	59	57	52	55	54	46	52	56	52	43	48	57	58	57	46	45	60	61	66	55	45	44	49	52.9
Lewisburg	Maximum	68	69	67	77	83	80	82	80	81	68	59	55	59	66	79	82	73	69	68	68	80	74	74	80	84	84	80	81	79	74	76	74.2
	Minimum	52	39	30	49	50	50	48	50	55	48	49	43	49	39	45	49	54	42	42	41	46	51	55	41	54	50	55	54	50	33	34	46.8
Marlinton	Maximum	66	54	64	72	74	76	80	78	70	60	58	54	54	62	76	72	66	66	64	72	76	72	72	78	82	78	76	68	58	68	78	69.2
	Minimum	44	36	24	40	42	44	42	50	48	48	48	46	44	34	40	42	50	42	34	36	44	40	46	40	44	46	52	52	38	30	36	42.0
Point Pleasant	Maximum	70	68	70	88	90	92	94	87	85	70	70	68	70	80	92	90	85	72	80	86	90	82	84	90	94	94	84	67	70	80	86	81.7
	Minimum	50	43	34	48	51	50	51	58	54	52	49	51	47	45	50	54	53	40	45	50	55	54	40	42	55	57	60	50	45	40	45	49.0
Rainelle	Maximum	68	54	67	77	82	81	83	79	78	73	68	67	69	72	82	80	74	70	63	73	75	74	75	76	83	80	76	72	57	67	77	73.3
	Minimum	51	26	30	45	46	44	43	48	49	44	47	47	45	37	41	44	49	47	43	50	50	52	43	36	46	45	50	52	43	30	36	43.8
Ravenswood	Maximum	71	68	67	68	87	87	86	87	83	65	72	63	68	72	80	85	84	84	76	84	86	83	79	86	87	88	85	86	68	75	83	78.8
	Minimum	53	45	33	40	53	53	54	61	55	55	49	54	44	45	45	50	42	41	41	49	55	55	41	41	45	57	50	53	44	38	43	47.9
Richwood	Maximum	63	66	68	76	84	82	86	82	75	77	66	56	56	62	81	85	84	67	73	78	76	80	78	82	86	93	89	84	59	72	77	75.6
	Minimum	52	47	31	52	56	58	53	52	51	48	44	48	46	42	37	49	52	39	46	48	49	51	43	41	50	52	54	55	44	33	41	47.2
Robertsburg‖‖	Maximum	75	64	76	70	88	92	90	80	78	73	68	63	70	66	90	93	75	80	85	75	87	67	84	80	81	86	93	66	52	82	85	77.9
	Minimum.	52	46	33	41	53	58	52	60	54	53	45	54	48	43	47	53	52	40	42	49	54	54	41	39	57	57	63	53	42	39	43	48.9
Ryan	Maximum	70	65	70	80	84	83	85	80	75	65	70	60	65	70	85	85	69	66	80	80	82	75	80	85	87	87	80	65	65	73	80	75.7
	Minimum	54	39	28	49	49	48	49	57	52	49	43	52	43	38	45	48	49	34	39	45	50	50	36	38	52	52	58	49	38	33	38	45.3
Spencer ‖‖	Maximum	71	63	71	83	89	87	88	85	77	72	60	58	68	73	85	78	69	80	85	85	85	76	82	88	90	80	83	63	67	76	88	77.7
	Minimum	56	43	32	53	53	53	55	65	56	48	48	49	49	44	48	54	40	42	45	52	56	52	40	41	48	59	60	55	42	37	42	48.9
Sutton	Maximum	70	70	70	82	86	86	87	87	85	77	66	66	63	72	85	86	86	68	68	80	83	83	80	87	89	89	88	82	63	74	82	78.7
	Minimum	55	47	39	48	54	51	51	57	55	52	49	53	50	43	48	51	57	38	40	45	49	54	41	40	53	54	58	57	46	37	42	48.8
Union	Maximum	..	70	71	79	85	85	84	..	85	73	60	55	58	69	..	85	82	72	72	77	82	..	76	82	88	87	85	75	..	72	..	76.4
	Minimum	..	39	29	48	48	49	46	..	53	48	47	46	48	35	..	42	53	48	42	50	51	..	52	47	52	50	50	55	..	34	..	46.5
White Sulphur Spgs.	Maximum	70	54	70	76	85	85	86	82	80	63	60	56	62	72	83	85	71	70	68	73	80	75	76	86	87	87	82	73	66	72	78	74.6
	Minimum	..	38	28	46	46	48	45	50	53	48	49	48	48	40	44	45	52	51	41	44	48	56	52	49	51	47	53	54	40	32	38	46.1
Williamson‖‖	Maximum	74	66	76	86	91	88	90	85	77	72	70	61	68	77	88	86	67	74	69	85	82	81	85	88	91	89	85	71	72	80	86	79.7
	Minimum	57	47	37	44	53	54	53	58	59	57	54	54	54	49	52	55	60	46	47	57	56	60	49	51	59	58	65	60	50	44	48	53.1

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.094	.231	.146	.156	.074	.156	.267	.299	.293	.152	.055	.112	.018	.037	.073	.213	.300	.255	.222	.110	.279	.245	.300	.223	.255	.222	.234	.179	.195	.140	.205	5.740
	Wind movement	40	75	60	26	35	31	56	64	83	34	31	51	68	47	9	35	70	77	82	37	24	71	87	38	27	33	42	62	80	50	30	1,555

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO. Cleveland. 6-24-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XL   PARKERSBURG, W. VA., JUNE, 1932   No. 6

GENERAL SUMMARY

The temperature averaged slightly above the normal and the precipitation practically normal. The daily temperatures generally averaged slightly above normal or near normal, except for a few days. Cool weather prevailed at the close of the first decade and the beginning of the second decade, causing frosts in sections of the mountain regions. The damage, however, was reported as slight. Light frost was also noted in a few sections on the 24th. The precipitation was generally below normal over the northern portions of the State and was considerably above normal over the southern half of the State, making the State average practically normal. There was abundant rain after the 11th, causing an excellent advancement of all crops. During a thunderstorm, moderately high winds prevailed over the central-western counties on the 27th. The only damage reported was in Parkersburg and vicinity, where the loss to property and wires was estimated to be about $3000. There was but slight damage from hail.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 70.1°. The departure from the normal for 44 stations having ten or more years of record was +1.3°. Moderately warm weather prevailed the first week, from the 17th to the 23d, and from the 26th to the close of the month. The temperature was low from the 7th to the 13th and on the 24th.

PRECIPITATION

The average precipitation for the State, determined from 92 stations, was 4.46 inches. The departure from the normal for 63 stations having ten or more years of record was +0.07 inch. The precipitation was heaviest over the south-central counties and lightest over the northwestern counties. The greater portion of the rainfall was received on the 4th, 6-7th, 11th-18th and the 26-28th, the rainfall being excessive over the the central counties on the 27-28th.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Cabell, 20th; Randolph, 21st; Tucker, 6th; Upshur, 15th.

HEAVY HAIL

Heavy hail fell at Osceola, Randolph County, on the 20th. The storm moved from the southwest about ten miles. The path of the storm was about two miles in width. Some of the stones ranged in diameter from one-half to one and one- half inches. Trees and crops were stripped of leaves. Damage probably near $500.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 21st; Bancroft, 17th; Brandywine, 18th, 19th, and 29th; Glenville, 13th and 14th; Hinton, 7th and 21st; Marlinton, 1st to the 6th, 8th, 9th, 16th to the 18th, 21st, 24th, 25th, 29th, and 30th; New Cumberland, 14th; Parsons, 8th and 9th; Rowlesburg, 15th; Terra Alta, 12th, 13th, 15th, 17th, and 19th; Williamson, 29th and 30th.

MISCELLANEOUS PHENOMENA (Continued)

Frost, light to heavy: Alpena, Arbovale, Bayard, Brandywine, Bruceton Mills, Buckhannon, Glenville, Horton, Pickens, Richwood, Terra Alta, Union, Wardensville, and Wellsburg, 8th and 9th; Bayard and Terra Alta, 24th.

Thunderstorms (dates and number of stations reporting): 1st, 2; 2d, 2; 3d, 1; 5th, 5; 6th, 11; 7th, 3; 13th, 4; 14th, 1; 15th, 8; 16th, 6; 17th, 4; 18th, 6; 19th, 5; 20th, 10; 21st, 1; 26th, 8; 27th, 11; 28th, 1; 30th, 3.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

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Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		a. m.	Local noon	p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	29.93	79	55	64	287.0	64	4,249	5.9	27	ne.	7
Columbus, Ohio	29.92	71	53	58	296.3	66	6,369	8.8	29	w.	20
Elkins	29.95	83	54	68	280.1	63	3,553	4.9	30	sw.	27
Lexington, Ky	29.95	73	54	....	264.0	60	7,495	10.4	34	sw.	27
Parkersburg	29.95	73	49	60	252.4	57	3,805	5.3	28	sw.	27
Pittsburgh, Pa	29.93	70	48	54	323.5	72	6,368	8.8	42	s.	20
Wytheville, Va	29.92	80	55	67	262.0	60	4,096	5.7	21	w.	27

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. 0.01 inch or more	Clear	Partly cloudy	Cloudy
1891	71.2	.....	.....	5.02	.....	.....	.....	.....	.....	.....	.....
1892	**74.1**	99	41	3.90	.....	.....	.....	.....	.....	.....	.....
1893	70.2	99	40	3.81	6.41	1.83	.....	10	13	10	7
1894	70.4	103	32	3.27	6.78	1.25	.....	8	16	10	4
1895	72.1	102	38	2.92	5.66	1.20	.....	7	15	10	5
1896	69.8	95	30	5.35	9.86	**0.11**	.....	10	8	14	8
1897	69.3	96	35	4.31	6.77	1.31	.....	10	12	12	6
1898	70.9	99	41	3.21	7.50	0.66	.....	10	14	11	5
1899	72.0	98	35	4.99	8.93	1.46	.....	11	14	9	7
1900	71.2	98	41	5.30	**15.62**	2.49	.....	13	9	12	9
1901	70.7	104	32	5.67	11.10	1.37	.....	13	12	12	6
1902	68.0	100	33	5.19	8.49	2.45	.....	12	11	13	6
1903	65.1	93	34	4.80	12.30	2.01	.....	13	8	11	11
1904	69.5	97	36	4.20	8.29	2.05	.....	13	10	13	7
1905	70.6	100	34	4.38	7.72	1.47	.....	11	13	11	6
1906	70.9	101	38	5.25	9.32	2.84	.....	14	11	12	7
1907	65.3	97	33	6.00	11.95	1.93	.....	14	10	11	9
1908	69.2	98	36	3.12	6.75	1.35	.....	9	15	10	5
1909	71.1	101	35	5.75	9.19	2.47	.....	16	9	13	8
1910	66.6	96	32	5.67	11.27	1.52	.....	13	10	10	10
1911	70.7	101	40	4.44	9.34	1.88	.....	11	14	10	6
1912	67.3	95	29	4.27	9.21	1.11	.....	11	13	10	7
1913	69.5	99	29	3.44	6.55	0.86	.....	9	18	8	4
1914	72.0	100	30	3.00	6.60	0.62	.....	8	15	11	4
1915	67.7	95	33	3.63	7.09	1.21	.....	9	15	8	7
1916	65.8	94	35	5.42	14.54	2.50	.....	12	14	8	8
1917	67.7	99	31	3.81	6.58	1.38	.....	12	14	9	7
1918	68.2	99	34	4.17	10.11	0.87	.....	8	16	7	7
1919	73.0	100	40	5.06	10.15	1.67	.....	10	16	8	6
1920	67.9	98	36	5.01	9.70	2.53	.....	12	13	7	10
1921	72.4	101	38	4.01	8.67	0.47	.....	9	15	9	6
1922	70.7	97	33	4.66	7.95	1.75	.....	11	12	9	9
1923	70.2	102	35	4.54	10.37	1.25	.....	11	16	7	7
1924	68.7	98	32	4.67	7.63	1.90	.....	13	13	8	9
1925	72.2	**109**	35	3.51	8.06	1.05	.....	9	16	8	6
1926	65.9	95	31	3.85	9.18	0.90	.....	11	13	8	9
1927	65.7	99	29	4.08	9.93	2.10	.....	11	12	8	10
1928	66.7	96	33	**7.37**	11.69	1.55	.....	19	7	9	14
1929	68.2	100	28	3.50	8.92	1.56	.....	8	16	9	5
1930	68.9	105	**27**	2.87	6.42	0.95	.....	7	17	8	5
1931	69.8	105	33	3.24	7.18	1.12	.....	9	16	9	5
1932	70.1	99	29	4.46	9.01	1.73	.....	11	14	8	8
1891–1932	69.5	109	27	4.41	15.62	0.11	.....	11	13	10	7

Climatological Data for June, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	63.6	+0.1	84	4†	30	8†	44	6.45	+0.73	1.62	0	15	20	5	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	68.8	+1.9	91	25†	32	9	49	2.50	−0.89	0.92	0	10	14	1	15	sw.	Elmer Keister
Circleville	Pendleton	.....	0	....	.....	.....	.....	.....	.....	...	4.45	.....	1.33	0	13	.....	.....	.....	.....	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	.....	.....	.....	.....	.....	.....	....	2.30	−1.37	0.99	0	8	.....	.....	.....	.....	J. C. Newcomer
Kearneysville	Jefferson	548	2	71.8	.....	94	26	40	8	40	2 31	.....	1.19	0	8	14	11	5	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}73.2	+2.4	96^{a}	25†	40	8	43^{a}	2.33	−1.95	0.90	0	11	20	8	2	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	72.0	+2.1	95	5†	38	9	52	2.68	−1.17	0.70	0	12	27	1	2	.....	M. S. Henkel
Piedmont	Mineral	1,053	19	68.7	+0.7	90	4†	29	8	41	4.13	+0.49	0.58	0	11	7	10	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{e}71.0	+1.2	94^{e}	4	38^{d}	8†	44^{g}	7.16	+3.23	1.92	0	13	13	10	7	.....	George E. Bergdoll
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	....	2.93	−1.33	0.98	0	9	8	6	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	33	^{j}64.9	.....	88^{c}	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. M. Mallow
Wardensville	Hardy	1,200	15	^{a}69.2	.....	92	17†	35^{a}	9	45^{b}	3.55	.....	1.30	0	10	10^{b}	10^{b}	8^{b}	.....	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8	.....	.....	.....	.....	.....	.....	....	2.97	.....	1.07	0	11	12	14	4	w.	L. Else Bond
Alma (near)	Tyler	800	5	.....	.....	.....	.....	.....	.....	....	4.85	.....	2.00	0	9	16	10	4	.....	D. N. Furbee
Alpena	Randolph	2,571	2	62.9	.....	84	3†	29	9	42	3.29	.....	0.87	0	10	8	20	2	.....	Christian Hertig
Benson	Harrison	1,080	8	69.3	.....	90	4†	35	9	45	3.13	.....	0.87	0	10	13	15	2	.....	John A. Clark
Bens Run	Pleasants	652	30	74.6	+4.0	95	5†	46	8	40	3.83	−0.47	2.02	0	8	17	10	3	.....	J. D. Riggs
Brownsville	Lewis	1,032	9	71.0	.....	92	6†	38	9	42	3.61	.....	1.32	0	10	19	6	5	.....	George M. Meyers
Bruceton Mills	Preston	1,549	15	.....	.....	.....	.....	.....	.....	....	3.31	−1.94	0.96	0	8	9	16	5	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	69.8	+1.4	86	5†	41	9	35	3.74	−1.31	1.20	0	7	21	4	5	.....	H. A. Darnall
Cairo	Ritchie	680	31	70.9	+0.5	91	4†	39	8†	43	3.08	−1.78	0.85	0	10	19	5	6	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	70.8	+1.7	92	20	40	9	36	6.68	+2.49	2.79	0	10	13	9	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9	.....	.....	.....	.....	.....	.....	....	3.49	.....	1.19	0	12	11	16	3	sw.	George W. Blair
Creston	Wirt	640	30	71.0	+0.4	93	5	40	8	40	6.51	+2.24	2.12	0	12	17	1	12	.....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	11	.....	.....	.....	.....	.....	.....	....	4.41	.....	1.70	0	9	.....	.....	.....	.....	Lockmaster
Dam 12 O. R.	Ohio	660	16	.....	.....	.....	.....	.....	.....	....	2.97	−0.93	0.91	0	12	.....	.....	.....	.....	Lockmaster
Dam 13 O. R.	Ohio	655	16	.....	.....	.....	.....	.....	.....	....	2 45	−1.16	0.95	0	10	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	11	.....	.....	.....	.....	.....	.....	....	3.92	.....	1.85	0	11	.....	.....	.....	.....	Lockmaster
Davis	Tucker	3,093	23	.....	.....	.....	.....	.....	.....	....	3.20	−2.21	1.48	0	9	.....	.....	.....	.....	Albert B. Williams
Elizabeth (Dam 3 L. K)	Wirt	615	20	.....	.....	.....	.....	.....	.....	....	6.19	+2.13	1.97	0	13	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,947	31	66.6	−0.3	86	20	37	9	40	3.26	−1.80	1.36	0	12	4	15	11	nw.	U. S. Weather Bureau
Fairmont	Marion	883	26	73.4	+3.3	96	4†	42	9	43	3.82	−0.60	1.96	0	9	10	17	3	w.	J. C. Robinson
Glenville	Gilmer	738	38	72.7	+1.7	94	20	38	9	45	4.68	+0.19	2.14	0	7	18	9	3	w.	Howard R. Braunon
Grafton	Taylor	1,000	39	69.8	+0.7	93	4	38	8	43	2.91	−1.59	1.30	0	8	13	5	12	.....	W. E. Clayton
Horner	Lewis	1,044	9	.....	.....	.....	.....	.....	.....	....	4.37	.....	2.00	0	10	.....	.....	.....	.....	Foster R. Hardman
Horton	Randolph	2,840	7	.....	.....	.....	.....	.....	.....	....	6.81	.....	2.00	0	17	7	3	20	w.	J. W. White
Janelew (near)	Lewis	1,020	9	70.8	.....	92	20	37	9	43	3.20	.....	1.05	0	8	19	7	4	nw.	Dau Burkholder
Lost Creek	Harrison	1,026	34	70.2	+2.4	93	5	35	9	46	4.31	−0.07	1.02	0	12	13	11	6	w.	Allen Smith
Mannington	Marion	985	29	69.0	+1.1	88	4†	38	8†	40	5.38	+1.16	1.70	0	13	11	14	5	w.	Jas. A. Morgau
Morgantown	Monongalia	1,250	39	^{a}67.4	−1.9	89	4	38^{a}	9	40^{a}	.....	.....	.....	0	.....	18^{c}	6^{c}	3^{c}	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}70.2	+2.2	90^{a}	4†	38	8	40^{a}	2.75	−1.86	0.68	0	13	11	8	11	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	73.3	+2.2	95	20	42	9	43	2.68	−1.46	1.08	0	7	14	13	3	s.	Wm. Ankrom
Parkersburg	Wood	638	45	73.1	+1.7	91	30	48	9	36	4.05	+0.05	1.28	0	12	10	12	8	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	69.6	+2.8	95	20†	34	9	45	3.72	−1.38	.....	0	6	13	9	8	.....	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	.....	.....	.....	.....	.....	.....	....	5.05	−0.05	1.07	0	11	16	10	4	.....	Robert T. Deem
Philippi	Barbour	1,550	35	.....	.....	.....	.....	.....	.....	....	2.95	−1.84	1.70	0	10	.....	.....	.....	.....	H. F. Brittiuham
Pickens	Randolph	2,697	29	65.8	−2.7	88	5	35	8	40	7.22	+1 06	2.62	0	13	17	9	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	.....	.....	.....	.....	.....	.....	....	3.43	.....	1.21	0	9	21	5	4	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	.....	.....	.....	.....	.....	.....	....	4.49	−0.51	2.33	0	8	.....	.....	.....	.....	Walter H. Bolyard
Saint Marys	Pleasants	577	23	.....	.....	.....	.....	.....	.....	....	2.81	−1.24	1.70	0	10	.....	.....	.....	.....	Wm. Hughes
Terra Alta	Preston	2,559	31	64.5	−0.2	89	4†	31	8	36	5.47	−0.82	2.80	0	13	3	9	18	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	.....	.....	.....	.....	.....	.....	....	2.70	.....	1.55	0	11	.....	.....	.....	.....	H. L. Stiles
Valley Chapel	Lewis	1,011	9	71.0	.....	90	4†	38	9	48	3.25	.....	1.26	0	13	22	0	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	.....	.....	.....	.....	.....	.....	....	3.97	.....	1.32	0	10	.....	.....	.....	.....	James B. Kelley
Wellsburg	Brooke	668	25	70.6	+2.7	96	20	34	8	52	1.73	−2.73	0.50	0	9	9	15	6	w.	George P. Pfister
West Milford	Harrison	979	7	.....	.....	.....	.....	.....	.....	....	3.91	.....	1.15	0	8	.....	.....	.....	.....	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	.....	.....	94	20	.....	.....	....	3.85	−0.85	1.60	0	11	.....	.....	.....	.....	A. Henry
Wheeling	Ohio	645	45	71.5	+1.0	96	5	36	8	52	2.68	−1.16	0.92	0	10	12	10	8	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5	.....	.....	.....	.....	.....	.....	....	2.89	.....	1.00	0	5	19	7	4	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	.....	.....	.....	.....	.....	.....	....	3.63	.....	1.40	0	15	16	7	7	nw.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}72.4	+1.8	91^{a}	22	44	9	38^{a}	5.66	+1.30	1.34	0	10	18^{a}	2^{a}	9^{a}	ne.	Charles N. Long
Beckley	Raleigh	2,440	29	68.1	−1.8	89	20	35	9	40	7.57	+3.27	3.59	0	15	12	14	4	.....	L. A. Mauck
Bluefield	Mercer	2,558	37	^{d}69.2	−0.9	88^{d}	6	43^{d}	9	35^{d}	3.31	−1.22	1.29	0	13	13^{d}	10^{d}	3^{d}	.....	Norfolk & Western Ry.
Charleston	Kanawha	600	29	75.8	+2.9	99	20	44	9	42	3.60	−0.80	1.83	0	10	17	0	13	.....	Dr. J. M. Cook
Clay	Clay	706	16	.....	.....	.....	.....	.....	.....	....	9 01	+4.69	4.72	0	12	.....	.....	.....	.....	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	.....	.....	.....	.....	.....	.....	....	4.58	.....	2.20	0	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R.	Wood	600	16	.....	.....	.....	.....	.....	.....	....	2.37	−1.63	0.95	0	11	.....	.....	.....	.....	Lockmaster
Dam 20 O. R.	Wood	600	16	.....	.....	.....	.....	.....	.....	....	2.27	−1.68	0.97	0	10	.....	.....	.....	.....	Lockmaster
Dam 26 O. R.	Mason	564	16	.....	.....	.....	.....	.....	.....	....	3.05	−0.60	1.16	0	9	.....	.....	.....	.....	U. S. Eugineers Office
Durbin	Pocahontas	.....	0	.....	.....	.....	.....	.....	.....	....	5.34	.....	2.15	0	8	.....	.....	.....	.....	Mrs. D. R. Gandinees
Gary	McDowell	1,426	16	^{a}71.3	+2.3	89	5†	44^{a}	9†	39^{a}	5.74	+0.89	1.37	0	16	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	72.6	+2.2	94	25†	45	9	41	5.79	+1.54	2.08	0	14	18	5	7	.....	Mrs. M. L. McClung
Huntington	Cabell	538	35	75.5	+2.7	94	5†	45	9	39	6.10	+1.98	2.65	0	9	11	14	5	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	13	.....	.....	.....	.....	.....	.....	....	5.19	+1.11	2.20	0	8	.....	.....	.....	.....	J. O. Brown
Kayford	Kanawha	1,335	16	.....	.....	.....	.....	.....	.....	....	7.86	+2.46	2.40	0	16	.....	.....	.....	.....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	6	.....	.....	.....	.....	.....	.....	....	5.88	.....	2.90	0	11	.....	.....	.....	.....	E. B. Kirk
Kingston	Fayette	1,481	2	.....	.....	.....	.....	.....	.....	....	7.38	.....	2.79	0	18	12	0	18	.....	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	67.4	+0.2	87	5†	39	9	42	5.53	+1.52	1.94	0	9	.....	.....	.....	.....	Rose Argabrite
Logan	Logan	700	29	.....	.....	.....	.....	.....	.....	....	7.75	+2.80	4.64	0	10	.....	.....	.....	.....	J. R. Wampler
Marlinton	Pocahontas	2,131	33	63.2	−1.1	84	5†	32	9	44	6.15	+1.34	1.54	0	13	5	21	4	sw.	S. L. Brown
Point Pleasant	Mason	595	39	74.0	+1.6	98	30	43	8†	43	3.72	−0.42	1.33	0	9	14	13	3	sw.	Miss Grace E. Hensou
Rainelle	Greenbrier	2,424	2	64.0	.....	84	26	34	10	45	8.31	.....	4.38	0	12	21	0	9	.....	H. M. Word, Jr.
Ravenswood (Dam 22)	Jackson	584	9	72.6	+2.6	92	5†	41	9	39	3.63	−0.20	1.55	0	11	18	0	12	se.	Lockmaster
Richwood	Nicholas	2,193	2	69.4	.....	91	17†	36	9	45	6.14	.....	2.56	0	12	6	0	24	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	75.4	+4.3	98	18	43	8	45	4.41	+0.57	1.55	0	11	18	0	12	.....	M. Frazier
Ryan	Roane	700	29	69.1	+0.2	90	6†	39	9	41	4.85	+0.31	1.35	0	15	11	11	8	.....	Wm E. Ryan
Sharples	Logan	889	12	.....	.....	.....	.....	.....	.....	....	5.44	+0.65	1.98	0	8	.....	.....	.....	.....	R. W. Howard
Spencer	Roane	789	28	72.0	+2.4	93	5	43	9	41	6.26	+1.90	1.83	0	12	18	4	8	.....	A. M. McKowu
Sutton	Braxton	850	26	71.1	−0.2	91	20†	38	9	42	5.20	+0.03	2.30	0	12	18	0	12	.....	C. B. Eakle
Union^{d}	Monroe	2,250	28	68.9	+1.1	90	6	39	9	44	4.24	+0.35	1.67	0	9	11	12	3	.....	W. M. H. Young
Wayne	Wayne	598	5	.....	.....	.....	.....	.....	.....	....	6.57	.....	2.09	0	11	.....	.....	.....	.....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	^{a}68.0	0	87^{a}	5†	35	9	47^{a}	4.95	+1.18	1.40	0	10	24	3	3	.....	A. P. Spence
Williamson	Mingo	673	32	74.8	+2.3	94	25	45	9	39	8.17	+3.66	3.45	0	14	13	11	6	w.	J. E. Dotson
State averages and	extremes	.....	....	70.1	+1.3	99	20	29	8†	52	4.46	+0.07	4.72	0	11	14	8	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries
Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for June, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac		.17		T.		.08						.28	1.25	.31	.21	.07	.58	.02	.10		.22		.02			.04	1.62	1.48		T.		6.45
Brandywine	do							T.				T.	.25	.05		.16	.03	.25		T.	.92	.06		T.			.05	.16	.57				2.50
Circleville	do			.32			T.	.02	.06				.11	.14	.33	.07	.33	.26				.68	T					.76	1.33	.04			4.45
Harpers Ferry ‖‖	do												.23	.10	.01		.12	.24	.56	.05	T.							T.	.99				2.30
Kearneysville	do												.41	.02	.04	.06	.56	.03										.33	.86				2.31
Martinsburg ‖‖	do						T.						.35	.25	.05		.10	.10	.28	.01			.10					.01	.90	.18			2.33
Moorefield	do		.50			.16	.03						.17	.25	.12		.35	.10	.16		.02							.12	.70				2.68
Piedmont	do				.51							.58	.20	.40			.50	.32	.41	.07			.11					.56	.47				4.13
Romney‖‖	do					.28						.37		.20	.66	.36	.37	1.48	1.05	.07	.05		.10					.25	1.92				7.16
Stony River Dam	do												.05	.86	.52		.04	.23	.09	.13								.03	.98				2.93
Upper Tract	do																																
Wardensville‖‖	do					.10							.36	.09	.19	T.	.07	.51	1.30	.09	T.			T.				.04	.80				3.55
Northern Division																																	
Aberdeen	Monongahela			.13				.23					.18	.66	.05	.13	.06	T.	.05	T.							.13	.28	1.07				2.97
Alma (near)	Ohio			.25			.07						.80	.15				1.19			.14						.02	2.00	.23				4.85
Alpena	Monongahela					.17	.35	.10				T.	.32	.42		.14	.12	T.			T.						.09	.71	.87				3.29
Benson	do							.05					.87	.22		.10	.30		.06				.04				.14	.58	.77				3.13
Bens Run	do	T.					T.	.25					.36	T.				.56		.06	.28						.10	2.02			.20		3.83
Brownsville	do			T.			T.	.12				T.	.40	.28	.02	.05	.15	.02									.25	1.00	1.32				3.61
Bruceton Mills	do			T.			T.	T.						.70	.35		.10	T	T.	.14	T.	T.		.18				.76	.12		.96		3.31
Buckhannon	do		T.				T.	.55				T.	.15	.45		.70	T.	T.		T.							.17	.52	1.20				3.74
Cairo	Little Kanawha						.08	.50					.52	.28	.02		.33	.06				.08						.85	.36				3.08
Cheat Bridge‖‖	Monongahela																																
Clarksburg‖‖	Little Kanawha			T.				.76					.60	.13	2.79	.02	.34	T.	.28			.32						.12	1.32				6.68
Crawford‖‖	do		.01				.01	.16				.02	.17	.56		.39	.02					.02					.05	.89	1.19				3.49
Creston‖‖	Monongahela			.09				1.04					.92	.03	.22	.14	.05	.10		1.10		.09						.61	2.12				6.51
Dam 10, Mon. R.‖‖	Ohio			.02									.94	.18	1.70							.10		.11			.13	.13	1.10				4.41
Dam 12, O. R.‖‖	do		.19					.15					.04	.08			.49	.91		.19		.03		.02				.28	.53		.06		2.97
Dam 13, O. R.‖‖	Monongahela		.03					.25					.10	.04			.95					.10		.10	.03			.23	.62				2.45
Dam 15, Mon. R.‖‖	do			.01				.16					1.03	.22	.31		.04				.04			.03	.02			.21	1.85				3.92
Davis ‖‖	do					.02							T.	.40	.45	.25	.10	.20	.30	T.		T.					T.	1.28	.20				3.20
Elizabeth (D'm 3 LK)	Little Kanawha			.02				1.97	.03				.35	.31	.20	.05	.04	.05		.41		.42						1.18	1.16				6.19
Elkins***	Monongahela		.32				.36	T.				.01	.20	.30		.28	.12	.01				T.	.09				.20	.90	.47				3.26
Fairmont‖‖	do			.03				.10					1.05	.09	.32		.03			T.	.02		T.		T.			.22	1.96				3.82
Glenville ‖‖	Little Kanawha						T.	.14					.60	.14	.53	T.		.52										.61	2.14				4.68
Grafton ‖‖	Monongahela						.05						.38	.40			T.	.63		T.		.05					.05	1.30	.05		T.		2.91
Horner	do			.15				.07				.10		.45	.22	.16		.77									.20	.25	2.00				4.37
Horton	do		.22			.54	.07	.04				.05	.07	.12	.19	.21	.76	.16		.04		2.00	.06				.07	.63	1.58				6.81
Janelew (near)	do							.10					.45	.35		.10	.20										.15	.80	1.05				3.20
Lost Creek	do			.03			.04	.03					.65	1.02		.03	.04	.30		T.			.06				.61	.65	.85		T.		4.31
Mannington	do			.05									1.26	.54	.02		.13	.08		.01	.21			.02			.51	1.70	.34		.51		5.38
Morgantown	do																																
New Cumberland‖‖	Ohio		.10	.10					T				.16	.03			.68	.20			.55	.05		.02			.27	.25	.30		.04		2.75
New Martinsville	do						.22	.18					.40								.10						.58	1.08			.12		2.68
Parkersburg***	do	T.			T.		1.02	.01					.10	.07		.22	.03		1.28		.53						.08	.69	.01		.01		4.05
Parsons	Monongahela					.70	.55							*		1.32	.09										1.06						3.72
Parsons No. 2	do		T.			.89	1.07						.19	.88	.11	.16	.10	.10					T.				.01	.59	.95				5.05
Philippi	do							.43					.10	.02	.22		.02		.09				.10					.16	1.70	.11			2.95
Pickens	do		.56			.34		.16				T.	.15	.45		.27	.14	.11				.05		.05			.62	1.70	2.62				7.22
Roanoke	do			.01			T.	.01					.41	.23		.05	.12			T.							.41	1.21	.98				3.43
Rowlesburg‖‖	do						.10						.18	.24	1.10			.22	.32									.33	2.00				4.49
Saint Marys‖‖	Ohio		T.			T.		.12					.40	.03	.02	T.	.01	.12		.08		.13						.20	1.70				2.81
Terra Alta	Monongahela		.02			.01	T.					.01	.31	1.70	T	.13		.15	.03			.02	.03	.02			.24	2.80	T.				5.47
Thomas ‖‖	do			.02				.03					.03	.20	1.55		.03	.50	.05			.01						.20		.08			2.70
Valley Chapel	do			T.				.07					.61	.32	.30	.01	.13	.02	.09			.10					.10	.23	1.26	.01			3.25
Vandalia	do		.06					.21					.20	.26		.26		.19			.27						.11	1.32	1.09				3.97
Wellsburg	Ohio	.18	.04				.28	T.					.08	T.		.08	.21	.29	T.		T.						.15	.42			T		1.73
West Milford	Monongahela							.12					.71	.85			.12		.51				.15					.30	1.15				3.91
Weston	do			.06				.03	.03				.26	.22	.51		.18	.03										.71	1.60	.22			3.85
Wheeling‖‖	Ohio		.19					.10					.06	T.			.08	.89		T		.05		.02				.31	.92		.06		2.68
Woodlands‖‖	do								.83				.30					.05				.07		.04	.02			.58	1.00				2.89
Southern Division																																	
Arbovale	Great Kanawha		.04		T.	T.	.08	.08				.07	.22	.55	.02	.04	.22	T.		.02	.48			.02			.19	1.40	.20				3.63
Bancroft ‖‖	do			1.34									.60	.40	.35		.46	.08		.66		.43						.30	1.04				5.66
Beckley	do						T.	.10				.20	.49	.42		T.	.20		.40	.88	.26	.11	.02	.10			.13	.46	3.59	.21			7.57
Bluefield	do						.01					.08		1.29	.13	.17	.03	.05			.38		.25	.04				.05	.82	.01			3.31
Charleston ‖‖	do			.17									.22	.29	.08		.31			.15		.10					T.	.33	1.83	.12			3.60
Clay‖‖	do							.74					.41	.19	.05		.54	.57		1.09		.07	.09					.40	4.72	.14			9.01
Dam 6 G. K ‖‖	do			.40									.55	.13	.03		.23			.33		.49						.14	2.20	.08			4.58
Dam 19 O. R. ‖‖	Ohio		.02			T.		.65	.04			T.	.06	.01	T.	.06	.11			.32		.10						.05	.95				2.37
Dam 20 O. R. ‖‖	do							.06	.06				.08	.10		.03	.23			.28		.42						.04	.97				2.27
Dam 25 O. R. ‖‖	do			.08									.02	.28			.06			.10		1.82						.32	1.58				4.26
Dam 26 O. R. ‖‖	do								.02				.13	.25			.16	.07		.55		.23						.48	1.16				3.05
Durbin	Great Kanawha						.41	.15					T.	.20	.48		.10											1.75	2.15	.10			5.34
Gary ‖‖	Big Sandy						.02	1.37	.01				.30	.73	.39	.01	.07	.04		1.01	.01			.09	.01				1.30	.37	.01		5.74
Hinton‖‖	do							.13	.03				.39	.32	1.00		.02		.01	.85		.88		.01	.02			.05	1.88	.20			5.79
Huntington	Ohio						T.	.02				T.	.51	.22			.43			.67	2.65			T.			.10	.31	1.19				6.10
Kanawha Falls‖‖	Great Kanawha		.12											1.10						.20		.30					.08	.38	2.20	.81			5.19
Kayford‖‖	do		.01					.32	.05				.48	.10	.14		.50	.02		1.00		1.07	.01	.07	.03			.45	2.40	1.21			7.86
Kermit‖‖	Big Sandy			.02			.04						.05	.95		.28	.35		.22		.68	.04						.35	2.90				5.88
Kingston	Great Kanawha						.14	.12				.15	1.30	.28	.03	.11	.02		.03	1.03	.25	.11	.21	.18			.01	.44	2.79		.18		7.38
Lewisburg	do						T.	T.				*	1.28	1.04	.11	*	.21				.95						*	1.94					5.53
Logan‖‖	Guyandotte								.03				.30	.37	.45		.18	.17		.24		.30	1.07						4.64	T.			7.75
Marlinton	Great Kanawha						T.	.24				.44	.48	.70	.12	.24	.12			.12	.49			.16			.58	.92	1.54				6.15
Point Pleasant‖‖	Ohio			.08					.04				.05	.45			.05			1.33		.30						.15	1.27				3.72
Rainelle	Meadow Creek						.28	.04				.28	.26	1.29			.12				.60	.34		.26			.02	.44	4.38				8.31
Ravenswood (Dam 22	Ohio‖‖							.05	.04				.12	.63	.17	.07	.09			.42		.28						.21	1.55				3.63
Richwood	Great Kanawha				.06			.12				.24	.62	1.01		1.05	.03			.02				.02			.24	.17	2.56				6.14
Robertsburg‖‖	do			.03									.65	.19	.64	.06	.11	.06		.32		.27						.53	1.55				4.41
Ryan	do			.23		.08	.04	.76				.02	1.20	.05			.15			.23	.09	.05		.01			.31	1.35	.28				4.85
Sharples‖‖	Coal River								.05				T.	.81	.22					1.50	.32		.45					.11	1.98				5.44
Spencer ‖‖	Great Kanawha			.05				1.83	T.				1.07	.06	.11	.02	.14	.05		.80		.13					.48	1.52					6.26
Sutton	Gauley		.10	.10					.05				.30	.20		.15	.20	.15		.75							.70	.20	2.30				5.20
Union	do						T.	.45				.19		.96		T.	T.	.12				.57	.09					.07	1.67	.12			4.24
Wayne ‖‖	Big Sandy								.05				.15	1.57		.19	.04	1.70		.58		.11			.09			.25	1.84				6.57
White Sulpr. Spgs.‖‖	Great Kanawha							.20					.55	.30	1.10		.10		.05			.50						.25	1.40	.50			4.95
Williamson‖‖	Big Sandy		T.	.02				.63	T.				.20	1.48	.18	.01	.23	.09		.58		1.17			.02			.11	3.27	.18			8.17

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for June, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	82	81	83	84	84	79	75	68	72	76	74	60	68	79	79	74	76	70	81	83	82	80	74	72	82	83	75	82	75	81	....	77.1
	Minimum	38	47	46	48	50	53	60	30	30	34	37	54	54	49	48	53	52	52	58	56	53	66	57	35	44	65	65	65	49	57	....	50.2
Brandywine	Maximum	81	85	88	90	87	88	80	81	80	78	80	81	80	89	85	84	85	82	85	89	90	89	84	80	91	90	89	87	85	91	....	85.1
	Minimum	40	43	46	49	57	56	52	34	32	35	42	55	58	61	56	60	57	56	61	60	62	61	57	41	42	57	64	67	59	56	....	52.5
Kearneysville	Maximum	85	86	85	92	93	92	84	75	81	82	79	74	69	87	86	80	81	72	69	73	87	90	86	80	93	94	90	90	84	89	....	83.6
	Minimum	49	65	56	61	62	62	67	40	45	47	49	57	57	65	62	65	60	64	59	63	65	68	65	52	53	71	69	69	63	68	....	59.9
Martinsburg‖	Maximum	90	91	91	93	93	93	86	80	86	83	83	63	72	89	87	85	83	72	70	75	92	93	85	83	96	96	90	92	89	..	....	85.6
	Minimum	49	63	56	58	63	64	70	40	46	52	54	53	57	58	63	66	60	64	60	62	63	69	72	59	53	63	70	80	65	69	....	60.7
Moorfield	Maximum	90	84	91	94	95	91	83	81	83	84	85	73	72	88	83	85	85	82	75	88	88	93	90	83	95	92	93	92	90	94	...	86.7
	Minimum	41	54	56	56	62	63	65	40	38	42	47	58	58	62	62	63	61	62	62	65	64	64	66	44	43	67	67	66	62	62	....	57.4
Piedmont	Maximum	86	83	86	90	90	86	80	71	77	80	76	70	84	76	79	84	77	73	73	79	87	86	76	76	88	89	83	87	80	87	. ..	81.3
	Minimum	47	57	57	56	59	61	64	39	40	43	46	54	55	57	58	57	59	62	60	63	64	64	55	44	47	63	67	68	57	60	....	56.1
Romney‖	Maximum	90	89	90	94	91	89	84	77	81	84	..	80	65	86	84	..	..	..	74	82	91	88	80	81	92	89	89	89	85	..	....	85.0
	Minimum	46	56	64	57	59	63	67	38	38	43	48	..	56	58	57	58	..	..	..	65	65	66	66	45	48	65	68	68	58	61	....	57.0
Upper Tract	Maximum	82	83	84	81	..	77	76	75	75	75	74	75	..	82	72	75	73	74	79	83	84	83	..	88	86	84	85	85	86	86	....	80.1
	Minimum	47	48	48	46	..	50	51	51	50	47	48	48	..	45	56	55	54	55	40	56	48	51	..	..	..	..	..	..	..	..	....	49.7
Wardensville	Maximum	86	89	85	91	89	88	83	73	80	82	75	61	75	..	85	82	92	92	79	80	89	89	79	79	90	88	89	88	83	78	....	83.4
	Minimum	43	55	49	54	59	63	64	36	35	39	45	51	56	67	52	60	56	63	59	60	64	64	66	44	45	58	64	63	58	56	....	54.9
Northern Division																																	
Alpena	Maximum	79	78	84	81	80	78	72	66	70	74	69	69	70	78	76	73	76	80	79	84	81	79	72	72	81	83	76	79	74	80	....	75.4
	Minimum	38	46	44	45	54	53	56	30	29	33	38	52	55	52	51	53	54	59	60	56	55	65	60	35	39	58	62	44	52	54	....	49.4
Bens Run	Maximum	91	93	94	94	95	92	84	77	82	84	87	72	77	88	90	83	88	91	90	95	89	92	85	85	91	92	78	88	85	93	....	87.5
	Miuimum	51	61	65	63	64	67	64	46	49	54	55	61	62	65	65	64	64	62	62	67	66	68	63	52	54	72	69	70	65	65	....	61.8
Buckhannon	Maximum	82	84	83	85	86	83	72	78	73	75	78	72	73	79	80	75	78	84	83	86	83	84	76	75	84	85	82	82	79	84	....	80.1
	Minimum	59	57	56	58	61	63	61	60	41	45	61	60	60	58	59	60	60	58	66	63	63	68	64	46	49	63	70	69	63	63	....	59.5
Cairo	Maximum	87	88	89	91	91	88	83	82	76	82	82	78	75	83	84	82	83	89	88	90	86	88	86	82	88	87	85	86	84	89	....	85.1
	Minimum	50	56	61	56	58	60	58	39	39	41	47	60	62	63	61	60	59	58	63	62	62	62	60	44	46	60	69	70	57	58	....	56.7
Clarksburg ‖	Maximum	88	90	90	91	92	88	80	73	76	83	84	69	78	80	86	80	85	89	87	92	88	85	78	78	88	90	84	86	81	88	....	81.1
	Minimum	48	56	58	55	59	61	62	44	40	43	52	58	59	60	58	60	62	59	64	63	62	65	67	45	47	59	70	68	57	63	....	57.5
Creston	Maximum	87	90	89	90	93	90	82	78	79	82	79	73	75	85	83	79	85	90	88	90	87	88	85	81	88	87	88	86	83	88	....	84.9
	Minimum	47	55	60	54	58	60	59	40	41	49	47	59	61	61	60	62	58	59	63	62	64	62	60	46	49	60	67	69	58	59	....	57.0
Elkins	Maximum	82	80	85	84	85	80	75	65	72	75	71	70	75	79	76	75	77	84	81	86	83	83	74	75	84	83	82	82	77	83	....	78.8
	Minimum	46	52	51	53	56	59	48	38	37	40	45	58	59	58	55	57	58	55	62	61	60	67	53	42	44	64	65	64	59	63	....	54.3
Fairmont‖	Maximum	92	95	95	96	95	89	85	79	83	86	87	70	78	88	88	85	88	90	92	96	92	90	83	85	93	93	78	87	85	89	....	87.7
	Minimum	51	60	64	60	62	65	61	43	42	45	51	59	59	59	61	62	63	59	61	62	64	67	63	45	50	68	72	69	59	65	...	59.1
Glenville	Maximum	90	91	93	93	92	93	90	83	81	86	85	70	77	86	85	87	86	93	93	94	90	91	89	83	92	91	88	87	86	90	....	87.8
	Miuimum	49	57	58	55	60	61	60	39	38	42	48	60	64	63	65	66	65	61	62	65	63	64	62	46	47	62	56	70	60	61	....	57.6
Grafton	Maximum	88	84	86	93	89	90	79	76	76	82	77	69	74	85	86	75	77	88	87	85	88	88	88	77	88	88	81	82	79	79	....	82.8
	Minimum	48	56	58	56	59	62	62	38	39	42	48	59	60	58	57	59	62	57	64	63	61	67	62	42	45	62	70	68	57	63	....	56.8
Lost Creek	Maximum	89	90	91	91	93	90	82	76	80	84	85	76	78	85	87	82	85	92	88	92	90	88	84	82	89	85	84	84	82	89	....	85.8
	Minimum	45	53	55	54	55	60	59	38	35	38	47	51	60	57	57	57	60	57	63	61	60	62	64	40	45	49	68	67	55	62	....	54.5
Mannington	Maximum	84	86	85	88	88	88	80	72	76	79	82	74	73	80	83	80	81	84	84	87	85	85	82	77	85	87	75	83	79	85	....	81.9
	Miuimum	47	55	62	56	58	61	58	38	38	40	46	58	60	62	59	59	60	58	63	60	60	63	61	42	45	63	69	68	57	61	.. .	56.2
Morgantown	Maximum	86	86	88	89	85	71	74	76	78	79	80	78	74	78	84	79	81	81	85	85	85	84	76	81	83	87	74	80	86	86	....	81.3
	Minimum	52	51	51	50	51	39	40	41	38	41	62	53	57	58	58	59	59	57	62	62	62	..	43	52	50	52	51	66	66	66	....	53.4
New Cumberland‖	Maximum	84	86	88	90	90	85	76	70	76	80	84	68	75	86	85	80	78	86	87	90	87	87	77	81	89	87	81	82	84	..	. .	82.8
	Minimum	50	61	58	57	63	66	58	38	40	43	48	59	58	60	57	62	62	64	63	63	63	64	63	42	49	66	72	67	55	59	....	57.7
New Martinsville	Maximum	88	92	92	90	94	91	81	74	80	83	86	79	75	87	87	83	87	91	90	95	89	91	88	84	90	89	87	84	85	89	....	86.7
	Minimum	54	59	65	65	62	66	67	43	42	54	53	59	63	64	62	60	61	61	65	62	63	65	63	45	47	67	69	69	59	63	....	59.9
Parkersburg	Maximum	87	88	88	88	90	89	80	71	78	80	81	68	73	83	82	79	86	87	87	89	88	87	81	81	90	87	87	85	85	91	....	83.9
	Minimum	59	62	63	63	63	66	58	49	48	50	59	60	64	64	67	65	62	63	66	67	66	69	66	52	54	72	69	71	64	68	....	62.3
Parsons	Maximum	89	86	91	91	92	84	84	72	78	85	76	75	83	87	84	80	81	88	89	95	89	88	82	80	90	91	95	81	87	88	....	85.4
	Minimum	45	50	52	53	57	60	51	38	34	40	45	57	57	57	56	59	59	57	61	63	59	65	57	42	44	56	60	57	60	60	....	53.7
Pickens	Maximum	85	86	86	86	88	83	87	68	74	78	70	72	72	80	84	72	78	80	83	86	83	82	79	55	85	86	78	78	76	84	....	79.5
	Minimum	48	51	50	51	56	56	50	35	36	40	47	56	58	53	55	54	54	56	61	58	56	65	55	40	45	59	63	48	54	57	....	52.2
Terra Alta	Maximum	81	81	84	85	85	80	74	67	71	75	72	58	70	77	80	72	74	69	81	84	81	80	71	69	80	82	74	80	75	79	....	76.4
	Minimum	52	51	52	53	55	59	34	31	35	44	53	52	54	49	55	53	55	56	58	55	64	57	35	50	61	65	64	50	60	66	....	52.6
Wellsburg	Maximum	87	90	91	94	94	87	80	73	80	82	88	79	75	89	89	79	86	88	92	96	90	90	80	83	94	94	80	87	87	91	....	86.5
	Minimum	46	59	54	56	57	64	54	34	35	39	42	56	60	60	52	58	56	57	61	60	60	62	59	38	42	64	70	69	52	61	....	54.6
Weston	Maximum	88	85	84	85	88	86	82	79	79	78	76	72	76	82	81	80	75	88	89	94	90	91	90	78	91	89	88	88	86	86	....	84.1
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wheeling‖	Maximum	88	94	92	95	96	95	86	76	82	86	92	70	84	90	89	80	90	90	91	95	91	94	84	84	93	94	78	91	87	91	....	88.3
	Minimum	40	57	55	71	60	61	65	36	40	49	40	57	57	58	54	54	57	60	55	60	61	60	59	40	45	60	68	65	53	53	....	54 7
Southern Division																																	
Beckley	Maximum	82	84	84	86	87	83	81	73	77	82	72	77	75	82	82	88	80	86	83	89	84	83	82	79	86	81	85	78	80	85	....	81.9
	Minimum	48	52	52	49	54	56	59	44	35	39	55	54	61	53	57	58	52	54	59	60	57	63	61	47	46	63	66	65	55	56	....	54.3
Bluefield	Maximum	80	83	81	84	..	88	81	79	78	81	78	..	79	82	78	75	81	82	.	86	83	83	83	80	86	..	86	85	79	84	....	81.7
	Minimum	50	57	54	53	..	58	59	57	43	46	59	..	50	56	59	59	55	57	..	58	59	63	66	56	51	..	68	66	58	59	....	56.8
Charleston ‖	Maximum	94	95	93	95	96	97	94	82	86	90	77	82	78	91	91	87	89	93	93	99	93	94	95	89	93	85	91	84	90	95	....	90.4
	Minimum	54	58	60	58	63	65	65	51	44	50	55	61	63	65	65	63	63	65	65	68	65	69	66	55	55	61	70	72	62	63	....	61.3
Gary ‖	Maximum	84	85	85	87	89	87	83	76	78	83	69	82	78	83	83	78	83	88	84	89	87	86	85	79	88	85	89	78	81	87	....	83.3
	Minimum	50	54	51	51	57	65	62	59	44	44	55	60	64	60	62	62	59	60	62	63	62	63	65	61	..	64	69	70	62	60	....	59.3
Hinton ‖	Maximum	87	91	89	91	91	87	87	80	84	87	67	81	77	87	82	85	84	86	88	92	90	88	85	85	94	89	94	82	85	92	. ..	86.2
	Minimum	51	55	53	54	59	64	63	54	45	46	52	59	60	63	63	62	59	63	63	64	63	63	65	57	53	55	67	69	63	60	....	58.9
Huntington	Maximum	90	90	91	90	94	94	93	79	84	84	83	79	76	88	85	84	89	92	92	91	89	91	90	89	92	90	91	89	87	92	....	88.3
	Minimum	55	60	63	62	63	65	67	51	45	49	57	60	66	64	67	64	61	64	65	68	65	70	69	54	55	74	75	72	64	66	....	62.7
Lewisburg	Maximum	82	80	83	83	87	87	85	84	75	82	75	70	75	82	83	76	80	85	84	87	82	82	82	75	83	85	82	79	85	84	....	81.5
	Minimum	50	49	51	50	51	50	52	50	39	40	52	55	60	60	60	51	54	56	55	54	60	64	60	47	46	64	63	51	52	51	....	53.2
Marlinton	Maximum	76	78	80	82	84	80	76	70	74	76	62	64	68	78	76	72	78	76	78	84	80	78	76	72	84	74	78	74	76	80	....	76.1
	Minimum	40	46	44	44	50	54	54	38	32	34	40	50	56	56	58	54	52	54	56	58	58	58	54	44	40	58	62	60	54	52	....	50.3
Point Pleasant	Maximum	92	90	94	94	96	94	91	80	86	86	83	75	80	90	86	84	88	92	92	94	92	92	90	86	92	90	89	92	90	98	....	89.3
	Miuimum	52	55	58	60	60	60	62	43	43	45	54	56	62	62	62	60	58	58	58	65	64	64	64	50	52	68	70	70	62	65	....	58.7
Rainelle	Maximum	77	81	80	79	81	79	74	70	71	79	73	74	76	79	81	72	76	79	78	83	83	78	77	74	78	84	83	70	75	82	....	77.5
	Minimum	40	45	43	43	45	50	46	42	35	34	43	52	56	57	55	55	52	57	55	56	57	60	55	44	41	58	68	66	53	51	....	50.5
Ravenswood	Maximum	88	89	88	91	92	92	86	81	80	82	82	72	77	85	85	85	87	88	89	91	87	88	89	84	90	89	89	86	85	89	....	86.2
	Minimum	50	57	60	58	61	61	60	42	41	45	54	60	64	62	66	64	60	60	65	65	65	65	63	48	51	66	68	70	59	63	....	59.1
Richwood	Maximum	82	87	86	88	86	86	82	75	76	80	87	85	74	82	85	86	91	87	89	88	91	87	87	86	88	89	86	88	81	84	....	85.0
	Minimum	46	52	54	50	44	57	58	44	36	39	47	56	55	57	62	54	54	56	54	59	56	64	57	56	58	44	65	72	56	54	....	53.9
Robertsburg‖	Maximum	95	94	90	91	94	91	92	72	83	90	84	85	76	82	79	82	92	98	96	96	92	87	93	87	95	96	95	85	94	88	....	89 1
	Minimum	50	56	56	56	60	68	62	43	52	50	50	64	65	66	69	67	64	64	63	68	66	65	67	53	59	71	73	71	70	65	....	61.8
Ryan	Maximum	87	88	88	89	88	90	88	73	80	75	75	72	68	82	80	70	84	88	85	90	88	88	85	88	87	75	80	85	80	86	...	82.7
	Minimum	46	58	54	52	57	58	58	40	39	42	50	56	60	59	60	60	55	63	60	60	61	61	58	48	46	60	65	65	57	57	.. .	55.5
Spencer ‖	Maximum	89	91	91	92	93	92	83	74	79	81	80	74	71	86	84	84	84	90	92	92	88	83	80	89	85	87	85	85	83	88	....	85.2
	Minimum	49	50	60	65	57	61	61	45	43	46	51	59	62	61	63	63	60	61	63	66	64	65	49	51	61	71	70	60	60	64	....	58.7
Sutton	Maximum	88	88	89	89	90	90	81	80	80	82	82	75	77	87	87	82	82	90	90	91	91	88	86	82	88	88	87	87	83	90	....	85.7
	Minimum	47	55	55	52	60	60	61	40	38	41	48	58	63	59	58	61	57	60	64	63	61	64	60	46	46	60	69	68	61	59	....	56.5
Union	Maximum	85	87	87	88	..	90	82	81	80	84	83	..	78	82	83	79	81	87	..	89	88	85	83	80	88	..	88	87	81	86	....	84.3
	Minimum	48	54	49	49	..	53	58	49	39	40	56	..	44	59	59	54	54	54	..	60	58	63	61	48	46	..	63	65	55	54	....	53.5
White Sulphur Spgs.	Maximum	82	86	81	86	87	84	83	76	77	84	64	70	75	84	80	78	83	85	83	86	85	86	82	78	87	84	86	82	83	..	....	81.6
	Minimum	48	50	48	48	54	58	58	48	35	37	48	53	55	60	60	57	55	57	62	63	59	62	59	48	44	59	65	67	57	55	....	54.3
Williamson‖	Maximum	89	91	91	92	93	92	89	82	85	85	72	79	82	87	84	78	88	91	90	92	91	92	89	87	94	89	93	83	88	92	....	87.7
	Minimum	53	59	59	56	62	66	65	53	48	49	57	60	65	65	64	64	64	64	65	69	64	69	69	62	55	61	71	71	62	65	....	61.9

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.205	.232	.189	.341	.221	.245	.165	.322	.234	.267	.212	.211	.039	.296	.186	.146	.121	.189	.223	.203	.234	.240	.289	.274	.257	.281	.109	.147	.234	.257	....	2.569
	Wind movement	21	31	38	28	26	29	44	97	36	39	41	41	18	13	19	22	26	18	28	22	24	44	74	53	33	53	21	48	31	44	..	1,062

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 7-28-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XL PARKERSBURG, W. VA., JULY, 1932 No. 7

GENERAL SUMMARY

The past month was slightly warmer and much wetter than usual, being the wettest July of State record since 1912, and the wettest month since October, 1929. Monthly amounts exceeding 10 inches fell over the Great Kanawha Watershed, causing serious floods in some of the smaller streams. A marked flood prevailed in Elk River on the 5-6th, causing considerable damage by flooding crops, washing away many bridges, and covering highways with 3 to 4 feet of water. Exceptionally heavy rains fell over the valleys of Armstrong and Paint creeks, in Fayette and Kanawha counties, during the night of the 10-11th, causing disastrous floods. Along a 20-mile stretch of Paint creek, about 30 miles from Charleston, W. Va., 18 persons lost their lives, many buildings were washed away, and miles of railroad damaged. On Armstrong creek, many houses were flooded and washed away, and one life lost. Property damage estimated, $1,000,000. Under favorable weather conditions crops made rapid growth, and at the close of the month were generally in excellent condition. Hay harvest was practically completed with a fair yield. Corn prospects were excellent. There was but slight damage from hail.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 73.1°. The departure from the normal for 45 stations having ten or more years of record was +0.2°. Warm weather prevailed from the 14th to the 22d, with the highest temperature occurring generally on the 20th or 21st. The temperature was moderately low from the 2d to the 5th, and from the 24th to the close of the month, with the lowest readings on the 3d and 24th.

PRECIPITATION

The average precipitation for the State, determined from 92 stations, was 6.02 inches. The departure from the normal for 65 stations having ten or more years of record was +1.56 inches. The precipitation was unusually heavy over the Great Kanawha Valley, and lightest over the extreme southern counties. The greatest monthly precipitation was 15.56 inches at Clay, and the least was 1.02 inches at Union. The greatest amount in any 24 consecutive hours was 6.22 inches at Clay on the 5th.

LIGHT HAIL

Light hail, doing practically no damage, was noted in the following counties on the dates given: Greenbrier and Preston, 7th; Pleasants, 15th; Mingo, 16th; Wood, 21st; Preston, Taylor, and Upshur, 22d; Brooke, 29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 15th and 28th; Bancroft, 29th and 31st; Bens Run, 7th, 13th, 30th, and 31st; Elkins, 7th, 12th, 15th, 19th, 24th, 25th, and 31st; Glenville, 13th, 25th, 30th, and 31st; Grafton, 29th, 30th, and 31st; Hinton, 6th and 13th; Marlinton, 5th, 7th, 11th, 12th, 13th, 18th, 19th, 23d, 25th, 28th, and 29th; Parkersburg, 7th; Terra Alta, 4th, 6th, 28th, 29th, and 30th; Wellsburg, 28th and 30th; Williamson, 12th, 13th, 25th, 28th, and 30th.

Thunderstorms (dates and number of stations reporting): 1st, 7; 2d, 6; 3d, 1; 5th, 3; 6th, 5; 7th, 9; 8th, 5; 10th, 5; 11th, 4; 14th, 2; 15th, 9; 16th, 13; 17th, 2; 21st, 6; 22d, 15; 23d, 2; 26th, 1; 27th, 12; 28th, 5; 29th, 13.

THE UNIVERSITY OF ILLINOIS
SEP 23 19

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	29.96	78	53	67	359.2	79	4,882	6.6	27	sw.	21
Columbus, Ohio	29.94	73	54	63	322.5	71	7,213	9.7	43	nw.	21
Elkins	29.96	86	58	72	282.1	62	4,002	5.4	25	w.	1
Lexington, Ky.	29.98	75	55	....	327.1	73	8,479	11.4	43	nw.	7
Parkersburg	29.97	78	54	64	278.9	62	4,323	5.8	32	nw.	7
Pittsburgh, Pa	29.93	78	48	55	336.1	73	7,084	9.5	34	s.	1
Wytheville, Va.	29.94	76	51	64	284.0	63	4,852	6.5	24	nw.	7

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	67.5	......	......	5.59	......	......	......	......	......	......	......
1892	73.4	98	41	4.20	......	......	......	9	......	......	......
1893	73.8	98	42	2.96	5.95	1.37	......	9	20	10	1
1894	73 3	100	36	2.21	4.84	0.50	......	7	10	19	2
1895	70.5	99	39	4.35	7.04	1.65	......	9	11	13	7
1896	73.3	97	46	9.07	**15.70**	2.91	......	14	9	12	**10**
1897	74.2	102	46	5.43	9.92	2.85	......	13	11	12	8
1898	75.0	103	40	4 46	8.33	1.53	......	13	12	7	12
1899	73.3	100	33	3.78	7.92	0.20	......	9	14	10	7
1900	74.7	104	41	4 38	7.88	1.72	......	13	15	11	5
1901	**77.4**	104	47	3.16	6.21	0.69	......	9	14	12	5
1902	74.2	104	45	3.54	8.42	0.96	......	8	14	12	5
1903	72.5	100	37	3.74	8.30	1.82	......	10	16	10	5
1904	71.5	97	42	3.28	6.00	1.04	......	10	14	12	5
1905	73.3	98	43	5.92	10.64	3.00	......	14	12	11	8
1906	72 4	98	45	4.54	7.40	1.50	......	12	12	11	8
1907	72.7	98	42	6.66	13.36	1.99	......	13	12	14	5
1908	74.0	100	41	5.21	9.43	2.08	......	11	14	13	4
1909	70.2	96	36	4.17	10.50	0.60	...	11	14	11	6
1910	73.8	98	41	4.92	13.16	0.54	......	11	13	12	6
1911	73.3	106	40	2.82	6.94	0.40	......	5	16	12	3
1912	72.0	100	45	7.48	15.22	2.67	......	13	12	12	7
1913	74.2	103	40	5.80	10.07	2.14	......	12	15	12	4
1914	73.1	106	38	4.11	7.74	0.98	......	7	16	10	5
1915	71.9	99	38	4 63	11.31	1.82	......	13	12	11	8
1916	74.8	102	42	3.49	9.47	1.06	......	9	16	8	7
1917	72.6	104	44	4.83	8.27	1.25	......	12	14	10	7
1918	70.3	101	38	3.18	6.90	1.04	......	8	17	7	7
1919	74.3	104	41	5.51	13.08	1.96	......	10	18	7	6
1920	70.1	99	40	4.84	8.94	2.34	......	10	16	8	7
1921	75.6	101	44	3.58	8.90	1.08	......	9	16	10	5
1922	72.9	99	43	4.53	8.05	1.33	......	11	15	8	8
1923	71.7	100	37	4.70	9.46	2.22	......	10	16	8	7
1924	70.0	99	36	4.49	7.63	1.65	......	11	16	9	6
1925	72.2	102	**31**	5.05	7.84	1.08	......	11	13	11	7
1926	72.6	107	37	4.45	8.07	0.83	......	10	15	8	8
1927	72.3	100	36	5.09	12.40	1.65	......	10	15	9	7
1928	73.5	102	35	4.23	8.97	1.10	......	11	15	10	6
1929	72.7	104	32	4.09	10.61	0.80	......	10	15	10	6
1930	74.9	**109**	34	1.90	7.02	**0.06**	......	6	21	7	3
1931	76 8	108	42	4.78	10.74	0.93	......	10	17	9	5
1932	73.1	102	40	6.02	15.56	1.02	......	12	17	8	6
1891–1932	73.0	109	31	4.55	15.70	0.06	......	10	14	11	6

Climatological Data for July, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	67.3	−0.1	88	20	40	25†	41	6.06	+1.03	1.00	0	13	22	6	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	72.2	+1.1	95	14†	44	13†	50	3.18	−0.17	1.03	0	9	26	0	5	n.	Elmer Keister
Circleville	Pendleton	...	0	...	...	...	...	...	...	...	4.54	...	1.18	0	14	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	...	...	...	...	...	...	...	2.84	−0.55	0.89	0	10	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	2	76.0	...	96	28	52	25†	36	2.84	...	1.05	0	11	16	13	2	w.	F. J. Scbneiderhan
Martinsburg	Berkeley	435	40	77.4	+1.9	100^{a}	19†	52	31	40	4.14	+0.53	1.85	0	11	27	3	1	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	76.8	+2 3	100	20†	48	25	44	3.22	−0.04	1.20	0	8	29	1	1	...	M. S. Henkel
Piedmont	Mineral	1,053	19	72.8	+0.8	97	21	48	19	43	2.36	−1.06	0.68	0	8	17	10	4	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}74.3	−0.5	98^{a}	20†	49	25†	42^{a}	2.98	−0.42	0.75	0	8	18	7	6	...	George E. Bergdoll
Stony River Dam	Grant	3,300	12	...	...	...	...	...	...	...	4.60	+0.41	1.08	0	12	6	10	15	w.	A. C. Becker
Upper Tract	Pendleton	1,230	33	...	...	89	19	...	...	...	3.80	+0.41	0.80	0	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	15	^{a}73.5	...	100^{a}	2	46^{a}	24	47^{a}	2.59	...	0.45	0	11	13^{b}	11^{b}	5^{b}	...	Reymann Memorial Farm
Northern Division																				
Aberdeeu	Upshur	1,060	8	...	...	...	...	...	...	...	4.79	...	1.31	0	11	12	15	4	w.	L. Else Bond
Alma (near)	Tyler	800	5	...	...	...	...	...	...	...	7.19	...	1.69	0	13	17	9	5	...	D. N. Furbee
Alpena	Randolph	2,571	2	66.0	...	84	14†	41	25	39	8.47	...	1.80	0	13	9	17	5	w.	Christian Hertig
Benson	Harrison	1,080	8	72.0	...	93	15	47	31	36	5.73	...	1.20	0	9	15	14	2	...	John A. Clark
Bens Run	Pleasants	652	30	76.8	+1.9	99	15	56	3	32	5.26	+0.65	1.45	0	10	20	9	2	...	J. D. Riggs
Brownsville	Lewis	1,032	9	74.2	...	95	15	47	25	40	6.52	...	2.40	0	10	17	12	2	...	George M. Meyers
Bruceton Mills	Preston	1,549	15	...	...	...	...	...	...	...	7.41	+2.38	1.20	0	10	14	14	3	w.	Mrs. Ola M. Wolfe
Buckhannou	Upshur	1,411	35	71.8	+0.1	89	20	51	31	30	7.85	+2.80	2.50	0	11	22	5	4	...	H. A. Darnall
Cairo	Ritcbie	680	31	73.6	−0.6	93	14†	48	2	37	7.70	+3.06	1.69	0	12	18	9	4	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	72.6	−0.8	94	15	51	24†	36	6.81	+3.24	1.16	0	13	15	12	4	w.	Clarksburg Water Board
Crawford	Lewis	1,107	9	...	...	...	...	...	...	...	4.94	...	2.11	0	9	19	8	4	sw.	George W. Blair
Creston	Wirt	640	30	73.8	−0.9	95	21	49	3	40	6.85	+2.66	1.68	0	12	15	5	11	...	P. M. Basnett
Dam 10 Mon. R	Marion	826	11	...	...	...	...	...	...	...	4.79	...	...	0	14	...	...	...	...	Lockmaster
Dam 12 O. R	Ohio	660	16	...	...	...	...	...	...	...	4.22	+0.58	0.73	0	13	...	...	...	...	Lockmaster
Dam 13 O. R..	Ohio	655	16	...	...	...	...	...	...	...	6.59	+2.60	1.90	0	14	...	...	...	...	Lockmaster
Dam 15 Mon. R	Monongalia	882	11	...	...	...	...	...	...	...	5.90	...	0.96	0	17	...	...	...	...	Lockmaster
Davis	Tucker	3,093	23	...	...	...	...	...	...	...	4.88	−0.33	1.00	0	14	...	...	...	...	Mrs. I. C. Bennett
Elizabeth(Dam 3 L. K)	Wirt	615	20	...	...	...	...	...	...	...	7.46	+2.99	1.60	0	12	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	31	69.5	−0.8	89	20	48	25	34	7.88	+2.50	2.01	0	14	7	15	9	w.	U. S. Weather Bureau
Fairmont	Marion	883	26	75.2	+1.2	97	20†	51	31	38	5.68	+1.23	0.96	0	17	13	15	3	w.	J. C. Robinson
Glenville	Gilmer	738	38	75.6	+0.4	97	21	50	3	38	7.04	+1.81	1.78	0	15	21	8	2	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	72.0	−0.5	93	19†	49	25	39	6.39	+1.68	1.63	0	12	17	4	10	...	W. E. Clayton
Horner	Lewis	1,044	9	...	...	...	...	...	...	...	6.87	...	2.50	0	10	...	...	...	...	Foster R. Hardman
Janelew (near)	Lewis	1,020	9	74.1	...	94	15†	47	31	38	5.15	...	1.20	0	9	20	8	3	uw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	73.0	+0.9	94	14†	47	25†	42	5.50	+0.86	1.15	0	12	19	7	5	w.	Allen Smith
Mannington	Marion	985	29	71.0	−0.7	90	20	49	24†	33	4.83	−0.01	1.50	0	16	16	12	3	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	34	^{a}73.0	+0.2	97^{a}	20†	50	30	36^{a}	4.83	+0.73	0.84	0	17	13	11	7	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	74.6	−0.5	97	21	51	24	36	5.93	+1.25	1.65	0	10	17	13	1	s.	Wm. Ankrom
Parkersburg	Wood	638	45	74.9	−0.5	97	21	55	31	33	6.42	+2.13	1.53	0	14	14	8	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	70.8	+0.2	102	20	48	25†	48	5.22	+0.15	1.35	0	9	14	10	7	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	...	...	...	...	...	...	...	5.46	+0.39	1.17	0	13	25	2	4	...	Robert T. Deem
Philippi	Barbour	1,550	35	...	...	...	...	...	...	...	5.73	+0.70	1.07	0	12	...	...	...	...	H. F. Brittinham
Pickeus	Randolph	2,697	29	67.8	−0.6	90	20	45	24†	40	7.83	+1.51	2.73	0	11	18	12	1	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	...	...	...	...	...	...	...	4.75	...	1.51	0	11	18	7	6	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	...	...	...	...	...	...	...	4.63	+0.34	0.93	0	13	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	23	...	...	...	...	...	...	...	7.56	+3.28	2.09	0	14	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	31	66.4	−1.8	86	21	41	25	36	5.16	−0.13	1.16	0	15	6	11	14	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	...	...	...	...	...	...	...	5.48	...	1.64	0	15	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	9	71.5	...	92	15†	42	30	40	6.15	...	1.16	0	11	13	12	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	...	...	...	...	...	...	...	5.14	...	1.48	0	8	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	25	72.6	+0.6	99	20†	45	24†	48	4.26	−0.08	1.13	0	8	18	8	5	...	George P. Pfister
West Milford	Harrison	979	7	...	...	...	...	...	...	...	7.05	...	2.07	0	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	74.5	+0.3	96	15	44	2	45	5.51	+0.53	1.50	0	13	9	19	3	...	A. Henry
Wheeling	Ohio	645	45	73.8	−0.8	101	20	48	12†	52^{a}	4.89	+0.42	0.82	0	11	18	8	5	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	5	...	...	...	...	...	...	...	5.28	...	1.20	0	14	24	2	5	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	...	...	...	...	...	...	...	6.41	...	3.06	0	13	21	7	3	uw.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}74.8	+0.3	94^{a}	21	52	3	33	9.09	+4.92	3.10	0	7	20^{a}	2^{a}	8^{a}	sw.	Charles N. Long
Beckley	Raleigh	2,440	29	70.6	−3.2	90	14†	46	31	38	7.22	+2.81	2.43	0	14	16	14	1	...	L. A. Mauck
Bluefield	Mercer	2,558	37	^{f}73.0	+1.5	90^{f}	20†	48^{f}	5	38^{f}	2.12	−2.29	0.44	0	12	11^{f}	14^{f}	0^{f}	...	Norfolk & Western Ry.
Charleston	Kanawha	600	29	^{e}76.8	+0.1	100^{e}	20	55	3	35^{e}	10.47	+6.26	3.70	0	13	18	0	13	...	D. J. M. Cook
Clay	Clay	706	16	...	...	...	...	...	...	...	15.56	+11.21	6.22	0	18	...	...	...	...	Chilton Wilsou
Dam 6 G. K	Kanawha	598	5	...	...	...	...	...	...	...	9.12	...	3.10	0	13	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	16	...	...	...	...	...	...	...	4.59	+0.47	1.05	0	10	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	16	...	...	...	...	...	...	...	5.44	+1.76	1.32	0	12	...	...	...	...	Lockmaster
Dam 26 O. R	Mason	564	16	...	...	...	...	...	...	...	8.55	+5.02	4.50	0	12	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	0	...	...	...	...	...	...	...	4.36	...	2.00	0	7	...	...	...	...	Mrs. D. R. Gandiuces
Gary	Mc Dowell	1,426	16	74.0	+1.4	92	20†	50	3	32	2.65	−1.44	0.70	0	17	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	75.6	+1.4	97	20	52	3	38	3.77	−0.18	2.03	0	13	22	5	4	...	Mrs. M. L. McClung
Huntington	Cabell	538	35	77.8	+1.4	98	13†	55	3†	34	7.44	+3.25	3.00	0	11	14	12	5	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	13	...	...	...	...	...	...	...	6.40	+1.58	1.63	0	12	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	16	...	...	...	...	...	...	...	9.16	+3.68	2.42	0	16	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	6	...	...	...	...	...	...	...	7.45	...	1.60	0	13	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	2	...	...	...	...	...	...	...	9.58	...	5.60	0	10	21	1	9	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	71.4	+0.5	92	11	48	30	35	3.02	−0 85	1.04	0	8	12	10	9	...	Rose Argabrite
Logan	Logan	700	29	...	...	...	...	...	...	...	6.16	+1.02	1.91	0	13	...	...	...	...	J. R. Wampler
Madison	Boone	675	31	76.1	+1.4	95	14	53	3	36	7.85	+2.70	2.46	0	11	20	6	5	...	T. A. Stout
Marlinton	Pocahontas	2,131	33	66.6	−1.0	88	20	44	31	34	6.08	+0.96	3.34	0	9	9	21	1	sw.	S. L. Brown
Point Pleasant	Mason	595	39	76.4	+0.1	98	19†	52	3†	36	7.34	+3.27	2.04	0	10	15	13	3	sw.	Miss Grace E. Henson
Rainelle	Greenbrier	2,424	2	69.0	...	89	20	41	3	37	7.66	...	1.47	0	13	24	1	6	...	H. M. Word, Jr.
Ravenswood(Dam 22).	Jackson	584	9	75.6	+1.2	95	21	52	3†	40	5.73	+1.61	1.34	0	11	10	0	21	sw.	Lockmaster
Richwood	Nicholas	2,193	2	71.5	...	94	21	46	25	39	10 25	...	4.15	0	13	15	0	16	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	76.0	+0.7	100	21	55	30	34	7.90	+4.23	4.00	0	10	20	0	11	...	M. Frazier
Ryan	Roane	700	29	71.8	−1.2	95	21	47	3	37	9.30	+4.82	3.69	0	12	16	9	6	...	Wm E. Ryan
Sharples	Logan	889	12	...	...	...	...	...	...	...	6.19	+1.23	1.85	0	10	...	...	...	...	R. W. Howard
Spencer	Roane	789	28	74.0	+0.6	94	21	52	3†	33	7.58	+3.44	1.54	0	11	14	11	6	...	A. M. McKown
Sutton	Braxton	850	26	74.6	−0.2	95	20†	50	8	35	10.60	+5.05	2.50	0	14	17	0	14	...	C. B. Eakle
Union ^{e}	Monroe	2,250	28	^{e}73.1	+1.7	94	21†	46	30	42	1.02	−2.91	0.55	0	6	13	10	3	...	W. M. H. Young
Wayne	Wayne	598	5	...	...	...	...	...	...	...	6.13	...	2.18	0	10	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	71.0	−0.4	93	21	45	3	37	2.70	−1.16	0.60	0	10	26	3	2	...	A. P. Spence
Williamson	Mingo	673	32	77.8	+1.9	97	14†	55	3	31	5.41	+1.05	1.78	0	14	17	10	4	uw.	J. E. Dotson
State averages and	extremes	...	...	73.1	+0.2	102	20	40	25†	52	6.02	+1.56	6.22	0	12	17	8	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on otherdates. †† Received too late to be included in means and summaries
Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac	.14	.42		.75		.63	.70	1.00			.11					.23		.26				.78					.29	.49	.26			6.06
Brandywine	do		.25		1.03		.62	.13									.07	.33						.10				.50		.15			3.18
Circleville	do		.45	T.	.52	1.18	.56	.12	.41			.10	.02				.18		.06			T.	T.	.04	.03				.38	.49			4.54
Harpers Ferry ‖‖	do	T.	.70		.17	.25	.10	.06	.86	.03							.60						.01	T.					.06				2.84
Kearneysville	do		.11		.46	.08	.06		.60	.03						1.05				.06	T.		.28					.07		.04			2.84
Martinsburg ‖‖	do		.05		.03	.45	.08	.12	.35								1.85						.15					.05	.96	.05			4.14
Moorefield	do		.43		.42	1.20		.02	.25								.32											.30		.28			3.22
Piedmont	do	T.	.23				.64	.24	.01	.20							.68											.18		.18			2.36
Romney‖‖	do			.47	.12	.28	.26		.75	.05							.35													.70			2.98
Stony River Dam	do		.80		.04	.47	.44	.75	.40			.04					.14						.12	.02					1.08	.30			4.60
Upper Tract	do				2.00		.70		.30																			.80					3.80
Wardensville‖‖	do		.22			.33	.37	.45	.38	.08			T.			.35	.01						.05				.10		.25				2.59
Northern Division																																	
Aberdeen	Monongahela	T.	.57		1.31	.04	.35	T.	.67			.11					.22						.48		.04			.73		.27			4.79
Alma (near)	Ohio	1.03	.02		1.69	.01	.40	.37	.06			.41					1.20					.01	.10					1.54		.35			7.19
Alpena	Monongahela		1.01		1.80	.02	1.65	.32	.06		T.	.20					.32		.82				.32	.03				1.65		.27			8.47
Benson	do		.66		.80	.12	1.20		.72								.94						.45					.47		.37			5.73
Bens Run	do	.13			1.11		.30	.37				.20				.55	.90						.09					1.16		.45			5.26
Brownsville	do		.40		2.00	.05	.36	.05	.32								.47	.10										2.40		.37			6.52
Bruceton Mills	do	.74	T.		1.00	T.	.25	.95	.35	.30		T.					.70	T.				1.20	T.				T.	1.20	T	.72			7.41
Buckhannon	do	T.	.65		2.50	.20	.37	.22	.22			.12					.22						1.05					1.65		.65			7.85
Cairo	Little Kanawha		.23		1.25	.15	.93		.80		.22	.04					1.69						.70					.85	.38	.46			7.70
Cheat Bridge‖‖	Monongahela																																
Clarksburg‖‖	Little Kanawha		1.02	T.	.75	.15	1.03	.06	.30			.18					.82						.16	.51				.58	1.16	.09			6.81
Crawford‖‖	do		.30		2.11	.07	.56	.24									.71						.28					.35		.32			4.94
Creston‖‖	Monongahela	.12			1.12	.47	.47		.52			1.68					.83						.16	.50				.13	.55	.30			6.85
Dam 10, Mon. R.‖‖	Ohio	.09	.66		.74	.62	.04	.61	.51			.05			.06		.33						.16					.25	.45	.22			4.79
Dam 12, O. R.‖‖	do	.06	.22		.39	.47	.32	.04	.50						.29		.73						.04					.01	.70	.45			4.22
Dam 13, O. R.‖‖	Monongahela	.08	.40		.45	.17	.03		.50			.06			.12		1.40						.07	.08				.03	1.30	1.90			6.59
Dam 15, Mon. R.‖‖	do	.67	.87		.78	.48	.11	.48	.96			.07			.03		.34		.08			.01	.11	.06				.20	.52	.13			5.90
Davis ‖‖	do		.65		.20	.30	1.00	1.00	.15	.10		.06	.03										.45	.10				.10	.40	.34			4.88
Elizabeth(D'm 3 LK)	Little Kanawha		.18		1.25	.08	1.25	.02	.52			.88					1.60						.51					.12	.69	.36			7.46
Elkins***	Monongahela	.82	T.		1.34	1.19	.14	.29	.29		.18	.04			.11		.30	.74				T.	.16					2.01		.27			7.88
Fairmont‖‖	do	.41	.96	T.	.80	.22	.19	.35	.33			.09			.03		.57		.12			.01	.17	.04				.62	.65	.12			5.68
Glenville ‖‖	Little Kanawha		.40	T.	.98	.49	1.06	.27	.33			.66				.03	1.78	.12					.06	.37				.04	.08	.37			7.04
Grafton ‖‖	Monongahela		.85		.89	.06	.68	.22			.07				.04		.37	.10					1.34					1.63		.14			6.39
Horner	do		.60		1.80	.12	.38	.10	.30						.37								.32					2.50		.38			6.87
Horton	do																																
Janelew (near)	do		.70		1.20		.45		.65			.10						.30					.60					.85		.30			5.15
Lost Creek	do	.03	.61		.93	T	1.15	.28	.13		.05	T.					.55					T.	.82	.30				.36		.29			5.50
Mannington	do	.41	.01		1.50	.20	.66	.35				.04			.06		.54	.16				.02	.05	.01				.75	.02	.05			4.83
Morgantown	do																																
New Cumberland‖‖	Ohio	.02	.30	T.	.64	.21	T.		.84	.02	.02	.22			.60		.75					.01	.38	.03				.31	.17	.29	.02		4.83
New Martinsville	do	1.15			.77	.44	.53	.44			.10						.70										.10	1.65		.05			5.93
Parkersburg* **	do	.14	T.	.01	1.19	.55	.01	.60	.02		1 51					.09	.02					1.21	.32				T	.27	.48				6.42
Parsons	Monongahela	.85	T.		.88	1.35	.03	.35			T							.55					.21					.77	.23				5.22
Parsons No. 2	do		.85		.88	T.	1.17	.15	.17			.09					.26		.53			.04	.18					.70	.16	.28			5.46
Philippi	do		1.07		.90	.17	1.02	.22	.41			.16					.37		.46				.16						.50	.29			5.73
Pickens	do	.34	.02		2.73		1.78	.30				.25					.50		.15				1.00					.25		.51			7.83
Roanoke	do		.27		1.51	.05	.34		.46			.16					.47	.06					.01	T.				1.13		.29			4.75
Rowlesburg‖‖	do	.04	.93		.19	.65	.28	.42	.50			.06					.06						.12					.43	.76	.19			4.63
Saint Marys‖‖	Ohio		.28		1.12	.08	.48	.02	1.03			.17					2.09	.43				.01	.05					.57	.85	.38			7.56
Terra Alta	Monongahela		.66	T.	1.16	.30	.02	.29	.74	.14		.02	.01				.27		.03			.53		T.				.41	.27	.31			5.16
Thomas ‖‖	do	.05	.96	.02	.43	.54	.50	.67	.97	.02		.10					.21						.11					.07	.65	.18			5.48
Valley Chapel	do		.76		.87	.05	.86		.90			.11					.69	.25					.17					1.16		.33			6.15
Vandalia	do	.35			1.48		.63	.32									.75						.12				1.27			.22			5.14
Wellsburg	Ohio			T.	.70		T.	.59	.11	.03					.28	T.	1.13						T.				T	.50	T.	.92			4.26
West Milford	Monongahela			.72	.90		2.07		.45			.22					.60						.67	.45				.75	.22				7.05
Weston	do	.05	.52		.26	1.50	.46	.08	.32			.11					.62	.02					.03						1.30	.24			5.51
Wheeling‖‖	Ohio	T.	.32		.51	.80	.30		.51			T.			.42		.82						.05					.01	.70	.45			4.89
Woodlands‖‖	do	.33	.56		.44	.11	.15		.48			.05			.04		1.20						.06	.38				.10	.74	.64			5.28
Southern Division																																	
Arbovale	Great Kanawha		.20		3.06	.11	.60	.14				.11			.08		.07	.17					.11	.20				1.24	.32				6.41
Bancroft ‖‖	do				1.20	3.10	1.16		1.05						.74	.04							1.80										9.09
Beckley	do	.08	.07		.30	.29	1.02	.21				2.43			.03	.19	1.76					T.	.21	.20				.25		.18			7.22
Bluefield	do		.10			.13	.30		.36			.14				.44	.04		.05				.05	.02				.37		.12			2.12
Charleston ‖‖	do		.37		1.20	3.70	1.79		.65			1.25				.15	.44	.02					.24		.23			.13	T.	.30			10.47
Clay‖‖	do		.42	.10	.16	6.22	1.42	.06	.49			1.42	.01				1.87	.06					1.47	.27	.52			.05	.20	.79	.03		15.56
Dam 6 G. K ‖‖	do		.22		.91	3.10	2.05	.03	.43		1.10					.30	.08						.50		.15			.10		.15			9.12
Dam 19 O. R. ‖‖	Ohio				1.05	.04	.50		.90			.96					.28						.22	T.				.03	.23	.38			4.59
Dam 20 O. R. ‖‖	do	.03	.25		1.32	.10	.60		.18			1.06					1.12						.25	T.				.01	.18	.34			5.44
Dam 25 O. R. ‖‖	do				1.72	.68	1.15		.33			.15					.52						.16					.10		.26			5.07
Dam 26 O. R. ‖‖	do		.04		.72	4.50	1.40	.02	1.15			.25				.03	.03						.05					.04		.32			8.55
Durbin	Great Kanawha		.45		.85	2.00			.15			.25												.05					.61				4.36
Gary ‖‖	Big Sandy		.27	.01	.11	.04	.08	.37	.24			.02	.01				.29	.31					.01	.70	.01			.07	.06		.05		2.65
Hinton‖‖	do		.02		.03	.02	.21	.11	.27			2.03				T.	.63	.07					T.	.11				.08	.11		.08		3.77
Huntington	Ohio		.40		3.00	.17	1.46	.09				.19				.47	.03						1.15					.30		.18			7.44
Kanawha Falls‖‖	Great Kanawha		.24		.29	1.37	1.63		.93							.18	.20						.27	.08	.90				.28	.03			6.40
Kayford‖‖	do		.12		.66	.36	2.42	.36	.54			2 35				.65	.10	1.07					.21		.01			.05	.15	.01	.10		9.16
Kermit‖‖	Big Sandy		.40		.60	.62	1.60	.08	.48			.42					.98	.32					.87	.47				.26			.35		7.45
Kingston	Great Kanawha				1.33	.22	.50	.66				5.60			.03	.10	.40						.35						.39				9.58
Lewisburg	do				*	.62	.27	*	.30			.54					T.	T.						1.04				.25					3.02
Logan‖‖	Guyandotte		.46		.80	.89	1.91	.09	.29			.35					.15	.20					.54	.03				.03	T.		.42		6.16
Madison	Great Kanawha		.37		2.20	.24	2.46	T.	.47			.16				.46	T.	.56					.65					.21		.07			7.85
Marlinton	do				3.34	.14	.60	.34				.42			.14								.48	T.				.38		.24			6.08
Point Pleasant‖‖	Ohio				1.26	1.28	1.44		2.04			.60					.16						.20					.08	.02	.26			7.34
Rainelle	Meadow Creek				1.10	.31	.75	.86				.52			.02	.03	1.37					.33	.63	1.47					.23	.04			7.66
Ravenswood(Dam 22	Ohio‖‖				1.20	.36	1.34		.63			1.20				T.	.02		.20				.09					.19	.13	.37			5.73
Richwood	Great Kanawha		.28		4.15	1.05	.81	.12	.34			1.34			.12	.01							.23	.93				.40		.47			10.25
Robertsburg‖‖	do		.12		.55	4.00	.92		.70			.11				.27	.25						.51							.47			7.90
Ryan	do	.62			3.69	.55	.85	.72			.10	1.08			.01		.32					.68						.02		.66			9.30
Sharples‖‖	Coal River		.15		.72	.52	1.85	T.		.38	.13	.36			T.		1.22						.48					.38					6.19
Spencer ‖‖	Great Kanawha		.14		.46	1.21	.76		.35			1.29					.49	.15					.75	T.				1.54	.44				7.58
Sutton	Gauley		.35		2.50	.30	1.25		.15			1.05			.45		1.60	.10					.15	.10	.30			1.25		1.05			10.60
Union	do		.02		T.		.10		.15			.55					.05						T.					.15		T.			1.02
Wayne‖‖	Big Sandy				1.17	2.18			.70			.32					.11	.45					56	.21	.35				.08				6.13
White Sulpr. Spgs.‖‖	Great Kanawha		.25		.05	.25	.20	.15	.60			.50					.05	.50											.15				2.70
Williamson‖‖	Big Sandy		.23		.23	.36	1.75	.03	.21			.76					.85	.40					.21	.10				.10	.03		.15		5.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for July, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	82	69	70	70	79	78	83	70	76	80	79	79	82	85	86	84	84	78	84	88	86	85	81	72	81	84	78	81	78	71	78	79.4
	Minimum	61	52	52	51	59	63	53	59	54	59	66	45	46	65	50	63	63	49	52	67	66	63	57	43	40	45	61	65	57	44	40	55.2
Brandywine	Maximum	91	78	80	75	85	90	88	85	84	91	89	90	94	95	94	93	92	90	92	94	93	95	91	90	87	92	91	92	85	83	85	88.8
	Minimum	58	55	52	56	60	66	68	57	54	49	52	47	44	54	57	55	62	52	58	62	64	68	58	48	44	55	60	55	57	47	45	55.5
Kearneysville	Maximum	92	84	81	81	80	77	89	81	85	90	88	95	94	89	81	94	93	86	95	90	92	95	95	90	88	90	89	96	92	80	88	88.4
	Minimum	69	64	57	62	59	65	64	61	63	59	71	60	70	64	65	67	66	64	60	72	72	68	66	65	52	60	61	69	64	56	52	63.5
Martinsburg‖‖	Maximum	98	78	83	81	86	76	88	95	94	94	90	89	98	96	95	89	99	90	100	91	94	99	98	85	90	93	92	100	85	82	..	90.9
	Minimum	68	65	58	63	60	59	66	68	64	63	60	60	60	74	67	65	65	65	60	70	72	72	67	59	53	60	69	69	65	59	52	63.8
Moorfield	Maximum	97	93	82	80	87	86	92	86	86	94	89	90	96	96	94	94	97	94	98	100	100	100	98	93	91	100	92	98	94	82	91	92.6
	Minimum	64	61	56	62	62	68	62	61	58	56	68	59	52	66	62	66	57	58	60	68	72	71	65	50	48	58	70	67	61	52	50	61.0
Piedmont	Maximum	91	67	75	79	81	84	89	78	82	87	85	85	89	94	91	82	91	84	91	95	97	92	92	80	86	92	84	89	84	77	84	85.7
	Minimum	63	61	55	58	60	65	61	61	57	56	65	53	54	71	56	65	68	56	48	75	72	68	64	51	49	54	65	65	62	50	49	59.9
Romney‖‖	Maximum	93	69	80	79	79	83	89	81	85	89	87	87	93	94	91	83	94	88	96	98	98	97	93	82	91	95	88	97	82	80	..	88.0
	Minimum	65	62	60	54	61	64	61	63	58	52	62	55	53	65	60	65	67	58	59	72	73	72	64	52	49	57	67	66	62	52	49	60.6
Upper Tract	Maximum	86	79	75	69	83	80	75	75	80	85	83	83	83	85	86	79	86	78	89	..	83	82	84	85	85	86	79	87	75	78	..	81.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wardensville	Maximum	82	100	70	79	78	82	82	87	88	86	88	85	85	93	91	91	92	85	95	99	96	96	..	93	88	92	89	96	97	81	82	88.3
	Minimum	57	63	56	53	61	65	60	58	52	53	69	55	49	62	58	66	57	55	65	68	69	60	..	46	54	68	64	60	63	48	48	58.7
Northern Division																																	
Alpena	Maximum	82	74	69	65	79	76	81	69	75	80	77	78	82	84	84	84	81	75	82	83	83	82	80	71	80	81	75	80	74	70	78	77.9
	Minimum	57	50	52	54	61	62	58	56	57	45	63	44	43	56	53	62	59	50	49	65	62	62	56	43	41	50	64	62	55	44	42	54.1
Bens Run	Maximum	91	79	82	77	82	88	87	80	87	90	89	88	93	96	99	92	93	91	95	97	97	96	91	85	90	92	88	90	82	81	89	88.9
	Minimum	73	59	56	64	59	71	65	66	62	61	68	58	61	72	68	65	69	64	66	71	76	69	69	57	59	62	69	65	65	57	58	64.6
Buckhannon	Maximum	84	69	78	72	78	80	83	76	78	81	80	78	81	86	87	85	84	84	85	89	87	87	85	73	80	85	82	83	78	72	77	80.9
	Minimum	68	60	52	62	63	67	65	64	66	56	67	57	55	67	65	69	71	60	60	66	71	68	65	54	50	60	68	70	68	58	51	62.7
Cairo	Maximum	88	85	85	84	79	86	86	79	83	86	85	84	89	93	93	91	90	89	87	93	93	92	88	86	86	89	87	87	86	79	83	86.8
	Minimum	64	48	59	59	59	70	63	63	55	55	65	51	54	66	67	67	69	58	60	62	69	67	65	52	52	55	66	65	63	51	50	60.3
Clarksburg ‖‖	Maximum	87	66	77	74	83	83	86	77	88	87	82	84	87	89	94	90	88	83	90	92	92	89	85	79	87	90	87	87	78	77	84	84.6
	Minimum	68	60	54	62	61	65	63	63	56	55	63	52	56	62	62	67	70	57	59	67	73	68	64	51	51	56	64	66	61	51	51	60.6
Creston	Maximum	87	81	89	77	83	85	84	80	85	88	85	84	90	93	93	92	90	88	91	94	95	91	88	82	86	89	88	90	88	80	84	87.1
	Minimum	65	60	49	62	61	68	64	63	55	56	64	53	55	65	67	66	60	59	60	63	69	68	67	52	52	56	65	65	63	52	50	60.5
Elkins	Maximum	84	66	73	71	79	78	84	73	77	83	79	79	84	86	87	85	85	78	85	89	88	86	84	73	82	86	80	83	73	71	78	80.3
	Minimum	62	54	54	57	63	66	61	61	56	52	55	49	51	64	61	67	66	60	57	65	70	66	61	50	48	53	65	67	60	49	50	58.7
Fairmont‖‖	Maximum	91	69	81	76	84	87	88	80	88	90	87	85	94	95	95	94	93	87	96	97	97	94	88	84	90	93	89	92	81	81	88	88.2
	Minimum	68	60	53	64	58	65	63	63	58	68	67	53	56	69	63	68	70	59	61	69	74	70	66	52	52	58	69	67	64	52	51	62.3
Glenville	Maximum	89	84	80	80	84	87	87	82	86	89	90	87	91	94	95	92	91	91	93	95	97	94	90	88	90	92	90	91	90	85	86	89.0
	Minimum	67	58	50	62	65	69	67	65	58	57	66	55	59	60	69	67	71	62	63	65	71	68	66	53	59	54	68	70	63	53	52	62.3
Grafton	Maximum	88	76	76	73	81	85	81	74	80	79	83	79	91	91	91	88	88	82	93	93	92	91	87	83	88	91	84	85	84	75	81	84.3
	Minimum	64	60	50	59	59	67	65	63	55	55	58	50	54	66	60	67	71	56	58	64	71	69	63	50	49	56	65	67	62	50	50	59.8
Lost Creek	Maximum	89	78	78	74	84	85	85	79	84	86	85	86	89	94	94	93	89	88	92	94	94	90	87	81	89	90	89	89	84	81	85	86.6
	Minimum	68	55	50	61	61	66	60	60	55	54	65	50	54	66	62	66	70	57	57	68	71	64	64	49	47	55	61	69	60	48	47	59.4
Mannington	Maximum	85	68	75	75	77	82	83	75	80	82	81	80	85	88	89	86	86	81	87	90	89	88	84	79	82	86	82	84	82	74	80	82.1
	Minimum	64	59	51	61	56	68	62	62	55	56	65	51	56	67	59	67	70	56	59	65	72	68	62	49	49	54	66	67	63	49	49	59.9
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland‖‖	Maximum	88	73	77	81	88	87	87	78	85	86	76	85	90	93	89	83	87	83	96	97	97	92	81	81	91	89	87	89	75	79	..	85.7
	Minimum	71	58	53	61	52	57	57	62	60	58	68	52	62	68	61	68	63	59	61	64	74	69	64	56	54	57	65	55	58	50	55	60.4
New Martinsville	Maximum	88	75	80	80	82	88	85	82	87	88	84	85	92	93	94	90	92	87	96	96	97	94	88	83	90	90	88	89	86	79	88	87.6
	Minimum	64	59	53	63	56	68	63	64	56	56	67	53	58	69	62	66	70	59	61	68	73	69	65	51	54	56	67	64	64	54	54	61.5
Parkersburg	Maximum	89	70	79	75	79	86	86	79	85	87	83	85	91	92	94	93	91	87	93	96	97	92	85	80	85	89	87	90	77	78	83	85.9
	Minimum	70	60	57	65	60	71	64	65	61	61	66	56	58	73	69	70	70	65	64	72	70	68	66	58	55	59	70	64	64	56	55	63.9
Parsons	Maximum	67	64	75	70	84	82	88	84	82	89	88	84	88	85	91	99	89	82	91	102	72	92	87	89	80	90	88	98	78	77	85	84.5
	Minimum	55	53	60	65	55	55	62	62	55	54	53	50	55	65	60	59	68	58	56	54	67	67	58	54	48	52	58	58	60	50	48	57.2
Pickens	Maximum	82	69	72	66	78	74	83	71	77	83	77	81	84	86	89	89	85	79	87	90	86	86	84	75	85	87	75	83	73	75	78	80.3
	Minimum	60	52	49	53	62	61	61	58	55	55	55	47	51	59	51	62	63	53	53	59	61	51	50	45	45	59	65	63	56	45	55	55.3
Terra Alta	Maximum	79	82	62	69	68	77	77	82	71	76	78	75	78	81	84	85	79	79	75	83	86	85	83	80	70	79	83	76	80	70	70	77.5
	Minimum	66	53	51	52	55	58	52	58	55	50	64	48	46	61	52	63	65	52	53	62	69	63	62	44	41	48	64	62	58	47	42	55.4
Wellsburg	Maximum	91	78	80	85	80	90	89	80	87	89	85	89	94	93	92	84	91	88	97	99	99	96	86	84	93	90	90	91	85	80	86	88.4
	Minimum	69	58	47	59	49	61	52	57	53	53	66	48	51	66	56	68	66	55	55	62	71	67	61	45	45	51	62	53	61	48	49	56.9
Weston	Maximum	90	89	75	78	75	82	85	84	82	86	85	84	85	95	96	95	90	87	90	95	94	94	93	89	86	92	90	86	85	79	84	87.1
	Minimum	69	44	50	62	64	70	66	65	58	55	67	54	56	68	67	68	71	60	60	68	70	69	64	53	50	58	70	71	62	58	52	61.9
Wheeling‖‖	Maximum	91	82	80	85	85	92	89	92	90	91	87	98	94	95	96	82	94	90	100	101	100	99	91	93	92	91	91	80	100	87	80	90.9
	Minimum	66	55	50	60	49	60	55	57	52	50	65	48	62	56	57	63	63	54	56	60	70	65	61	50	53	62	56	53	48	48	52	56.6
Southern Division																																	
Beckley	Maximum	84	71	76	73	86	82	84	77	81	84	82	85	85	90	89	87	87	82	89	90	89	86	85	78	85	86	84	85	84	76	82	83.4
	Minimum	64	55	47	62	64	67	60	56	54	50	62	49	51	60	62	62	62	57	52	56	63	65	65	59	47	61	66	64	60	47	46	57.9
Bluefield	Maximum	84	81	..	..	86	85	83	81	79	..	85	84	86	88	86	88	..	88	89	90	90	89	86	..	86	88	86	86	85	77	..	85.4
	Minimum	65	55	..	..	48	67	66	58	57	..	53	53	56	63	66	62	..	63	56	60	65	66	65	..	52	66	70	65	64	51	..	60.5
Charleston ‖‖	Maximum	91	75	84	74	84	87	90	86	92	93	87	92	..	..	..	..	..	96	97	100	98	94	94	83	89	94	91	94	82	82	85	89.0
	Minimum	68	65	55	60	64	68	68	62	60	60	65	59	61	63	71	70	70	68	64	67	70	70	71	66	58	61	66	73	67	59	56	64.7
Gary ‖‖	Maximum	87	72	78	79	88	82	87	79	81	86	82	86	87	91	88	91	86	86	90	92	92	90	88	79	84	90	86	89	83	78	84	85.2
	Minimum	66	61	50	62	68	71	69	59	57	55	69	61	59	62	69	65	68	65	59	62	65	67	67	63	56	58	68	67	63	57	55	62.7
Hinton ‖‖	Maximum	90	66	86	80	94	85	91	82	87	95	87	89	91	93	93	90	93	90	95	97	94	[illegible]	91	84	88	94	89	92	83	83	88	88.7
	Minimum	63	62	52	58	66	69	66	63	58	57	60	59	60	62	66	67	66	67	63	63	65	69	68	65	57	59	66	68	65	57	55	62.6
Huntington	Maximum	89	89	82	80	87	88	87	84	87	91	91	90	94	98	96	93	94	90	95	96	98	96	92	84	86	92	91	92	89	89	84	90.1
	Minimum	73	62	55	68	68	71	68	64	61	62	70	58	62	72	71	71	69	65	66	67	72	70	69	60	59	58	72	69	66	55	56	65.5
Lewisburg	Maximum	83	79	82	80	85	84	85	79	77	85	92	83	86	88	80	89	87	86	88	90	90	87	86	80	79	85	83	84	85	77	85	84.2
	Minimum	61	49	59	61	61	67	57	55	55	50	63	50	53	59	62	64	54	65	63	67	62	65	64	49	52	58	67	65	60	48	50	58.5
Marlinton	Maximum	80	64	72	66	78	76	80	72	76	80	78	80	82	84	86	82	86	80	84	88	86	84	80	74	78	84	80	82	74	72	78	78.9
	Minimum	56	56	48	54	56	62	56	54	52	48	56	46	48	56	58	62	60	54	52	54	60	60	58	52	46	56	62	60	52	46	44	54.3
Point Pleasant	Maximum	92	85	84	80	86	88	86	86	88	90	88	88	94	96	93	93	96	92	98	98	98	98	95	88	88	92	91	92	88	82	86	90.3
	Minimum	72	62	52	63	60	68	66	62	52	60	66	55	58	68	69	68	69	62	62	67	70	69	67	55	54	57	69	64	64	52	53	62.4
Rainelle	Maximum	80	70	64	67	82	81	74	78	80	84	82	84	80	87	86	81	84	86	88	89	88	85	83	74	76	84	86	83	80	77	79	80.7
	Minimum	62	56	41	59	66	64	47	58	58	65	62	47	50	55	58	62	62	64	66	68	57	63	59	55	46	54	60	62	55	46	45	57.2
Ravenswood	Maximum	88	83	79	79	83	86	86	81	86	88	88	88	92	94	92	93	92	92	91	94	95	94	93	88	85	90	89	90	93	93	84	88.7
	Minimum	72	62	52	65	63	71	64	62	57	68	65	55	57	70	67	71	68	60	61	66	70	62	68	53	53	57	68	65	64	53	52	62.6
Richwood	Maximum	87	81	86	80	86	83	82	84	77	87	86	85	85	89	88	87	90	90	91	89	94	92	93	88	83	85	88	87	85	88	84	86.5
	Minimum	62	55	65	52	68	63	63	59	54	48	63	50	50	57	56	64	59	51	54	58	55	56	54	52	46	62	54	64	58	54	47	56.5
Robertsburg‖‖	Maximum	92	75	90	76	85	90	86	78	80	84	80	82	90	98	97	95	94	78	92	92	100	87	95	83	83	85	98	98	86	83	78	87.4
	Minimum	71	65	56	68	67	67	69	64	60	64	60	58	65	71	75	70	69	64	63	67	71	68	67	58	56	59	70	67	64	55	55	64.6
Ryan	Maximum	85	75	75	75	75	75	82	80	81	88	85	85	88	90	90	90	88	90	90	94	95	93	90	83	85	85	88	90	82	78	80	84.8
	Minimum	60	55	47	60	64	66	63	57	53	60	53	51	60	54	63	66	64	63	56	63	67	67	63	52	48	55	64	64	60	56	48	58.8
Spencer ‖‖	Maximum	86	70	78	71	85	85	85	79	84	87	81	85	90	91	93	92	89	86	90	93	94	91	90	79	85	89	88	88	81	79	81	85.3
	Minimum	70	62	52	64	65	65	67	61	57	62	67	55	57	65	67	68	69	61	61	62	72	68	70	61	53	59	69	64	62	53	52	62.6
Sutton	Maximum	90	87	79	79	83	83	90	90	83	90	90	89	89	94	94	91	91	89	92	95	95	94	94	89	85	91	91	89	89	78	84	88.6
	Minimum	63	60	50	61	62	63	64	64	55	55	65	54	56	64	65	66	60	62	59	63	68	67	66	56	53	59	67	66	62	53	52	60.6
Union	Maximum	88	84	..	78	83	87	86	86	84	..	89	87	89	91	93	91	..	92	93	94	94	92	89	..	89	92	93	89	90	83	..	88.7
	Minimum	61	57	..	48	65	67	61	56	54	..	49	49	52	57	62	62	..	59	51	55	60	67	64	..	50	59	66	60	59	46	..	57.5
White Sulphur Spgs.	Maximum	87	89	65	75	76	86	83	86	82	84	86	84	84	89	90	90	89	90	87	88	93	90	89	89	81	79	87	88	89	85	81	85.2
	Minimum	60	52	45	56	60	65	59	54	55	50	59	49	53	58	64	62	62	64	53	56	60	64	63	60	48	54	62	63	59	48	47	56.9
Williamson‖‖	Maximum	89	74	85	77	93	85	90	85	88	92	91	89	93	97	94	94	93	90	95	97	96	92	90	84	88	93	91	93	83	83	87	89.4
	Minimum	69	63	55	65	68	71	71	63	62	62	68	63	65	67	74	68	72	71	65	68	71	69	70	65	59	62	69	70	69	59	57	66.1

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.198	.358	.121	.175	.133	.113	.126	.240	.195	.255	.165	.270	.160	.235	.145	.360	.183	.279	.190	.268	.288	.079	.262	.312	.189	.246	.222	.846	.274	.245	.202	7.334
	Wind movement	45	75	91	61	38	20	29	57	79	38	35	46	13	38	32	37	22	47	32	39	40	57	36	58	34	25	32	22	55	58	35	1,326

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 8-27-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XL   PARKERSBURG, W. VA., AUGUST, 1932   No. 8

GENERAL SUMMARY

August was somewhat warm and unusually dry, with an abundance of sunshine. The average number of clear days, 20, was the greatest of August State record. The rainfall occurred mostly in the form of thundershowers, and was unfavorably distributed. Moderately cool weather for the season prevailed from the 19th to the 22d, with the lowest readings on the mornings of the 20th and 21st. The warmest weather of the summer occurred on the last day of the month, with maximum temperatures near or slightly above 100 degrees. Showers occurred frequently during the first few days of the month, and again on the 11th and 12th, but the amounts received were mostly light and unimportant. Heavy to excessive rains occurred generally throughout the State on the 18th and 19th. Exceptionally dry weather prevailed after the 19th, and there were many stations having 10 to 12 days without measurable rain. On account of the warm, dry weather, the month was unfavorable for growth and farm work. Early corn was being cut with yield fair to good. Pastures and meadows were short and making slow growth. Fall plowing was retarded by dry soil. At the close of the month springs and watering places were dry in many localities in the southern and eastern counties.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 72.1°. The departure from the normal for 45 stations having ten or more years of record was +0.7°. The temperature was somewhat below the normal on the 1st and 2d, 11th to the 15th, and from the 19th to the 22d, and above the normal from the 4th to the 10th, and from the 24th to the 31st. The highest monthy mean was 77.6° at Charleston and the lowest was 64.6° at Alpena and Terra Alta. The highest temperature was 104° at Charleston and Moorefield on the 31st, and the lowest was 38° at Bayard and Terra Alta on the 20th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 3.04 inches. The departure from the normal for 64 stations having ten or more years of record was −1.13 inches. The greatest monthly precipitation was 6.57 inches at Davis, and the least was 0.35 inch at Bancroft. The greatest amount in any 24 consecutive hours was 3.68 inches at Woodlands on the 18th. The average number of days with .01 inch or more of precipitation was 6.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 18th, 19th, and 20th; Arbovale, 6th; Bancroft, 5th, 14th, 15th, 21st, 22d, and 24th; Bens Run, 14th, 20th, 24th, and 25th; Buckhannon, 12th; Elkins, 1st, 7th, 9th, 11th, 12th, 14th, 15th, 16th, 21st to the 26th, and 31st; Glenville, 1st, 6th, 16th, 20th, 22d, 23d, 25th, 30th, and 31st; Hinton, 9th, 23d, and 29th; Marlinton, 7th, 13th, 15th, 17th, 19th to the 26th, and 31st; New Cumberland, 8th, 15th, and 22d; Terra Alta, 12th and 14th; Wellsburg, 11th, 12th, 13th, and 21st; Williamson, 5th, 9th, 15th, 20th, and 29th.

Solar eclipse observed during the afternoon of the 31st.

Thunderstorms (dates and number of stations reporting): 1st, 4; 3d, 6; 4th, 2; 5th, 1; 7th, 3; 10th, 6; 11th, 6; 12th, 1; 18th, 4; 19th, 1; 26th, 1; 29th, 2; 30th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.01	81	51	59	326.1	77	4,158	5.6	20	sw.	2
Columbus, Ohio	30.00	70	45	50	314.9	74	6,103	8.2	31	sw.	26
Elkins	30.06	94	51	79	277.1	65	2,864	3.8	18	w.	3
Lexington, Ky	30.03	79	61	....	289.7	69	7,256	9.8	30	nw.	28
Parkersburg	30.04	76	49	59	295.9	70	3,492	4.7	18	nw.	18
Pittsburgh, Pa	30.02	75	43	48	331.0	78	5,661	7.6	28	nw.	8
Wytheville, Va	30.01	82	52	67	234.0	56	3,435	4.6	15	n.	28

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	69.8	......	......	5.48	......	......	......	......	......	......	......
1892	72.1	96	41	2.55	......	......	......	7	......	......	......
1893	70.8	98	41	3.38	......	......	......	......	......	......	......
1894	71.5	103	38	2.07	5.15	0.27	......	6	14	12	5
1895	73.3	104	40	3.01	7.69	1.15	......	8	15	11	5
1896	72.6	97	40	2.82	5.69	0.88	......	7	15	12	4
1897	70.9	100	42	2.91	5.93	0.77	......	9	13	14	4
1898	73.7	96	44	7.51	11.57	4.40	......	12	12	12	7
1899	73.5	100	34	2.64	6.37	0.34	......	6	15	11	5
1900	**76.0**	100	45	3.15	7.20	1.03	......	8	17	10	4
1901	73.6	98	43	5.14	13.70	1.64	......	12	10	13	8
1902	70.4	98	35	2.40	6.05	0.97	......	7	15	13	3
1903	71.4	105	38	2.64	5.85	0.99	......	8	12	13	6
1904	70.7	95	32	2.88	6.71	0.67	......	9	15	10	6
1905	71.3	96	40	4.25	8.32	1.32	......	9	14	11	6
1906	75.4	98	47	5.15	10.72	2.18	......	13	10	13	8
1907	69.4	93	41	4.64	10.12	1.55	......	11	13	10	8
1908	70.9	101	37	2.82	5.63	0.84	......	7	15	10	6
1909	70.8	99	37	3.03	5.79	0.81	......	6	16	10	5
1910	70.8	98	39	2.03	5.58	0.70	......	5	17	10	4
1911	73.5	105	40	6.71	12.14	2.38	......	12	13	10	8
1912	69.3	95	35	3.64	11.70	0.25	......	11	10	13	8
1913	72.7	102	37	3.18	8.20	0.79	......	6	19	7	5
1914	71.8	100	40	4.86	9.29	1.38	......	10	15	9	7
1915	69.4	99	36	4.84	8.36	2.46	......	14	10	11	10
1916	72.9	104	40	4.76	15.35	1.46	......	10	14	9	8
1917	71.6	102	39	3.53	8.80	0.94	......	8	17	8	6
1918	**76.0**	110	43	3.96	9.15	0.63	......	9	17	8	6
1919	70.2	100	40	4.54	8.67	0.95	......	11	16	9	6
1920	71.1	95	42	4.27	9.28	1.69	......	14	9	10	12
1921	69.7	98	37	5.20	9.46	2.13	......	9	16	8	7
1922	68.9	98	31	3.87	7.51	1.20	......	10	14	9	8
1923	71.0	99	33	4.39	12.42	1.60	......	10	15	8	8
1924	71.7	104	34	4.63	9.34	0.69	......	9	18	8	5
1925	70.7	100	33	1.86	4.92	0.20	......	7	18	8	5
1926	74.0	105	38	6.94	**15.36**	2.95	......	13	13	7	11
1927	**67.1**	94	34	4.33	8.03	1.34	......	11	12	9	10
1928	74.0	103	39	5.36	8.43	1.85	......	14	11	8	12
1929	69.1	101	33	3.31	5.75	**0.14**	......	7	16	8	7
1930	70.7	**112**	**30**	2.20	5.07	0.70	......	8	15	8	8
1931	71.6	102	39	6.38	10.63	1.62	......	14	11	9	11
1932	72.1	104	38	3.04	6.57	0.35	......	6	20	7	4
1891–1932	71.6	112	30	3.96	15.36	0.14	......	9	14	10	7

Climatological Data for August, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	65.6	−0.2	91	31	38	20†	43	3.09	−1.95	1.96	0	5	27	3	1	sw.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	71.2	+1.3	100	31	44	14†	46	1.45	−1.68	0.50	0	4	28	0	3	n.	Elmer Keister
Circleville	Pendleton		0								3.04		1.03	0	7					Moses R. Bennett
Harpers Ferry	Jefferson	244	43								1.64	−2.15	0.98	0	5					J. C. Newcomer
Kearneysville	Jefferson	548	2	75.1		101	31	49	21	38	2.09		1.12	0	6	20	9	2	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}75.5	+2.6	101^{a}	6	50	22	42^{a}	1.90	−1.87	0.85	0	5	26	5	0	se.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	75.6	+2.2	104	31	42	25	52	2.36	−0.69	1.82	0	3	29	2	0		M. S. Henkel
Piedmont	Mineral	1,053	19	72.0	+1.7	98	31	46	21	44	3.02	−0.37	1.36	0	5	16	12	3	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}74.6	+2.0	100^{a}	31	46	21	43^{a}	1.55	−2.12	1.15	0	4	22	4	5		George E. Bergdoll
Stony River Dam	Grant	3,300	12								4.35	−0.24	1.33	0	7	16	6	9	w.	A. C. Becker
Upper Tract	Pendleton	1,230	33	^{g}69.5	−0.7	94^{c}	30†	47^{g}	21	43^{g}	1.84	−1.35	1.04	0	3					J. M. Mallow
Wardensville	Hardy	1,200	15	^{b}71.8		99^{b}	30	44^{a}	13†	46^{c}	1.61		0.55	0	6	18^{c}	6^{c}	4^{c}		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8								2.96		1.34	0	5	18	10	3	w.	L. Else Bond
Alma (near)	Tyler	800	5								3.16		2.08	0	6	17	11	3		D. N. Furbee
Alpena	Randolph	2,571	2	64.6		87	31	40	14	39	6.11		2.73	0	8	15	14	2		Christian Hertig
Beuson	Harrison	1,080	8	70.2		95	31	45	20†	39	4.41		2.14	0	5	19	12	0		John A. Clark
Beus Run	Pleasants	652	30	76.3	+2.9	101	31	52	20	34	3.64	−0.62	2.85	0	4	23	8	0		J. D. Riggs
Brownsville	Lewis	1,032	9	72.0		98	31	46	20	41	2.40		1.23	0	5	25	6	0		George M. Meyers
Bruceton Mills	Preston	1,549	15								2.90	−1.93	1.90	0	4	16	12	3	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	70.4	+0.5	90	31	50	20	29	3.80	−0.25	1.73	0	5	24	4	3		H. A. Darnall
Cairo	Ritchie	680	31	71.8	−0.7	99	31	45	20†	43	3.38	−0.43	1.80	0	4	20	10	1		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	71.5	−0.5	97	31	46	20	44	3.01	−1.15	1.33	0	7	19	7	5	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9								3.54		1.49	0	7	19	10	2	w.	George W. Blair
Creston	Wirt	640	30	72.6	−0.6	100	31	45	21	41	2.42	−1.47	1.20	0	5	21	5	5		P. M. Basnett
Dam 10 Mon. R.	Marion	826	11								3.69		1.93	0	7					Lockmaster
Dam 12 O. R.	Ohio	660	16								3.03	−0.96	1.76	0	8					Lockmaster
Dam 13 O. R.	Ohio	655	16								4.18	+0.23	1.95	0	8					Lockmaster
Dam 15 Mon. R.	Monongalia	882	11								3.66		2.26	0	8					Lockmaster
Davis	Tucker	3,093	23								6.57	+1.64	3.10	0	8					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K)	Wirt	615	20								1.96	−2.59	1.28	0	5					Lockmaster
Elkins	Randolph	1,947	31	68.5	−0.6	92	31	48	14	34	5.01	+1.15	2.42	0	7	13	10	8	nw.	U. S. Weather Bureau
Fairmont	Marion	883	26	74.7	+2.2	100	31	47	21	41	3.82	+0.09	2.23	0	8	18	8	5	w.	J. C. Robinson
Glenville	Gilmer	738	38	73.6	−0.3	100	31	49	20	44	2.85	−1.22	2.06	0	5	22	7	2	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	71.4	0	94	30†	47	20	39	3.46	−0.49	1.78	0	5	24	1	6		W. E. Clayton
Horner	Lewis	1,044	9								3.17		1.30	0	4					Foster R. Hardman
Janelew (near)	Lewis	1,020	9	72.3		97	31	45	20	40	2.70		1.20	0	5	21	7	3	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	71.8	+1.1	99	31	44	20	44	3.50	−0.60	1.68	0	6	19	7	5	w.	Allen Smith
Mannington	Marion	985	29	69.2	−1.0	92	31	44	20†	35	3.45	−0.63	2.16	0	9	19	9	3	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	70.0	−2.0	95	31	44	21	39	3.54	−0.58	2.12	0	7	19	7	5	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}72.0	+1.3	95^{a}	30	48	21	38^{a}	1.22	−2.14	0.63	0	9	12	12	7	n.	C. H. Hesse
New Martinsville	Wetzel	634	38	74.2	+0.6	100	31	49	20	40	4.51	+0.94	3.62	0	5	21	7	3	s.	Wm. Aukrom
Parkersburg	Wood	638	45	74.1	+0.2	97	31	52	20	45	2.49	−1.02	1.54	0	6	17	8	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	71.6	+2.3	96	31	48	19†	41	3.53	−0.45	2.80	0	4	17	12	2		J. W. Swisher
Parsons No. 2	Tucker	1,649	6								4.43	+0.45	2.76	0	9	23	5	3		Robert T. Deem
Philippi	Barbour	1,550	35								4.48	+0.38	1.61	0	8					H. F. Brittinham
Pickens	Randolph	2,697	29	^{c}68.0	+1.5	94^{a}	31	45^{a}	20	39^{a}	4.83	−0.56	1.58	0	8	23	7	1	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9								2.25		0.95	0	5	25	3	3		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45								3.31	−0.84	1.09	0	7					Walter H. Bolyard
Saint Marys	Pleasants	577	23								4.49	−0.09	2.94	0	4					Wm. Hughes
Terra Alta	Preston	2,559	31	64.6	−2.3	86	31	38	20	55	3.33	−1.69	1.49	0	7	12	4	15	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3								3.73		2.68	0	7					H. L. Stiles
Valley Chapel	Lewis	1,011	9	72.6		95	31	48	20	38	2.46		1.31	0	4	23	0	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	9								3.37		1.35	0	6					James B. Kelley
Wellsburg	Brooke	668	25	72.0	+1.8	100	31	42	20	45	2.17	−1.59	1.41	0	5	16	15	0		George P. Pfister
West Milford	Harrison	979	7								3.95		2.00	0	4					Miss Dicie E. Wagner
Weston	Lewis	1,026	37	73.6	+1.0	98	31	49	20	38	2.77	−1.19	0.96	0	6	10	20	1		A. Henry
Wheeling	Ohio	645	45	^{c}73.2	+0.4	103	31	44^{c}	20	47^{c}	3.40	−0.16	1.76	0	8	15	13	3	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5								6.41		3.68	0	9	25	4	2	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6								2.31		0.90	0	7	25	2	4	w.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}74.0	+1.0	93^{a}	15†	50	20†	37^{a}	0.35	−4.03	0.25	0	2	24	0	7	sw.	Charles N. Long
Beckley	Raleigh	2,440	29	70.4	−1.8	94	31	49	20†	36	4.01	+0.68	1.24	0	9	17	11	3		L. A. Mauck
Bluefield ^{f}	Mercer	2,558	37	71.8	+1.3	93	31	50	20	34	3.94	−0.09	1.43	0	11	8	12	5		Norfolk & Western Ry.
Charleston	Kanawha	600	29	77.6	+2.4	104	31	55	20†	34	3.10	−1.38	0.99	0	7	18	3	10		D. J. M. Cook
Clay	Clay	706	16								1.77	−2.86	0.67	0	9					Chilton Wilson
Dam 6 G. K	Kanawha	598	5								3.21		1.12	0	7					Lockmaster
Dam 19 O. R.	Wood	600	16								4.07	+0.04	2.78	0	8					Lockmaster
Dam 20 O. R.	Wood	600	16								1.93	−2.37	0.70	0	6					Lockmaster
Dam 26 O. R.	Mason	564	16								1.91	−1.53	0.90	0	6					U. S. Engineers Office
Durbin	Pocahontas	2,724	0								2.85		1.42	0	4					Mrs. D. R. Gandinees
Gary	McDowell	1,426	16	73.6	+1.8	98	31	51	24†	37	2.89	−1.92	1.45	0	11					U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	^{a}75.4	+2.2	98^{a}	30	53	25	38^{a}	2.31	−1.60	0.77	0	7	25	1	5		Mrs. M. L. McClung
Huntington	Cabell	538	35	76.8	+2.2	100	31	50	21	40	1.42	−2.35	0.76	0	5	14	15	2	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	13								2.47	−2.18	0.72	0	6					J. O. Brown
Kayford	Kanawha	1,335	16								5.15	−0.05	1.53	0	7					Cabin Creek. Con Coal Co
Kermit	Mingo	579	6								3.44		1.50	0	5					E. B. Kirk
Kingston	Fayette	1,481	2								5.20		1.56	0	5	26	0	5		Claud J Wriston
Lewisburg	Greenbrier	2,250	32																	Rose Argabrite
Logan	Logan	700	29								1.85	−2.18	0.53	0	6					J. R. Wampler
Madison	Boone	675	31	^{a}75.5	+1.2	99^{a}	30	54	19	34^{a}	2.98	−0.90	1.00	0	5	20	8	3		T. A. Stout
Marlinton	Pocahontas	2,131	33	65.8	−0.5	90	31	44	15†	38	3.64	−1.25	1.04	0	8	9	19	3	sw.	S. L. Brown
Point Pleasant	Mason	595	39	74.8	0	99	30†	48	20†	38	1.12	−2.22	0.53	0	4	20	10	1	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	2	67.6		93	31	44	24	40	3.37		1.43	0	9	20	4	7		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	9	74.0	+1.3	99	31	48	22	39	1.16	−2.58	0.48	0	4	20	0	11	se.	Lockmaster
Richwood	Nicholas	2,193	2	71.0		94	30	44	13	46	2.60		0.78	0	12	10	0	21	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	75.2	+1.3	102	31	46	21	47	0.65	−2.83	0.37	0	7	24	0	7		M. Frazier
Ryan	Roane	700	29	71.6	−0.1	99	31	44	20†	41	0.97	−3.09	0.57	0	7	22	5	4		Wm E. Ryan
Sharples	Logan	889	12								1.56	−3.13	0.58	0	3					R. W. Howard
Spencer	Roane	789	28	73.6	+1.4	101	31	50	20†	40	2.57	−1.18	0.71	0	7	22	9	0		A. M. McKown
Sutton	Braxton	850	26	73.7	+0.4	98	31	51	20†	38	3.15	−1.20	1.35	0	6	25	0	6		C. B. Eakle
Union ^{d}††	Monroe	2,250	28	71.5	+1.3	99	31	49	9†	40	2.37	−1.45	0.55	0	9	11	11	5		W. M. H. Young
Wayne	Wayne	598	5								2.09		1.23	0	7					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	68.8	−1.6	92	31	46	24	37	2.00	−1.58	0.50	0	7	25	1	5		A. P. Spence
Williamson	Mingo	673	32	76.2	+1.5	97	31	56	25	32	3.35	−0.51	2.06	0	9	19	7	5	nw.	J. E. Dotson
State averages and	extremes			72.1	+0.7	104	31	38	20†	52	3.04	−1.13	3.68	0	6	20	7	4	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record. but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac	.07	T.	.52					.29		.25						T.	1.96															3.09
Brandywine	do		.42									.50						.08	.45														1.45
Circleville	do		.50	.10			.12		T.			1.03							.78	.47											.04		3.04
Harpers Ferry ‖‖	do				.45							.19							.23	.75										.02			1.64
Kearneysville	do			.55							.23	.04							1.12	.08										.07			2.09
Martinsburg ‖‖	do			T.	.50						.15								.25	.85											.15		1.90
Moorefield	do			.16								.38							1.82														2.36
Piedmont	do	.22		.83				.17				.44							1.36														3.02
Romney‖‖	do		.10		.25							.05							1.15														1.55
Stony River Dam	do		.05	.80	.17							.68							1.10	1.33											.22		4.35
Upper Tract	do	.40				T.						.40							1.04														1.84
Wardensville‖‖	do		.25	T.	.14							.40							.55	.25											.02		1.61
Northern Division																																	
Aberdeen	Monongahela	.15	.29	.78								.40							1.34											T.			2.96
Alma (near)	Ohio		.13	.52								.38							2.08								.04	.01					3.16
Alpena	Monongahela	.21	.45	1.15							.09	.42							2.73	.64										.42			6.11
Benson	do		.65	1.20				.05				.32							2.14														4.41
Bens Run	do		.19	.27								.33							2.85														3.64
Brownsville	do		.14	.63								.30						.10	1.23														2.40
Bruceton Mills	do			.55				.08			.37							T.	1.90										T	T.			2.90
Buckhannon	do	.55	.22	.90		T.		.40			T.	T.						T.	1.73														3.80
Cairo	Little Kanawha		.38	1.42								.83							.75														3.38
Cheat Bridge‖‖	Monongahela																																.....
Clarksburg‖‖	Little Kanawha		.24	.80					.04			.56							1.04	.29										.04			3.01
Crawford‖‖	do	.35	.37	.44		.01						.87							1.49										.01				3.54
Creston‖‖	Monongahela		.49	1.20								.10							.58	.05													2.42
Dam 10, Mon. R.‖‖	Ohio			.02	.51				.04			1.11							1.81	.12										.08			3.69
Dam 12, O. R.‖‖	do			.02	.07							.18							1.76	.45								.05	.16		.34		3.03
Dam 13, O. R.‖‖	Monongahela		.05	.06	.15							.98							1.95									.47	.32		.20		4.18
Dam 15, Mon. R.‖‖	do		.28	.11	.43							.48							2.15	.11								.02		.08			3.66
Davis ‖‖	do		.30	1.80	.40				.31			.56							2.00	1.10										.10			6.57
Elizabeth (D'm 3 LK)	Little Kanawha			1.28								.16							.44	.05										.03			1.96
Elkins***	Monongahela	.29	.35	.96		T.		T.			.90	.01							2.42									T.	T.	.08			5.01
Fairmont‖‖	do		.25	.51	.12							.61							2.13	.10										.03	.07		3.82
Glenville ‖‖	Little Kanawha		.07	.26								2.06							.35	.11													2.85
Grafton ‖‖	Monongahela		.10	1.02								.36							1.78									T		.20			3.46
Horner	do		.25	.85								.77							1.30														3.17
Horton	do																																.....
Janelew (near)	do	.25	.30	.65								.30							1.20														2.70
Lost Creek	do	.74	.04	.65		T.		.11				.28					T.	T.	1.68										T.	T.			3.50
Mannington	do	.10	.02	.37				.10			.01	.59							2.16								T.	.03		.07			3.45
Morgantown	do		.22	.30	.15			.05	T.		.45	.25							2.12									T.	T.				3.54
New Cumberland‖‖	Ohio			.02	.09				.02	.02		.06							.63	.02								.34	T.	T.	.02		1.22
New Martinsville	do		.10	.18								.52							3.62									.09					4.51
Parkersburg* **	do		.20	.48							.26							.08	1.46								.01		T.	T			2.49
Parsons	Monongahela	T.						.20			.23							T.	2.80											.30			3.53
Parsons No. 2	do	.03	.15	.65				.31	.11			.25						.01	2.75											.17			4.43
Philippi	do		.40	.42	.12				.66			.62							1.61	.46										.19			4.48
Pickens	do	.62	.29	.51		.19		T.	.21		.18	1.25							1.58														4.83
Roanoke	do		.20	.36								.46							.95										.28	T.			2.25
Rowlesburg‖‖	do			.06	.64							.27							1.09	1.05										.02	.18		3.31
Saint Marys‖‖	Ohio			.88								.65							2.94									T.	.02		T.		4.49
Terra Alta	Monongahela		T.	T.	1.10				.13			.32							1.49	.15								T.	T.	.01	.13		3.33
Thomas ‖‖	do			.20	.15				.10			.35							2.00	.68										.25			3.73
Valley Chapel	do		.05	.68								.42							1.31														2.46
Vandalia	do	.43	.19	.60								.60							1.35									.20					3.37
Wellsburg	Ohio			.06				T.		T.	.20	T.							1.41	T.							.48	.02	T.	T.			2.17
West Milford	Monongahela	.25		.95								.75							2.00														3.95
Weston	do		.47	.16	.96							.18							.54	.46													2.77
Wheeling‖‖	Ohio			.03	.07							.37							1.76	.45							T.	.03	.44		.25		3.40
Woodlands‖‖	do		.05	.10	.06							2.00							3.68	.10								.35	.04	.03			6.41
Southern Division																																	
Arbovale	Great Kanawha	.46	.42	.05		T.		T.			T.	.45					T.	.02	.90									.01					2.31
Bancroft ‖‖	do			.25								.10																					0.35
Beckley	do	.95	.90	.03				.15				1.24	.05				T.	.07	.58	.04													4.01
Bluefield	do	.18	1.43	.14	.84	.82			.04			.02	.01					.04	.16											.26			3.94
Charleston ‖‖	do		.05	.25	.72				.23				.99						.35	.51									T.				3.10
Clay‖‖	do		.28	.22	.67				.06				.03						.35	.10											.04	.02	1.77
Dam 6 G. K ‖‖	do			.05	.27	1.12				.07			1.08							.29	.33												3.21
Dam 19 O. R. ‖‖	Ohio			.66	T.							.26							2.78	.15								.03	.05	.02	.12		4.07
Dam 20 O. R. ‖‖	do			.70	T.	.10						T.							.60	.45								.06		T.	.02		1.93
Dam 25 O. R. ‖‖	do			.77															.54	.04								.08					1.43
Dam 26 O. R. ‖‖	do		.25	.90								.20	.04						.30	.22													1.91
Durbin	Great Kanawha		.17									1.42							.81	.45													2.85
Gary ‖‖	Big Sandy		.32	1.45	.35		.16		.14	.01		.03	.04						.08	.29												.02	2.89
Hinton‖‖	do		.44	.33					.12			.39	.69						.31	.03													2.31
Huntington	Ohio		.18	.39								.75	.01				T.		.09														1.42
Kanawha Falls‖‖	Great Kanawha			.72	.53				.16				.28						.70	.08													2.47
Kayford‖‖	do		.11	1.03					.82			.13	1.53						.53	1.00													5.15
Kermit‖‖	Big Sandy			.88	.18								1.50						.80	.08													3.44
Kingston	Great Kanawha	.98	.67	.50								1.56							1.49														5.20
Lewisburg	do																																.....
Logan‖‖	Guyandotte		.53	.25					.48				.23						.18	.18													1.85
Madison	Great Kanawha		1.00	T.				.37				.86	T.					.36	.39										T.				2.98
Marlinton	do	.66	.35			.54		.03			T.	.78					.20	.04	1.04														3.64
Point Pleasant‖‖	Ohio		.05	.44									T.						.53									.10					1.12
Rainelle	Meadow Creek	.10	.68			.27	T.	.11	T.			.26	T.				.21	.28	1.43	.03													3.37
Ravenswood (Dam 22	Ohio‖‖			.48								.08							.37	.23								T.					1.16
Richwood	Great Kanawha	.25	.38	.03	.78	.02	.01	T.	.07			.32			.04			.15	.48	.07													2.60
Robertsburg‖‖	do		.06	.37	.03							.06	.07						.01	.05													0.65
Ryan	do	.01	.57				.02				.12	.01	.02						.22														0.97
Sharples‖‖	Coal River		.42	.56										.58									T									T.	1.56
Spencer ‖‖	Great Kanawha		.02	.71	.47							.60								.50									.21		.06		2.57
Sutton	Gauley		.35	.15							.30	.25							1.35										.75				3.15
Union	do																																.....
Wayne‖‖	Big Sandy		1.23	.04	.17							.15							.20	.25										.05			2.09
White Sulpr. Spgs.‖‖	Great Kanawha		.30	.45			.10					.25	.50						.30	.10													2.00
Williamson‖‖	Big Sandy		1.90	.16	.03				.61			.04	.01						.03	.41										.16			3.35

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours euding at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. ††† Probably incomplete

Daily Temperatures for August, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	83	76	76	81	86	84	85	79	84	77	75	75	82	85	86	85	78	73	75	78	80	83	83	84	84	80	76	83	84	88	91	81.3
	Minimum	45	60	61	54	45	55	50	60	46	63	48	40	39	42	47	51	62	42	39	38	38	42	42	45	45	54	57	57	58	63	60	49.9
Brandywine	Maximum	91	80	90	87	92	93	92	90	88	87	85	82	89	90	92	93	89	80	84	85	86	85	91	89	90	92	91	90	92	98	100	89.1
	Minimum	52	65	66	65	50	59	60	57	52	55	50	48	46	44	49	52	54	50	54	50	46	44	48	49	52	49	50	57	60	52	64	53.2
Kearneysville	Maximum	85	85	88	89	89	95	98	95	90	94	80	84	85	90	91	92	92	86	82	81	83	86	89	83	91	93	95	93	92	97	101	89.5
	Minimum	56	68	67	68	60	66	65	68	59	58	65	57	55	52	53	60	62	68	57	59	49	51	54	60	57	55	65	64	64	67	72	60.7
Martinsburg‖	Maximum	94	81	86	90	95	101	95	93	95	98	85	90	91	91	88	92	98	85	85	85	85	90	92	92	95	97	93	88	90	95	..	91.2
	Minimum	57	70	68	67	60	63	68	58	60	65	60	55	53	55	52	55	60	60	58	59	54	50	55	59	58	55	55	66	64	66	70	59.8
Moorfield	Maximum	96	90	89	90	96	99	99	96	91	98	91	87	85	91	98	101	98	90	84	82	85	91	91	95	94	98	91	90	95	101	104	93.1
	Minimum	56	68	66	60	55	62	60	68	53	54	65	54	48	62	53	56	63	66	54	52	48	50	57	52	42	52	67	62	65	66	67	58.2
Piedmont	Maximum	88	80	81	85	89	89	90	82	84	91	82	79	80	91	95	96	94	85	81	84	80	85	87	87	89	92	89	84	90	96	98	87.2
	Minimum	53	65	60	61	56	62	60	63	55	56	61	56	50	50	51	57	59	65	52	48	46	47	52	52	54	54	64	60	62	67	65	56.9
Romney‖	Maximum	87	95	81	86	91	94	95	97	91	95	95	90	..	90	95	97	99	95	84	82	82	86	89	91	91	90	96	93	88	93	100	91.3
	Minimum	53	63	65	64	55	62	60	66	55	55	74	48	..	49	52	57	62	66	53	52	46	48	50	53	55	53	62	61	64	65	67	57.8
Upper Tract	Maximum	76	77	81	81	82	90	91	89	82	89	82	77	79	..	91	92	78	75	77	76	80	..	84	86	92	91	..	88	88	94	94	84.4
	Minimum	..	..	..	..	52	59	58	64	51	51	63	51	48	..	48	54	57	65	56	48	47	..	48	50	50	50	..	57	58	63	63	54.6
Wardensville	Maximum	91	77	87	88	92	95	96	90	89	93	82	83	83	89	94	95	92	81	83	80	87	90	90	89	93	94	..	97	90	99	..	89.3
	Minimum	50	59	64	61	52	56	57	65	50	52	51	51	44	46	48	53	59	56	52	52	44	48	50	52	49	57	57	..	64	64	64	54.2
Northern Division																																	
Alpena	Maximum	82	72	75	78	81	81	82	75	76	80	72	73	74	79	81	82	80	77	70	74	76	79	79	80	83	83	78	75	79	85	87	78.3
	Minimum	45	62	62	56	48	55	52	61	45	45	60	50	44	40	45	47	50	61	46	44	42	42	45	44	45	45	55	58	57	60	67	50.9
Bens Run	Maximum	92	81	85	90	93	93	92	89	88	91	81	85	85	90	93	95	92	85	78	80	86	89	93	93	93	93	88	87	94	97	101	89.4
	Minimum	61	69	71	65	64	66	67	64	60	63	66	68	58	57	60	62	66	68	56	52	54	56	59	63	62	63	71	63	65	70	71	63.2
Buckhannon	Maximum	84	78	80	79	83	83	83	80	79	81	78	78	76	80	82	83	84	84	74	72	77	79	83	82	82	84	82	80	85	88	90	81.1
	Minimum	56	67	68	63	60	66	60	66	66	56	66	57	56	52	54	55	60	66	53	50	53	53	54	54	55	56	68	58	67	66	68	59.6
Cairo	Maximum	87	85	81	87	89	90	87	84	85	88	86	83	82	88	89	91	89	85	80	77	81	84	88	90	90	90	89	86	92	95	99	87.0
	Minimum	52	65	67	62	58	58	60	58	52	56	64	57	53	50	51	53	59	69	52	45	47	62	45	53	52	54	56	57	61	63	64	56.6
Clarksburg ‖	Maximum	90	80	82	85	91	90	90	83	85	87	77	79	80	89	89	93	92	81	75	75	84	85	91	91	91	93	85	84	91	96	97	86.5
	Minimum	54	65	68	60	58	63	60	60	54	55	56	60	50	51	52	54	58	65	52	46	47	49	53	53	54	53	64	59	62	52	65	56.5
Creston	Maximum	88	86	85	86	91	90	88	89	85	90	89	82	82	89	89	92	90	85	78	78	86	88	91	90	93	87	88	87	95	95	100	88.1
	Minimum	53	65	68	64	58	60	60	60	54	55	65	60	53	50	53	54	58	69	52	47	45	49	51	51	52	53	68	58	60	62	64	57.1
Elkins	Maximum	85	76	79	81	83	84	85	78	80	83	76	74	75	81	83	85	84	78	73	73	79	80	84	84	83	85	82	79	84	89	92	81.2
	Minimum	52	65	66	58	54	62	58	59	52	52	59	57	52	48	53	52	55	59	54	50	49	50	52	50	51	52	62	58	62	64	64	55.8
Fairmont‖	Maximum	92	82	88	90	93	93	93	88	87	93	81	82	83	91	93	94	95	83	80	81	88	89	92	94	94	94	90	82	93	98	100	89.5
	Minimum	56	68	70	62	60	65	62	63	55	59	67	61	52	53	55	55	61	67	53	58	47	52	56	56	58	57	69	59	64	69	69	59.9
Glenville	Maximum	90	80	83	90	93	92	93	89	88	79	75	77	85	91	91	94	93	90	83	81	88	90	94	94	95	94	92	91	93	97	100	89.2
	Minimum	55	69	69	62	60	63	63	61	56	56	61	60	56	53	50	50	60	71	52	49	50	53	53	54	55	54	53	56	60	65	68	58.0
Grafton	Maximum	89	81	79	88	90	89	85	85	87	90	84	81	78	85	85	93	86	82	74	79	87	83	88	85	84	87	83	80	87	94	94	85.2
	Minimum	55	65	67	61	57	63	59	60	53	55	66	58	50	55	52	58	57	65	53	47	48	49	55	53	54	55	65	58	62	62	65	57.5
Lost Creek	Maximum	92	79	83	87	90	92	90	85	86	89	80	84	83	89	92	94	90	83	80	80	82	84	92	90	93	94	89	88	96	98	99	88.2
	Minimum	51	65	68	60	55	60	58	60	58	50	65	58	49	45	49	50	57	65	49	44	48	45	51	49	50	51	65	55	60	64	64	55.4
Mannington	Maximum	86	79	81	82	85	85	85	81	82	85	80	77	77	82	81	86	86	82	74	73	78	82	83	83	84	87	82	79	84	90	92	82.5
	Minimum	52	65	68	60	56	59	60	59	52	55	65	49	49	49	50	51	57	66	51	44	44	47	53	52	53	52	65	57	62	63	64	55.8
Morgantown	Maximum	89	81	81	83	87	88	89	82	82	88	71	77	78	84	84	88	89	88	88	88	81	83	87	89	88	90	84	79	88	93	95	85.2
	Minimum	50	66	66	60	57	56	55	62	54	54	64	56	54	50	49	50	50	52	51	50	44	45	50	50	50	51	67	57	57	61	58	54.7
New Cumberland‖	Maximum	85	85	88	88	93	91	83	87	86	89	82	79	84	88	90	93	89	80	74	79	85	85	91	89	90	90	88	75	84	95	..	86.2
	Minimum	55	62	66	59	54	59	59	58	53	60	61	53	56	55	53	55	57	67	55	49	48	51	54	54	57	60	68	58	62	68	67	57.8
New Martinsville	Maximum	92	82	88	90	93	91	88	86	87	89	80	82	84	90	92	95	90	84	78	80	87	89	92	91	92	91	90	84	92	98	100	88.6
	Minimum	57	65	70	60	60	62	63	60	54	57	64	58	54	55	55	55	68	75	57	49	52	52	56	56	56	57	68	62	63	68	68	59.9
Parkersburg	Maximum	87	77	86	87	90	90	85	86	87	90	79	80	80	85	88	90	88	80	74	76	81	85	88	89	90	89	87	82	89	96	97	85.7
	Minimum	61	68	70	68	63	64	64	64	58	63	65	60	59	58	57	60	68	67	58	52	54	54	58	61	60	64	71	62	66	70	71	62.5
Parsons	Maximum	92	90	90	89	90	91	90	83	83	83	81	80	82	89	90	92	88	81	85	81	85	86	89	91	90	92	86	84	88	93	96	87.4
	Minimum	51	65	60	56	59	60	64	61	53	53	60	56	51	56	50	53	56	50	48	50	48	50	53	51	54	54	61	59	62	63	63	55.8
Pickens	Maximum	87	73	79	82	86	84	85	79	80	83	75	76	77	85	86	85	84	73	72	76	80	82	86	85	85	86	..	82	84	87	94	81.9
	Minimum	55	62	64	58	55	59	55	57	53	54	50	55	48	46	51	53	56	59	46	45	48	48	50	51	52	53	..	59	58	59	62	54.0
Terra Alta	Maximum	76	80	76	73	78	82	82	81	77	75	81	70	72	73	79	82	83	83	74	69	71	76	80	80	81	82	82	78	76	81	86	78.0
	Minimum	48	60	64	54	48	56	51	61	47	48	59	55	41	40	46	48	51	61	44	38	40	41	47	46	48	47	58	59	58	61	60	51.1
Wellsburg	Maximum	92	87	89	91	93	94	86	89	87	90	83	83	86	90	93	95	94	82	80	81	87	90	93	93	93	92	88	88	89	98	100	89.5
	Minimum	50	62	72	58	52	59	56	55	49	55	59	48	46	46	47	50	55	66	51	42	44	46	48	51	52	54	64	54	65	64	65	54.4
Weston	Maximum	89	87	82	85	88	89	88	87	86	88	85	82	80	88	90	92	91	90	83	76	80	89	90	91	90	93	92	91	92	94	98	87.9
	Minimum	55	70	71	63	60	65	62	65	55	56	65	59	52	50	55	55	60	68	56	49	50	51	54	55	55	56	68	59	64	67	68	59.1
Wheeling‖	Maximum	95	86	91	95	95	95	85	90	90	94	83	85	83	94	95	99	93	84	82	83	90	87	96	93	94	93	88	78	91	99	103	90.6
	Minimum	..	64	66	56	55	58	50	55	50	54	55	55	59	50	64	52	56	62	49	44	47	50	51	53	53	57	61	..	..	64	76	55.9
Southern Division																																	
Beckley	Maximum	84	76	85	84	87	88	87	81	82	84	80	76	79	84	87	83	82	78	75	78	83	83	84	84	85	87	88	87	90	91	94	83.7
	Minimum	56	64	64	63	60	60	55	60	50	55	64	61	55	50	54	59	58	63	54	49	52	51	52	50	49	56	64	59	63	60	62	57.2
Bluefield	Maximum	84	75	84	84	85	85	..	86	82	84	82	79	79	..	85	83	77	76	75	78	..	..	..	84	85	87	85	..	89	90	93	83.0
	Minimum	51	65	66	66	66	66	..	61	55	60	66	62	57	..	51	63	62	65	58	50	..	..	..	52	58	61	65	..	63	64	64	60.7
Charleston ‖	Maximum	88	82	90	88	94	94	94	86	89	92	80	83	84	91	94	92	90	86	81	82	88	90	92	90	92	94	93	94	97	100	104	90.1
	Minimum	57	62	72	74	68	70	68	70	62	64	72	70	62	60	62	63	68	67	62	55	55	56	62	62	62	62	69	72	70	70	72	65.2
Gary ‖	Maximum	86	81	86	87	90	87	88	82	83	88	83	78	82	87	88	83	83	79	79	82	86	86	89	87	88	92	89	88	92	96	98	86.2
	Minimum	58	68	67	69	64	68	62	68	57	59	63	65	61	53	58	64	60	66	61	55	57	56	55	51	51	56	63	63	65	64	65	61.0
Hinton ‖	Maximum	86	79	91	92	90	94	95	92	90	85	83	83	86	92	92	91	82	82	82	85	89	90	92	93	91	94	92	88	97	98	..	89.2
	Minimum	60	63	68	70	64	68	64	66	59	59	62	65	61	57	58	60	61	63	61	58	58	57	58	55	53	56	60	65	66	65	67	61.5
Huntington	Maximum	86	82	84	87	92	94	90	89	90	90	87	87	84	89	92	93	91	88	83	86	90	91	92	92	93	94	95	93	99	100	100	90.4
	Minimum	59	70	72	70	63	63	64	64	58	61	71	69	62	57	61	68	67	72	57	52	50	55	56	58	57	62	69	67	69	70	70	63.3
Marlinton	Maximum	80	70	78	80	80	82	82	78	76	78	80	74	76	80	82	78	76	74	70	76	76	78	80	78	80	82	80	80	84	88	90	78.9
	Minimum	54	62	62	62	62	60	56	56	50	52	48	56	50	46	44	52	54	60	50	48	48	46	44	44	46	46	52	56	52	56	58	52.6
Point Pleasant	Maximum	90	85	88	90	92	94	90	90	90	92	90	86	86	90	93	92	93	86	83	80	85	83	90	92	91	91	92	90	96	99	99	89.9
	Minimum	54	66	68	66	60	60	62	62	55	60	69	63	56	53	55	62	65	65	55	48	48	48	52	57	55	62	66	62	63	66	67	59.7
Rainelle	Maximum	82	75	79	81	84	84	89	80	81	78	78	75	77	84	82	83	78	76	74	77	76	82	83	75	85	87	78	83	88	90	93	81.2
	Minimum	51	63	63	61	57	61	55	59	49	47	63	60	52	45	46	53	54	64	54	48	63	49	48	44	45	48	48	56	57	55	58	54.1
Ravenswood	Maximum	87	79	85	87	88	92	91	86	90	91	88	86	83	89	91	92	89	85	82	85	86	87	91	89	91	90	89	88	94	90	99	88.4
	Minimum	51	65	71	67	59	59	59	60	54	55	68	62	57	52	55	59	66	67	53	56	54	48	53	56	56	60	68	61	62	65	67	59.5
Richwood	Maximum	85	80	82	86	86	88	89	90	87	90	90	88	89	92	89	90	89	86	81	89	80	87	84	88	85	87	91	89	91	94	93	87.6
	Minimum	54	65	65	66	58	63	56	55	46	48	57	54	44	46	58	56	59	67	58	50	51	48	51	49	50	53	52	54	50	51	54	54.5
Robertsburg‖	Maximum	91	83	90	94	88	89	87	89	91	93	88	80	90	94	84	94	97	91	78	77	93	91	88	94	96	94	93	92	94	101	102	90.5
	Minimum	53	67	71	68	62	64	63	61	56	59	69	69	60	54	58	62	63	70	52	47	46	50	52	55	54	58	61	61	62	67	65	60.0
Ryan	Maximum	85	75	80	82	85	90	90	87	88	83	80	86	85	86	90	90	90	75	80	80	80	85	90	90	90	90	90	90	95	98	99	86.6
	Minimum	51	65	66	60	60	57	67	57	54	54	64	60	52	52	52	54	58	65	49	44	44	48	49	50	50	52	64	65	65	60	63	56.5
Spencer ‖	Maximum	86	77	82	85	91	90	90	85	86	88	88	89	81	89	90	93	88	89	88	89	86	89	92	90	92	93	88	88	95	88	101	88.6
	Minimum	56	60	70	65	61	62	61	61	55	58	59	58	58	52	54	58	59	56	54	50	50	59	52	55	56	57	59	62	62	66	67	58.5
Sutton	Maximum	80	80	82	85	92	92	90	87	87	89	89	80	81	88	90	92	92	87	81	81	83	87	91	91	90	92	92	86	95	96	98	87.9
	Minimum	55	68	68	64	60	65	61	64	65	56	65	62	56	56	55	54	58	57	53	51	51	56	55	54	55	56	66	67	62	65	66	59.5
Union	Maximum	86	74	88	88	89	91	..	92	87	86	81	79	83	..	88	89	80	79	79	81	..	86	87	86	88	90	89	..	91	95	99	86.3
	Minimum	51	65	62	65	63	61	..	57	49	54	64	61	56	..	52	59	55	64	55	51	..	50	49	50	50	52	63	..	56	58	59	56.7
White Sulphur Spgs.	Maximum	82	86	80	86	86	87	89	87	85	86	85	80	80	82	84	85	83	80	79	78	82	82	81	82	83	83	86	85	86	89	92	83.9
	Minimum	48	60	63	64	56	64	58	60	50	51	50	51	51	48	47	53	55	57	57	50	52	49	47	46	47	49	51	56	62	58	59	53.8
Williamson‖	Maximum	81	79	88	88	91	92	90	85	88	91	85	82	84	89	89	87	86	83	81	81	86	88	89	88	88	91	91	89	94	96	97	87.6
	Minimum	61	68	70	71	66	67	68	68	63	62	67	70	64	59	63	64	66	71	62	57	57	63	62	58	56	61	63	67	71	69	71	64.7

‖ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.196	.158	.102	.111	.254	.162	.239	.184	.267	.243	.258	.090	.222	.221	.201	.222	.211	.247	.136	.198	.211	.211	.211	.200	.179	.222	.178	.193	.200	.165	.228	6.120
	Wind movement	25	19	23	59	11	9	22	20	38	26	51	26	25	48	20	21	18	38	38	42	56	38	29	20	17	21	28	50	40	25	24	927

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 9-27-32—900)

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UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

LIBRARY

Vol. XL Parkersburg, W. Va., September, 1932 No. 9

GENERAL SUMMARY

September averaged somewhat warmer and much drier than usual. The month opened abnormally warm, with the highest temperatures of September record at a number of stations in the central and eastern districts. Light to heavy frosts occurred in scattered sections on the 8th, 18th, and 25th, and the first general heavy frost on the 30th. On the morning of the 30th the temperature ranged generally from 30° to 40°, with a low reading of 25° at Bayard. The rainfall averaged slightly more than one-half of the normal, and fell mostly on the 4th, 22-23d, and on the 27-28th. From the 5th to the 21st there was practically no precipitation. The rainfall was the heaviest over the extreme southeastern counties, and lightest over the central districts. The droughty conditions of August continued through September, and at the close of the month small streams and watering places were practically dry, and farmers were hauling water for their stock. Corn was in shock and husking was somewhat general. A large yield of potatoes was secured. Plowing and fall seeding was much retarded by lack of soil moisture.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 66.5°. The departure from the normal for 46 stations having ten or more years of record was +0.4°. The temperature was above the normal from the 1st to the 5th, 10th, 11th, 13th to the 16th, and from the 18th to the 23d, and below the normal from the 6th to the 9th, 17th, and from the 24th to the 30th. The highest monthly mean was 71.8° at Huntington and the lowest was 58.2° at Alpena. The highest temperature was 106° at Moorefield on the 1st, and the lowest was 25° at Bayard on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 93 stations, was 1.58 inches. The departure from the normal for 65 stations having ten or more years of record was −1.47 inches. The greatest monthly precipitation was 4.66 inches at Marlinton, and the least was 0.10 inch at Sharples. The greatest amount in any 24 consecutive hours was 2.40 inches at Marlinton on the 23d. The average number of days with .01 inch or more of precipitation was 6.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 24th and 25th; Arbovale, 5th; Bancroft, 6th, 11th, and 18th; Bens Run, 12th, 16th, 24th, 29th, and 30th; Bruceton Mills, 23d; Charleston, 15th; Elkins, 1st, 5th to the 11th, 13th, 16th, 24th, 25th, and 30th; Glenville, 5th, 14th, 15th, 24th, 25th, and 30th; Grafton, 8th, 10th, and 29th; Hinton, 13th, 15th, 23d, and 30th; Huntington, 29th; Marlinton, 3d, 5th, 7th, 9th, 10th, 12th, 13th, 15th, 16th, 24th, 25th, 29th, and 30th; Parkersburg, 29th and 30th; Pt. Pleasant, 22d, 29th, and 30th; Terra Alta, 3d, 24th, 26th, 28th, and 29th; Wellsburg, 8th, 24th, 25th, and 30th; Williamson, 5th, 8th, 9th, 16th, 29th, and 30th.

MISCELLANEOUS PHENOMENA (Continued)

Halos, solar: Parkersburg, 19th; Terra Alta, 27th.

Thunderstorms (dates and number of stations reporting): 1st, 5; 2d, 6; 3d, 7; 11th, 2; 13th, 3; 14th, 3; 21st, 1; 22d, 5; 23d, 5; 24th, 1; 27th, 1.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio ..	30.09	84	54	64	245.6	66	4,732	6.6	27	s.	2
Columbus, Ohio...	30.09	73	49	54	252.3	68	6,713	9.3	31	s.	3
Elkins	30.14	93	51	73	229.9	62	3,037	4.2	18	nw.	17
Lexington, Ky....	30.10	78	56	....	232.7	62	7,805	10.8	35	s.	3
Parkersburg	30.11	77	43	56	246.1	66	3,902	5.4	24	se.	2
Pittsburgh, Pa	30.09	76	42	47	261.9	70	6,234	8.7	28	sw.	4
Wytheville, Va....	30.09	81	51	67	210.0	56	3,719	5.2	19	n.	7

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	66.8	......	......	1.66	......	......	......	......	......	......	......
1892	64.4	92	32	2.57	......	......	......	6	......	......	......
1893	65.0	91	29	2.28	4.50	1.05	......	6	......	......	......
1894	67.8	98	31	2.50	4.75	1.25	......	6	12	11	7
1895	70.3	107	29	1.70	4.25	0.42	......	4	17	8	5
1896	65.2	95	22	4.59	9.04	1.58	......	7	14	9	7
1897	66.4	103	27	1.14	4.00	0.02	......	3	22	6	2
1898	67.6	97	33	2.42	4.75	0.80	......	6	16	10	4
1899	64.0	100	26	3.65	6.35	1.65	......	8	14	9	7
1900	71.1	100	35	1.92	5.50	0.34	......	6	14	10	6
1901	64.8	95	27	3.35	7.64	1.46	......	8	13	8	9
1902	64.8	98	25	2.98	4.81	1.23	......	9	12	9	9
1903	64.7	97	25	1.30	2.78	0.10	......	4	21	6	3
1904	67.0	95	25	1.76	4.55	0.53	......	6	16	10	4
1905	65.6	97	29	2.21	4.21	0.54	......	4	18	8	4
1906	69.9	97	38	3.25	5.44	0.57	......	9	12	10	8
1907	66.3	93	30	4.41	7.10	2.00	......	11	12	10	8
1908	65.9	99	24	0.95	2.54	0.26	......	3	21	6	3
1909	63.7	95	28	2.74	8.75	0.63	......	6	15	9	6
1910	68.4	97	32	3.50	6.04	0.50	......	10	12	11	7
1911	68.8	100	32	4.67	8.30	1.80	......	11	12	11	7
1912	68.6	98	30	3.85	9.18	1.13	......	8	17	7	6
1913	64.2	100	25	2.88	6.38	0.86	......	8	14	7	9
1914	63.2	97	24	1.58	5.65	0.17	......	5	18	6	6
1915	67.6	100	31	3.84	7.18	2.00	......	9	16	8	6
1916	63.0	99	27	3.71	7.88	1.01	......	7	18	6	6
1917	62.4	98	28	2.79	6.62	1.16	......	7	17	7	6
1918	60.5	93	24	2.92	4.73	1.37	T.	8	15	7	8
1919	66.0	98	31	2.11	4.37	0.12	T.	5	18	7	5
1920	66.7	96	34	3.14	5.38	1.34	......	8	16	7	7
1921	70.9	97	39	4.76	9.07	1.65	......	12	12	10	8
1922	67.2	100	25	2.14	5.64	0.10	......	4	21	5	4
1923	66.5	96	29	3.31	5.36	1.00	......	7	16	8	6
1924	60.7	100	26	5.96	8.97	2.80	......	12	11	7	12
1925	70.9	102	34	2.29	5.89	0.50	T.	8	14	9	7
1926	68.6	98	31	5.35	10.57	1.44	......	13	10	8	12
1927	67.0	100	24	2.15	5.29	0.23	......	5	19	7	4
1928	61.3	100	24	2.71	6.45	0.81	......	7	14	6	10
1929	66.5	102	24	2.95	6.25	0.57	T.	8	15	7	8
1930	69.3	106	29	1.46	3.81	0.36	......	7	15	9	6
1931	70.0	102	29	3.91	6.70	1.45	......	10	16	8	6
1932	66.5	106	25	1.58	4.66	0.10	......	6	18	7	5
1891-1932	66.3	107	22	2.88	10.57	0.02	T.	7	15	8	7

Climatological Data for September, 1932

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	60.1	−0.6	95	2	25	30	48	2.47	−1.33	1.45	0	8	25	3	2	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	65.5	+1.1	100	1	29	30	47	0.97	−1.46	0.42	0	5	25	3	2	n.	Elmer Keister
Circleville	Pendleton		0								1.06		0.28	0	7					Moses R. Bennett
Harpers Ferry	Jefferson	244	43								1.66	−1.09	0.93	0	6					J. C. Newcomer
Kearneysville	Jefferson	548	2	67.5		101	1	36	26†	37	2.22		0.73	0	5	18	10	2	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	[a]69.0	−0.3	103[a]	1	36	30	41[a]	1.49	−1.36	0.50	0	7	21	9	0	w.	Dr. H. S. Gardner
Moorefield [a]	Hardy	900	36	67.8	+0.4	106	1	30	29	52	0.70	−1.87	0.55	0	3	28	0	1		M. S. Henkel
Piedmont	Mineral	1,053	19	66.2	+0.9	98	1	30	30	47	0.60	−1.66	0.38	0	4	19	9	2	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	[a]67.6	+0.9	104[a]	1	31	30	48[a]	0.92	−1.83	0.30	0	6	21	5	4		George E. Bergdoll
Stony River Dam	Grant	3,300	12								0.86	−2.05	0.26	0	5	13	10	7	w.	A. C. Becker
Upper Tract[b]	Pendleton	1,230	33	63.2	−2.1	100	1	29	29	41	0.80	−1.53	0.40	0	4					J. M. Mallow
Wardensville	Hardy	1,200	15	[a]66.0		102[a]	1	29	30	45[a]	0.98		0.49	0	7	14[a]	12[a]	3[a]		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8								1.76		0.64	0	4	14	14	2	w.	L. Else Bond
Alma (near)	Tyler	800	5								1.26		0.79	0	4	18	8	4		D. N. Furbee
Alpena	Randolph	2,571	2	58.2		90	1	26	30	40	2.21		0.64	0	7	12	17	1		Christian Hertig
Benson	Harrison	1,080	8	65.6		97	1†	30	30	44	1.13		0.53	0	3	16	10	4		John A. Clark
Bens Run	Pleasants	652	30	71.2	+3.0	101	1	41	30	38	1.31	−1.23	0.53	0	6	22	6	2		J. D. Riggs
Brownsville	Lewis	1,032	9	67.0		100	1	33	30	45	1.80		0.63	0	5	21	5	4		George M. Meyers
Bruceton Mills	Preston	1,549	15								1.55	−2.32	0.55	0	5	15	9	6		Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	64.7	+0.3	92	1	35	30	35	1.50	−1.65	0.75	0	5	23	4	3		H. A. Darnall
Cairo	Ritchie	680	31	67.6	−0.5	101	1	33	30	51	0.14	−2.92	0.14	0	1	24	5	1		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	66.4	−0.9	101	1	33	30	42	0.87	−2.93	0.69	0	5	20	6	4	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9								1.09		0.41	0	7	19	7	4	sw.	George W. Blair
Creston	Wirt	640	30	67.2	−0.5	103	1	33	30	48	1.53	−1.08	0.70	0	4	18	2	10		P. M. Basnett
Dam 10 Mon. R.	Marion	826	11								1.33		0.73	0	5					Lockmaster
Dam 12 O. R.	Ohio	660	16								1.07	−2.34	0.43	0	8					Lockmaster
Dam 13 O. R.	Ohio	655	16								1.20	−2.33	0.52	0	7					Lockmaster
Dam 15 Mon. R.	Monongalia	882	11								1.17		0.70	0	3					Lockmaster
Davis	Tucker	3,093	23								1.18	−2.70	0.44	0	4					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K)	Wirt	615	20								1.47	−1.32	0.64	0	7					Lockmaster
Elkins	Randolph	1,947	31	62.2	−0.8	94	1	33	30	39	1.86	−1.29	1.15	0	7	9	14	7	nw.	U. S. Weather Bureau
Fairmont	Marion	883	26	69.1	+1.9	101	1	34	30	43	1.02	−1.81	0.58	0	5	17	7	6	w.	J. C. Robinson
Glenville	Gilmer	738	38	69.6	+1.3	104	1	36	30	47	1.21	−2.17	0.51	0	8	19	6	5	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	66.5	+0.1	97	1†	32	30	42	1.15	−1.74	0.35	0	6	17	3	10		W. E. Clayton
Horner	Lewis	1,044	9								1.46		0.62	0	3					Foster R. Hardman
Janelew (near)	Lewis	1,020	9	66.5		100	1	32	30	44	1.90		0.80	0	4	21	3	6	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	66.7	+1.4	104	1†	30	30	47	0.93	−2.10	0.75	0	4	22	4	4	w.	Allen Smith
Mannington	Marion	985	29	64.6	−0.2	93	1	32	30	40	1.65	−1.80	0.60	0	7	18	6	6	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	67.2	−0.2	100	1	34	30	39	1.25	−1.87	0.35	0	5	16	9	5	sw.	Bruce Davis
New Cumberland	Hancock	671	34	[a]66.8	+1.5	100[a]	1	34	30	48[a]	1.00	−1.93	0.35	0	6	14	8	8	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	69.4	+0.9	100	1	37	30	42	1.94	−0.92	1.22	0	5	22	6	2	s.	Wm. Ankrom
Parkersburg	Wood	638	45	69.1	+1.8	98	1	38	30	34	0.94	−1.82	0.45	0	5	14	10	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	65.0	+1.5	100	1	31	18	50	1.49	−1.69		0	5	14	11	5		J. W. Swisher
Parsons No. 2	Tucker	1,649	6								1.93	−1.24	0.75	0	7	16	8	6		Robert T. Deem
Philippi	Barbour	1,550	35								2.91	−0.51	2.00	0	8					H. F. Brittinham
Pickens	Randolph	2,697	29	62.5	+0.8	96	2	30	30	39	2.72	−1.43	0.68	0	8	22	4	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9								1.29		0.61	0	5	21	3	6		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45								2.57	−0.59	0.88	0	9					Walter H. Bolyard
Saint Marys	Pleasants	577	23								1.01	−1.87	0.60	0	6					Wm. Hughes
Terra Alta	Preston	2,559	31	60.3	−1.5	92	2	27	30	39	2.12	−1.57	1.08	0	8	9	13	8	nw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3								3.83		2.25	0	6					H. L. Stiles
Valley Chapel	Lewis	1,011	9	67.7		99	1†	33	30	42	0.90		0.86	0	2	21	0	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	9								1.64		0.97	0	4					James B. Kelley
Wellsburg	Brooke	668	25	66.2	+1.6	100	1	30	30	53	2.62	−0.46	1.41	0	6	18	9	3		George P. Pfister
West Milford	Harrison	979	7								0.88		0.53	0	3					Miss Dicie E. Wagner
Weston	Lewis	1,026	37	68.4	+1.3	100	1	36	30	43	1.93	−1.04	0.82	0	8	9	19	2		A. Henry
Wheeling	Ohio	645	45	[d]69.0	+1.8	101[d]	1	35[c]	25	51[d]	1.60	−1.29	0.92	0	7	20[c]	5[c]	2[c]	w.	Miss M. B. Forsyth
Woodlands	Marshall	637	5								1.44		0.98	0	8	15[b]	4[b]	9[b]	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6								1.34		0.38	0	7	20	5	5	w.	H. S. Sutton
Bancroft	Putnam	574	28	[a]69.2	+1.0	87[a]	5†	44	9†	41[a]	1.26	−1.67	0.71	0	5	22	0	8	sw.	Charles N. Long
Beckley	Raleigh	2,440	29	64.9	−1.2	97	2	31	30	45	2.54	−0.04	1.54	0	11	17	8	5		L. A. Mauck
Bluefield [g]	Mercer	2,558	37	65.4	−0.7	95	2	37	26	39	2.97	+0.40	0.93	0	9	11	9	3		Norfolk & Western Ry.
Charleston	Kanawha	600	29	69.6	−1.1	104	1†	44	30	40	1.07	−1.96	0.59	0	5	11	5	14		D. J. M. Cook
Clay	Clay	706	16								1.22	−2.19	0.53	0	7					Chilton Wilson
Dam 6 G. K	Kanawha	598	5								3.21		1.12	0	7					Lockmaster
Dam 19 O. R.	Wood	600	16								1.25	−2.05	0.56	0	4					Lockmaster
Dam 20 O. R.	Wood	600	16								1.39	−1.49	0.64	0	6					Lockmaster
Dam 26 O. R.	Mason	564	16								0.51	−1.73	0.22	0	4					U. S. Engineers Office
Durbin	Pocahontas	2,724	0								3.15		1.72	0	6					Mrs. D. R Gandinees
Gary	McDowell	1,426	16	67.4	−1.1	100	2	40	18	46	3.45	+0.40	1.79	0	11					U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	69.1	+1.3	98	2	43	18	46	3.20	+0.54	0.94	0	8	20	3	7		Mrs. M. L. McClung
Huntington	Cabell	538	35	71.8	+3.1	103	1	40	30	43	1.02	−1.60	0.26	0	9	16	9	5	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	13								2.62	−0.40	1.50	0	6					J. O. Brown
Kayford	Kanawha	1,335	16								3.66	+0.08	2.00	0	8					Cabin Creek. Con Coal Co
Kermit	Mingo	579	6								0.70		0.25	0	5					E. B. Kirk
Kingston	Fayette	1,481	2								2.36		1.09	0	5	22	0	8		Claud J Wriston
Lewisburg	Greenbrier	2,250	32	65.5	+1.1	89	6	31	25	46	1.26	−1.47	0.66	0	2	18	7	5		Rose Argabrite
Logan	Logan	700	29								1.71	−1.39	1.00	0	5					J. R. Wampler
Madison	Boone	675	11	68.8	+1.2	101	1	40	30	45	1.33	−2.34	0.36	0	6	24	3	3		T. A. Stout
Marlinton	Pocahontas	2,131	33	59.0	−2.2	90	1	32	18†	42	4.66	+1.62	2.40	0	8	10	16	4	nw.	S. L. Brown
Point Pleasant	Mason	595	39	69.2	−0.2	102	1	36	30	42	0.92	−1.52	0.38	0	8	19	7	4	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	2	61.8		95	2	31	18	50	1.57		0.74	0	6	19	9	2		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	9	69.0	0	102	1	37	30	43	1.71	−0.77	0.56	0	6	17	0	13	uw.	Lockmaster
Richwood	Nicholas	2,193	2	64.6		96	1	33	30	49	1.66		1.02	0	8	7	0	23	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	67.8	−0.5	105	1	36	30	43	0.63	−1.81	0.30	0	4	17	0	13		M. Frazier
Ryan	Roane	700	29	66.6	+2.3	100	2	31	30	46	1.64	−1.33	0.80	0	7	16	11	3		Wm E. Ryan
Sharples	Logan	889	12								0.10	−3.23	0.10	0	1					R. W. Howard
Spencer	Roane	789	28	[a]68.4	+2.1	103[a]	1	36	30	47[a]	1.48	−1.48	0.58	0	5	22	6	2		A. M. McKown
Sutton	Braxton	850	26	68.3	−0.3	101	1†	37	30	43	1.50	−2.02	0.55	0	5	25	0	5		C. B. Eakle
Union [d]	Monroe	2,250	28	65.0	−1.0	98	1†	33	29†	51	1.20	−1.36	0.32	0	5	13	9	4		W. M. H. Young
Wayne	Wayne	598	5								0.83		0.23	0	6					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	22	63.0	−1.9	96	1†	34	18†	44	2.00	−1.15	1.30	0	4	20	5	5		A. P. Spence
Williamson	Mingo	673	32	69.3	−0.3	100	1	44	18†	41	0.76	−2.28	0.33	0	7	19	7	4	sw.	J. E. Dotson
State averages and	extremes			66.5	+0.4	106	1	25	30	53	1.58	−1.46	2.40	0	6	18	7	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for September, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac			.11		.14	.05														T.	.01	1.45	.15				.17	.39				2.47
Brandywine	do		.15		.05									T.	.42								.30					.05	T.				0.97
Circleville	do			.02	.14	T.									T.								.03	.28	.20			.18	.21				1.06
Harpers Ferry ||||	do			.93	.01		.15																	.01	.09			.47	T.				1.66
Kearneysville	do		.65	.49	.03	.32																						.73					2.22
Martinsburg ||||	do			.45	.08		.18																.10		.03			.50	.15				1.49
Moorefield	do				.10																			.55			.05						0.70
Piedmont	do				.38										T.	.02							.18	.02									0.60
Romney||||	do				.10										.30								.05	.05				.25	.17				0.92
Stony River Dam	do				.16										.26													.15	.25	.04			0.86
Upper Tract	do			.40	.10																	.10		.20									0.80
Wardensville||||	do			.17	.03										.49									.09	.06			.09	.05				0.98
Northern Division																																	
Aberdeen	Monongahela			T.	.19											T.					T.	T.	.56	.37			T.	T.	.64				1.76
Alma (near)	Ohio																							.05			.01	.79	.41				1.26
Alpena	Monongahela		.36		.15	.02																	.16	.59			T.	.29	.64				2.21
Benson	do																							.42				.18	.53				1.13
Bens Run	do		.38		.05																		.10	.06				.53	.19				1.31
Brownsville	do			.63	.15																T.		T.	.44				.25	.33				1.80
Bruceton Mills	do		.35		T										.45							T.	T.	.10			T.	.10	.55				1.55
Buckhannon	do		T.		.20										T.						T	T.	.10	.75				.10	.35				1.50
Cairo	Little Kanawha																											.14					0.14
Cheat Bridge||||	Monongahela																																......
Clarksburg||||	Little Kanawha				.04																	.01	T.	.10	T.			.03	.69				0.87
Crawford||||	do			.08	.23																	.01	.01	.25				.10	.41				1.09
Creston||||	Monongahela			.70																			.20					.08	.55				1.53
Dam 10, Mon. R.||||	Ohio			.22																		T	.02	.16	.20				.73				1.33
Dam 12, O. R.||||	do		.01	.03											.16							.04		.43			.03	.09	.28				1.07
Dam 13, O. R.||||	Monongahela		.03		.04										.52							.05		.26				.05	.25				1.20
Dam 15, Mon. R.||||	do																					T.	T.	.44				.03	.70				1.17
Davis ||||	do				.26																	.42						.06	.44				1.18
Elizabeth(D'm 3 LK)	Little Kanawha			.48	.03																	.02	.22	.02				.06	.64				1.47
Elkins***	Monongahela				.07	.04								T.							T.	T.	.03	1.13			.11	.08	.40				1.86
Fairmont||||	do				.03																	T.	T.	.37	.01			.03	.58				1.02
Glenville ||||	Little Kanawha			.06												.10						.06	.08	.31	.04			.05	.51				1.21
Grafton ||||	Monongahela				.05																	.08	.22	.25			T.	.35	.20				1.15
Horner	do				.32																			.62				.52					1.46
Horton	do																																......
Janelew (near)	do			.20																			.80	.30					.60				1.90
Lost Creek	do				.04										T.						T.	T.	T.	.14			T.	.43	.32				0.93
Mannington	do				.03										.17							.01	.10	.30				.44	.60				1.65
Morgantown	do		.11		.12										T.							T.	T.	.35			T.	.32	.35				1.25
New Cumberland||||	Ohio				.09	T.									.12							.10		.35				.10	.24				1.00
New Martinsville	do		.18												.06								.16					1.22	.32				1.94
Parkersburg***	do	T.	T.	.45										T.							.02	T.	T.	T.			.04	.23	.20				0.94
Parsons	Monongahela																					.10	*	*			*	1.39					1.49
Parsons No. 2	do				.14										.10							.07	.27	.75		T.	.18	T.	.42				1.93
Philippi	do				.20										.04	.04							.02	2.00	.04			.02	.55				2.91
Pickens	do		.27		.68								.17									T.	.20	.62			.05	.33	.40				2.72
Roanoke	do			.25	.28															T.			.11	.50				.15					1.29
Rowlesburg||||	do				.10										.08	.02							.18	.88	.29			.33	.50	.19			2.57
Saint Marys||||	Ohio		.01	T.	.06																	.02	.24	T				.08	.60				1.01
Terra Alta	Monongahela			.20	.25										.02	T							.01	.32	.12			.12	1.08				2.12
Thomas ||||	do				.12																		2.25	.60	.28			.20	.38				3.83
Valley Chapel	do																							.86				.04					0.90
Vandalia	do				.25																			.97				.08	.34				1.64
Wellsburg	Ohio		.15												.55							.05		1.41				.16	.30				2.62
West Milford	Monongahela																					.15						.53	.20				0.88
Weston	do			.82	.08										.02								.02	.14	.31			.01	.53				1.93
Wheeling||||	Ohio		.01		.03										.31							.04	T.	.92				.05	.24				1.60
Woodlands||||	do		.01		.03										.03							.03	.05	.17				.14	.98				1.44
Southern Division																																	
Arbovale	Great Kanawha	T.	.20		.15								T.	T.								.01	.38	.04			.24	.32	T.				1.34
Bancroft ||||	do				.29																	.71	.04					.04	.18				1.26
Beckley	do	T.	.20	1.54	.14								.08								.05	.23	.06	.06			.05	.08	.05				2.54
Bluefield	do			.03			.17						.53								.08	.01	.93				.38	.10	.74				2.97
Charleston ||||	do				.08										T.							.12	.59				T	.13	.15				1.07
Clay||||	do			.18	.25	.03																.03	.53					.08	.12				1.22
Dam 6 G. K ||||	do		.05	.27	1.12					.07			1.08							.29	.33												3.21
Dam 19 O. R. ||||	Ohio				.36										T.	T.					T.	.03	.30	T.					.56				1.25
Dam 20 O. R. ||||	do			T.	.40	.03									T.						T.	.02	.26					.04	.64				1.39
Dam 25 O. R. ||||	do		.07		.11	.05							.04			.07						.10	.03					.09	.95				1.51
Dam 26 O. R. ||||	do				.16																	.11						.02	.22				0.51
Durbin	Great Kanawha			1.72	.45																			.03	.20			.43	.32				3.15
Gary ||||	Big Sandy		.04		.12	.11							.42								.01	.18	1.79		.26			.12	.38	.02			3.45
Hinton||||	do			.93	.25	.13							.08	T.								.01	.94	T.				.18	.68				3.20
Huntington	Ohio	.26	.01	.18									.06								.20	.11	.01				.06	.13					1.02
Kanawha Falls||||	Great Kanawha			1.50	.17																		.42	.04				.10	.39				2.62
Kayford||||	do			1.16	.15																.05		2.00	.01				.16	.12	.01			3.66
Kermit||||	Big Sandy			.25																		.12	.10				.03	.20					0.70
Kingston	Great Kanawha		1.09			.35																	.60	.15				.17					2.36
Lewisburg	do												.60										.66										1.26
Logan||||	Guyandotte				.28										.12									1.00				.15	.16	T.			1.71
Madison	Great Kanawha			.30										.16							.17		.36	T.			.12	.22					1.33
Marlinton	do	T.	.52		32	.12							T.	.32								.08		2.40			.16	.74					4.66
Point Pleasant||||	Ohio				.15	.10								.02								.14	.02	T.	.01			.10	.38				0.92
Rainelle	Meadow Creek			.40	.05	T.															T.		.74		T.		.02	.08	.28	T.	T.		1.57
Ravenswood(Dam 22	Ohio||||			.56	.16																	.03	.43					.03	.50				1.71
Richwood	Great Kanawha		.93	.09																		T.	.10	.07			.03	.22	.20	.02			1.66
Robertsburg||||	do				.08																		.30	T.				.10	.15				0.63
Ryan	do			.28	.05										.11						.07		.80					.16	.17				1.64
Sharples||||	Coal River	T.																										.10					0.10
Spencer ||||	Great Kanawha			.28	.02											.20						T.	.58					T.	.40				1.48
Sutton	Gauley				.35																		.25	.10				.25	.55				1.50
Union	do		T.	.31		.22							.05								T.		T.				T.	.30	.32				1.20
Wayne ||||	Big Sandy				.05	.13															.20	.05						.23	.17				0.83
White Sulpr. Spgs.||||	Great Kanawha			1.30	.20																							.20	.30				2.00
Williamson||||	Big Sandy		.01		.33																.04	.05		.12				.11	.10				0.76

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for September, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	94	95	85	88	79	84	74	70	79	78	79	83	82	80	78	79	75	75	88	82	78	78	64	65	65	67	70	64	60	60	....	76.6
	Minimum	60	54	56	56	65	53	32	31	42	39	37	38	40	48	41	39	35	33	40	50	51	55	51	39	29	29	51	52	38	25	....	43.6
Brandywine	Maximum	100	97	92	88	93	84	75	78	84	83	87	88	89	90	88	87	86	82	89	85	84	85	80	82	80	70	68	75	72	70	....	83.7
	Minimum	60	62	63	65	64	60	36	35	42	40	45	44	48	48	46	45	40	35	45	54	57	56	47	45	35	35	50	54	33	29	....	47.3
Kearneysville	Maximum	101	100	88	89	88	73	71	78	82	78	78	82	85	83	80	89	79	77	84	91	83	80	83	74	68	71	71	73	69	68	....	80.5
	Minimum	68	72	68	72	65	62	48	49	60	51	43	45	49	52	57	60	51	45	51	57	63	64	59	51	45	36	54	59	43	36	....	54.5
Martinsburg‖	Maximum	103	95	88	90	92	80	72	78	85	87	82	86	88	88	80	88	80	83	84	84	80	82	83	70	72	73	80	75	72	..	....	82.8
	Minimum	70	72	69	70	65	62	50	50	53	55	46	48	50	55	53	53	56	47	51	69	65	64	60	53	37	58	39	56	45	36	....	55.2
Moorfield	Maximum	106	101	96	91	96	89	78	80	87	81	88	93	94	91	87	83	82	90	85	84	80	76	77	69	63	70	75	74	72	..	....	84.1
	Minimum	63	62	64	72	60	58	40	37	47	48	47	51	50	55	51	52	42	38	57	58	62	63	60	39	38	54	60	39	30	..	....	51.6
Piedmont	Maximum	98	96	92	87	89	79	69	74	84	84	79	82	88	89	84	90	80	88	94	95	88	78	70	79	69	69	74	66	65	66	....	81.5
	Minimum	64	68	66	71	61	55	43	40	54	54	42	44	49	50	54	50	42	41	47	55	60	61	59	46	40	35	52	52	40	30	....	50.8
Romney‖	Maximum	104	95	95	89	93	83	74	80	89	87	88	92	92	87	84	90	77	85	95	92	88	81	71	77	74	75	80	73	71	..	....	84.9
	Minimum	65	65	64	68	61	57	41	39	48	50	44	50	51	54	51	51	43	40	47	52	60	61	62	44	36	34	41	55	42	31	....	50.2
Upper Tract	Maximum	100	95	..	89	91	82	80	76	85	83	81	81	..	85	79	83	82	75	81	80	80	79	75	74	69	69	70	68	67	68	...	79.5
	Minimum	60	61	..	60	59	59	40	36	45	44	46	47	..	60	47	47	46	41	40	56	59	56	56	54	33	33	36	31	29	30	....	46.8
Wardensville	Maximum	102	95	89	87	92	87	72	79	85	81	82	87	88	86	79	87	76	82	89	88	89	79	78	72	72	69	75	75	73	..	....	82.6
	Minimum	63	64	62	72	59	54	39	40	53	49	42	44	49	52	47	50	40	37	46	53	60	60	57	41	38	33	49	63	36	29	....	49.4
Northern Division																																	
Alpena	Maximum	90	87	83	77	81	70	61	67	74	77	79	78	77	78	73	75	65	69	81	77	74	72	62	64	65	65	62	62	60	60	....	72.2
	Minimum	55	57	56	63	54	55	33	33	39	41	40	44	42	46	40	39	41	32	41	50	55	54	53	39	29	32	49	53	35	26	....	44.2
Bens Run	Maximum	101	94	98	89	89	81	75	80	89	87	88	87	91	92	92	87	78	85	95	83	86	86	77	72	75	72	71	71	70	72	....	83.8
	Minimum	72	72	72	72	70	62	51	49	54	60	55	53	57	68	60	59	53	54	57	68	63	64	65	49	46	50	59	58	47	41	....	58.7
Buckhannon	Maximum	92	91	89	81	79	74	66	69	76	80	80	80	83	81	81	77	79	77	84	79	79	81	69	64	66	68	71	67	64	62	....	76.3
	Minimum	66	67	68	71	64	57	43	39	45	51	50	60	52	57	57	50	45	42	52	66	62	63	61	48	38	40	44	59	42	35	....	53.1
Cairo	Maximum	101	96	95	89	87	85	74	77	86	89	88	87	90	89	88	88	90	84	93	89	88	87	86	88	86	87	86	73	70	72	....	86.3
	Minimum	64	70	66	76	63	54	42	38	44	51	48	46	44	57	59	44	41	42	48	48	46	45	42	46	38	44	35	54	38	33	....	48.9
Clarksburg ‖	Maximum	101	92	97	89	85	75	69	75	84	84	87	85	91	91	90	83	74	83	92	84	87	87	70	72	71	74	74	67	66	69	....	81.6
	Minimum	64	70	67	73	62	55	42	39	43	51	47	45	49	57	50	49	42	44	51	61	61	60	62	40	35	40	49	58	40	33	....	51.3
Creston	Maximum	103	100	94	88	87	82	74	76	88	90	88	86	90	89	90	85	78	85	92	82	85	88	84	75	75	69	74	70	72	72	....	83.7
	Minimum	63	67	66	69	65	55	42	39	43	49	48	49	48	54	50	49	41	37	46	58	55	62	60	43	34	41	56	58	43	33	....	50.8
Elkins	Maximum	94	91	87	81	84	71	64	67	77	79	81	81	82	83	81	78	68	76	86	80	77	80	63	64	68	66	68	67	63	62	....	75.6
	Minimum	63	63	63	63	60	46	40	36	42	48	47	48	48	53	49	47	42	38	47	59	58	59	55	42	36	39	57	43	39	33	....	48.8
Fairmont‖	Maximum	101	96	97	89	87	80	73	80	86	87	92	91	94	91	93	85	77	84	97	88	91	89	70	75	75	73	73	68	68	73	....	84.1
	Minimum	67	71	70	72	64	57	43	40	48	54	49	49	53	62	54	52	45	45	56	65	60	65	63	44	42	42	54	59	43	34	....	54.1
Glenville	Maximum	104	103	98	93	90	88	86	79	89	90	91	90	91	92	92	90	80	86	95	89	87	88	82	75	78	78	76	72	73	74	....	86.6
	Minimum	65	70	68	70	65	57	42	40	45	50	49	48	50	57	53	50	43	40	48	62	60	63	61	45	39	41	60	60	42	36	...	52.6
Grafton	Maximum	97	97	94	93	90	79	70	73	86	87	88	85	91	88	88	83	74	82	94	83	85	74	70	68	75	70	71	68	66	71	...	81.3
	Minimum	64	67	68	62	65	54	41	36	44	52	49	48	50	57	57	49	41	42	53	61	59	61	59	43	37	41	59	59	41	32	..	51.7
Lost Creek	Maximum	104	104	98	90	89	80	75	80	86	87	89	89	92	91	91	87	78	76	95	85	86	90	75	76	75	71	75	70	70	73	....	84.2
	Minimum	61	66	65	70	60	52	37	33	41	47	44	43	48	56	48	45	39	41	48	60	60	57	62	38	32	38	58	58	38	30	...	49.2
Mannington	Maximum	93	91	92	88	82	77	68	74	81	81	82	83	85	83	83	80	72	77	88	82	82	80	72	67	68	70	71	67	65	65	...	78.3
	Minimum	63	68	67	72	62	53	40	37	44	50	43	43	48	54	51	49	41	41	52	60	59	63	63	41	36	39	59	58	40	32	....	50.9
Morgantown	Maximum	100	90	92	90	92	81	68	69	80	87	85	86	88	89	88	80	69	78	91	86	84	78	75	69	68	74	76	76	66	67	....	80.7
	Minimum	68	67	70	68	70	58	42	38	41	54	52	54	60	53	54	52	44	44	60	60	59	61	60	43	39	49	58	56	43	34	....	53.7
New Cumberland‖	Maximum	100	96	92	87	84	73	70	77	85	82	84	88	88	86	87	80	72	78	92	83	88	90	74	68	71	73	76	67	65	..	...	81.2
	Minimum	67	68	69	70	66	59	45	45	48	55	44	46	49	55	50	54	52	41	44	58	60	59	64	43	40	39	48	57	43	34	....	52.4
New Martinsville	Maximum	100	97	98	92	88	82	76	80	88	82	85	88	91	90	88	81	75	83	94	83	90	88	89	85	78	72	69	68	70	70	...	84.0
	Minimum	70	69	69	73	66	58	46	45	48	56	49	47	52	59	55	55	45	46	52	64	62	61	65	45	40	43	59	60	45	37	....	54.8
Parkersburg	Maximum	98	91	94	86	85	74	70	75	84	85	84	86	89	87	89	81	76	84	90	78	82	84	74	69	71	70	71	68	67	71	....	80.4
	Minimum	72	72	71	72	67	60	49	50	50	61	57	52	58	64	62	58	53	51	60	67	66	64	57	50	45	52	60	52	44	38	....	57.8
Parsons	Maximum	100	96	90	84	86	74	67	73	83	84	86	88	88	85	86	85	83	81	93	85	84	82	68	71	75	70	73	70	66	67	...	80.8
	Minimum	64	62	61	64	61	52	43	38	44	48	48	49	48	55	51	50	40	31	46	56	58	60	57	47	39	38	48	47	40	34	....	49.3
Pickeus	Maximum	95	96	86	77	86	72	63	66	78	81	82	84	85	83	82	79	68	78	85	78	76	78	62	68	72	66	67	63	63	64	....	76.1
	Minimum	62	61	65	64	59	53	37	34	43	53	49	50	51	52	47	48	39	40	47	59	60	57	55	40	33	43	55	45	35	30	....	48.9
Terra Alta	Maximum	89	92	87	85	78	79	69	61	67	77	77	77	81	82	78	75	76	66	73	84	82	78	73	62	64	66	63	67	61	60	....	74.3
	Minimum	57	59	61	65	55	56	36	42	45	46	41	42	42	50	44	43	37	34	45	53	51	53	52	38	31	39	49	54	42	27	...	46.3
Wellsburg	Maximum	100	95	94	89	80	78	72	80	88	85	88	93	92	87	90	83	76	81	95	85	90	90	78	69	71	74	73	70	69	72	....	82.9
	Minimum	63	67	68	68	63	53	41	37	43	48	35	40	45	68	51	50	42	37	48	59	59	56	60	39	38	35	66	57	39	30	....	50.2
Westou	Maximum	100	99	96	95	88	87	74	75	80	85	87	82	90	91	90	87	87	85	90	88	85	86	85	69	65	68	70	71	70	70	.. .	83.2
	Minimum	65	71	70	73	65	60	45	41	45	52	51	52	53	58	52	53	44	43	53	60	62	61	60	45	46	39	58	59	40	36	....	53.7
Wheeling‖	Maximum	101	98	98	99	87	80	77	84	91	77	91	93	94	91	93	84	80	85	95	84	87	90	74	76	77	72	..	..	..	..	....	86.8
	Minimum	66	72	66	66	63	54	42	38	44	49	40	42	47	55	52	51	40	39	49	56	58	54	66	48	35	42	50	..	..	..	....	51.3
Southern Division																																	
Beckley	Maximum	96	97	87	83	86	75	75	68	79	84	84	81	84	83	83	81	73	82	87	74	80	83	72	71	75	63	75	68	66	68	....	78.8
	Minimum	63	62	64	67	59	55	43	41	40	53	52	53	52	50	51	47	49	37	53	61	59	56	56	50	33	49	55	54	34	31	....	51.0
Bluefield	Maximum	93	95	86	..	..	86	71	70	82	84	..	86	82	79	78	80	75	..	82	77	77	75	..	..	..	75	74	70	65	62	..	78.4
	Minimum	65	63	67	..	..	59	45	41	44	56	..	53	53	56	54	50	52	..	43	61	62	58	..	..	..	37	49	59	40	38	....	52.4
Charleston ‖	Maximum	104	104	93	86	86	81	73	74	83	86	85	84	87	87	85	83	73	82	89	74	82	82	70	72	74	71	73	76	73	74	....	81.5
	Minimum	72	72	71	73	70	64	52	48	49	53	59	59	60	60	59	57	52	47	49	55	63	63	66	53	46	46	59	63	47	44	....	57.7
Gary ‖	Maximum	98	100	93	85	89	78	70	72	86	87	85	87	86	86	85	82	76	86	89	79	83	82	73	72	77	64	79	70	67	71	....	81.2
	Minimum	66	65	63	69	66	63	47	41	42	50	52	55	54	52	52	50	50	40	47	53	57	59	60	59	45	56	56	59	43	41	....	53.7
Hinton ‖	Maximum	96	98	93	86	94	79	73	76	89	91	89	85	92	88	87	84	78	89	91	78	80	88	75	79	81	63	74	74	72	73	....	83.2
	Minimum	68	66	65	69	67	64	51	49	48	50	54	56	55	53	54	54	50	43	46	51	60	61	62	66	46	46	51	56	46	44	....	55.0
Huntington	Maximum	103	100	98	91	90	83	83	78	88	93	90	88	91	93	93	88	83	88	92	82	82	88	80	80	76	71	72	75	75	76	....	85.7
	Minimum	70	70	73	72	68	63	50	47	50	56	60	57	58	60	57	57	50	45	52	63	65	64	67	51	47	56	62	60	46	40	. ..	57.9
Lewisburg	Maximum	81	85	86	80	86	89	86	83	84	80	81	80	81	83	80	81	74	77	84	75	82	80	76	78	69	74	82	84	84	78	....	80.8
	Minimum	42	45	47	56	63	56	62	60	60	40	50	53	48	51	45	47	46	35	38	55	58	56	52	62	31	48	50	55	52	44	....	50.2
Marlinton	Maximum	90	88	80	76	80	72	64	66	76	76	76	76	78	76	72	74	64	74	80	70	70	76	70	68	66	56	64	62	60	60	....	72.0
	Minimum	56	66	58	64	56	54	38	40	38	44	46	50	46	44	44	44	34	32	38	48	52	52	54	44	32	44	48	46	34	32	....	45.9
Point Pleasant	Maximum	100	97	99	95	88	83	76	78	87	90	88	86	88	90	88	86	82	85	92	85	88	88	80	74	76	73	71	72	72	72	....	84.3
	Minimum	67	67	66	70	65	57	45	43	47	55	53	50	53	55	54	55	46	43	52	65	61	60	64	46	40	50	57	58	41	36	....	54.0
Rainelle	Maximum	93	95	85	78	85	76	66	69	80	80	82	80	83	81	81	79	71	81	83	70	77	81	69	70	73	59	70	65	65	68	....	76.5
	Minimum	58	57	61	67	59	54	39	38	37	52	44	52	46	45	45	43	37	31	37	55	55	55	55	46	34	46	49	53	35	32	....	47.2
Ravenswood	Maximum	102	97	95	88	87	83	74	75	85	89	86	85	90	90	90	85	79	85	92	85	84	85	77	72	74	72	74	70	70	72	....	83.1
	Minimum	67	68	68	72	67	57	44	42	47	58	54	49	54	60	54	53	43	42	51	67	68	62	63	50	40	52	56	58	41	37	....	54.8
Richwood	Maximum	96	92	94	92	93	90	85	81	78	82	80	85	86	88	85	84	82	85	86	84	86	85	85	70	75	77	79	80	70	65	....	83.3
	Minimum	51	53	60	62	60	56	42	37	38	41	42	49	47	48	49	41	40	36	38	58	55	52	57	38	38	37	42	37	38	33	...	45.8
Robertsburg‖	Maximum	105	100	96	94	96	82	81	83	84	96	91	78	84	86	77	87	82	66	87	80	71	78	77	71	72	68	78	75	75	68	....	82.3
	Minimum	62	67	67	71	63	56	43	41	45	53	53	50	53	56	54	56	44	40	49	58	60	63	62	50	41	49	55	58	40	36	...	53.2
Spencer ‖	Maximum	103	99	94	91	89	78	72	75	86	90	88	83	92	92	90	86	78	86	94	79	82	87	80	74	73	68	74	72	72	..	....	83.7
	Minimum	67	72	68	74	66	57	44	41	42	48	53	50	53	54	54	53	45	41	47	52	60	62	63	50	39	48	56	60	41	36	....	53.2
Sutton	Maximum	101	101	99	93	90	85	77	75	84	88	88	87	84	88	88	88	84	75	91	91	85	85	81	71	72	72	73	73	72	73	....	83.8
	Minimum	66	66	66	70	64	60	46	42	45	52	53	51	51	55	51	50	43	38	48	62	59	61	58	47	41	43	58	60	40	37	....	52.8
Union	Maximum	98	98	87	..	89	89	78	72	84	85	..	87	85	85	78	83	83	..	86	84	75	76	76	73	..	74	75	75	69	69	....	81.3
	Minimum	63	60	63	..	60	58	41	35	39	50	..	49	48	47	48	43	47	..	35	57	59	54	52	52	..	36	48	59	33	33	....	48.8
White Sulphur Spgs.	Maximum	96	96	92	82	82	88	77	70	75	77	75	80	79	78	81	77	80	78	77	81	76	76	77	75	72	70	60	75	67	62	....	77.7
	Minimum	60	60	62	66	64	59	57	35	40	44	40	49	49	47	48	44	45	34	40	41	57	57	57	49	34	35	47	58	37	35	....	48.3
Williamson‖	Maximum	100	99	96	89	88	80	74	75	85	88	85	87	86	86	87	82	77	84	89	83	80	86	70	74	78	68	77	71	71	71	....	82.2
	Minimum	69	70	69	72	69	65	48	46	47	51	56	56	57	56	57	56	51	44	48	51	64	62	64	55	44	50	60	64	48	44	....	56.4

‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.174	.223	.240	.269	.188	.166	.205	.155	.174	.176	.095	.181	.177	.199	.091	.287	.223	.247	.174	.203	.110	.113	.117	.073	.125	.166	.052	.074	.168	.137	....	4.982
	Wind movement	18	32	49	70	31	33	53	58	42	29	41	15	36	24	25	22	47	67	23	26	20	22	18	28	43	46	15	43	48	54	....	1,078

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 10-25-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XL PARKERSBURG, W. VA., OCTOBER, 1932 No. 10

GENERAL SUMMARY

October was somewhat warm and generally cloudy, with the temperature extremes well within previous records. Although the month was warm, the average temperature was more than 2.0° lower than for October, 1931. Unusually warm weather for the season prevailed during the first few days of the month, the highest temperature occurring generally on the 3d. The precipitation averaged much above the normal, except in the Ohio River counties and in the extreme southern districts. Heavy to excessive rains occurred in the eastern sections on the 6th, and 17-18th, causing considerable damage to corn on low bottoms by marked rises in the smaller streams and rivers. The first general killing frost of the season formed on the 29th, but on account of the lateness of the season very little damage resulted. Light snow or snow flurries occurred at many of the mountain stations on the 6th and 28th, with amounts ranging from trace to 3.0 inches. The weather was favorable for apple-picking, corn husking, and farm work. Meadows and pastures were much improved by the warm, wet weather.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 54.9°. The departure from the normal for 45 stations having ten or more years of record was +0.5°. Warm weather prevailed from the 2d to the 4th, 15th to the 20th, and from the 23d to the 26th, with the highest readings occurring generally on the 3d. Cool weather prevailed from the 5th to the 8th, 11th to the 14th, and on the 21st and 22d, and from the 28th to the 31st, with the lowest temperatures occurring generally on the 29th and 31st. The highest monthly mean was 60.0° at Huntington, and the lowest was 49.2° at Terra Alta. The highest temperature was 90° at Martinsburg on the 16th, and the lowest was 22° at Marlinton on the 29th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 3.91 inches. The departure from the normal for 64 stations having ten or more years of record was +0.82 inch. The precipitation was generally heavy over the eastern panhandle section, and light over the Ohio River counties. Light snow or snow flurries occurred generally in the mountain districts on the 6th and 28th. The greatest monthly precipitation was 7.21 inches at Harpers Ferry, and the least was 2.12 inches at Dam No. 19, Ohio River. The greatest amount in any 24-consecutive hours was 2.50 inches at Upper Tract on the 6th. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 14th; Arbovale, 14th and 15th; Bancroft, 3d, 10th, 14th, and 21st; Bens Run, 1st, 3d, 8th, 9th, 10th, and 22d; Charleston, 15th; Elkins, 3d, 8th, and 14th; Glenville, 1st, 7th, 8th, 14th, and 22d; Grafton, 1st, 14th, and 22d; Huntington, 1st, 5th, 19th, and 25th; Mannington, 22d and 24th; Marlinton, 1st, 2d, 3d, 8th, 9th, 10th, 14th, and 15th; Parkersburg, 1st and 14th; Pt. Pleasant, 9th; Richwood, 9th and 12th; Stony River Dam, 17th; Terra Alta, 7th, 14th, 17th, 19th, and 24th; Williamson, 22d.

Halo, lunar: Pickens, 14th.

Halo, solar: Parkersburg, 30th.

Thunderstorms; Creston, Parkersburg, and Valley Chapel, 27th.

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PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.02	83	57	65	190.9	55	5,651	7.6	24	w.	27
Columbus, Ohio	30.01	79	63	65	167.7	49	8,812	11.8	37	w.	27
Elkins	30.10	88	57	78	170.2	49	4,413	5.9	37	se.	17
Lexington, Ky	30.05	81	67	....	202.3	58	9,555	12.8	35	w.	27
Parkersburg	30.05	78	52	67	149.3	43	4,878	6.6	34	nw.	27
Pittsburgh, Pa	30.04	74	55	62	125.1	36	8,398	11.3	32	sw.	29
Wytheville, Va	30.05	82	56	71	188.0	54	4,846	6.5	27	w.	27

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	1.97	2.91	T.	......	7	......	......	......
1892	52.6	89	24	0.83	1.45	0.21	......	4	......	......	......
1893	54.1	86	16	4.74	7.22	1.00	......	5	21	6	4
1894	54.4	88	22	2.32	3.85	1.17	T.	7	16	8	7
1895	**48.1**	89	**8**	1.29	2.25	0.16	T.	5	22	5	4
1896	51.0	82	20	2.08	4.37	0.45	T.	7	14	9	8
1897	58.2	95	22	0.53	2.27	0.07	0	3	18	7	6
1898	55.6	95	19	4.84	8.50	2.48	T.	11	11	10	10
1899	56.8	91	19	1.42	3.81	0.23	0	5	15	7	9
1900	**60.9**	97	24	2.33	4.80	1.15	0	5	16	8	7
1901	54.3	86	19	0.54	1.95	0.12	0	3	19	6	6
1902	56.5	87	17	2.63	5.50	0.90	T.	6	16	8	7
1903	54.2	96	15	2.55	4.75	0.80	T.	6	17	7	7
1904	54.5	92	16	1.59	3.02	0.37	T.	5	18	8	5
1905	54.2	95	19	4.71	8.26	2.46	T.	6	13	8	10
1906	54.5	86	12	3.09	8.15	1.64	1.3	12	11	6	14
1907	50.3	87	19	2.65	5.12	0.54	0.1	7	15	9	7
1908	55.1	91	16	1.60	6.88	0.33	T.	5	18	7	6
1909	50.0	88	14	2.79	5.27	0.60	0.1	7	16	7	8
1910	58.1	95	15	1.85	2.96	0.80	0.7	6	18	7	6
1911	56.3	88	23	5.28	9.65	3.27	0	11	12	7	12
1912	55.5	93	20	1.34	3.10	0.20	T.	4	18	7	6
1913	54.5	92	12	4.50	8.11	1.78	0.3	11	12	6	13
1914	57.3	91	14	2.94	6.72	1.37	T.	9	12	8	11
1915	56.6	89	20	4.11	5.55	0.74	T.	6	17	7	7
1916	54.1	97	16	2.38	4.35	0.91	T.	7	19	5	7
1917	49.2	89	16	4.35	6.49	1.18	5.5	10	15	6	10
1918	58.2	89	24	3.68	7.53	1.59	T.	8	15	7	9
1919	62.3	**102**	28	5.84	11.88	2.13	0	14	9	7	15
1920	57.5	90	21	1.15	2.53	0.10	0 1	4	22	4	5
1921	53.7	88	21	2.48	5.76	0.30	0.1	8	18	5	8
1922	55.4	93	18	2.45	4.81	0.39	T.	6	19	5	7
1923	52.1	93	12	1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	87	14	**0.40**	1.28	0	T.	2	23	4	4
1925	49.3	86	14	**7.30**	**13.08**	2.19	4.3	16	5	7	19
1926	54.9	92	20	4.79	8.74	1.04	0.3	12	10	8	13
1927	57.0	100	21	4.13	11.10	1.14	0.4	8	19	4	8
1928	56.7	94	12	1.98	3.26	0.58	0.1	7	14	7	10
1929	52.6	89	21	6.17	10.93	3.92	0.1	11	13	6	12
1930	50.5	94	**8**	0.96	1.89	0.08	0.2	6	17	6	8
1931	57.0	98	18	1.66	3.03	0.58	T.	8	16	6	9
1932	54.9	90	22	3.91	7.21	2.12	0.1	9	12	7	12
1891-1932	54.6	102	8	2.85	13.08	0	0.4	7	16	7	8

Climatological Data for October, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	50.0	+1.0	79	3	23	29	45	4.35	+0.44	1.60	0.2	9	16	6	9	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	54.6	+4.7	82	8	27	29	52	5.65	+3.42	2.50	0	5	17	0	14	n.	Elmer Keister
Circleville	Pendleton	....	0	....	....	....	....	....	....	....	5.34	....	1.90	0.2	8	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	....	....	....	....	....	....	....	7.21	+4.17	2.14	0	10	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	2	55.2	....	83	2†	29	31	35	5.95	....	2.21	0	8	12	8	11	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	[a]55.8	+1.3	90[a]	16	30	31	54[a]	5.85	+2.95	1.75	0	11	17	9	5	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	36	56.6	+1.0	87	3	23	31	48	4.24	+1.97	2.10	0	4	23	0	8	....	M. S. Henkel
Piedmont	Mineral	1,053	19	52.8	−0.5	82	3	29	29	37	5.67	+2.91	2.27	0	14	13	11	7	se.	C. A. Suter, Jr.
Romney	Hampshire	824	34	[a]53.8	−1.1	87[a]	4†	28	29†	48[a]	5.39	+2.83	1.46	0	8	10	4	17	....	George E. Bergdoll
Stony River Dam	Grant	3,300	12	....	....	....	....	....	....	....	6.17	+3.07	2.00	1.5	10	4	4	23	w.	A. C. Becker
Upper Tract	Pendleton	1,230	33	[d]50.6	−3.9	79[d]	1	29[d]	31	44[d]	5.35	+3.22	2.50	0	4	....	....	....	....	J. M. Mallow
Wardensville	Hardy	1,200	15	[c]54.5	....	84[c]	3	27[b]	31	47[e]	5.66	....	2.20	0	8	8[f]	7[f]	10[f]	....	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8	....	....	....	....	....	....	....	3.67	....	1.02	0	8	9	12	10	w.	L. Else Bond
Alma (near)	Tyler	800	5	....	....	....	....	....	....	....	3.54	....	1.08	0	13	10	10	11	....	D. N. Furbee
Alpena	Randolph	2,571	2	[a]49.8	....	75[a]	3	25[a]	31	45[a]	4.03	....	1.21	2.0	9	11	11	9	w.	Christian Hertig
Benson	Harrison	1,080	8	54.6	....	80	2†	28	29	43	3.72	....	0.90	0	9	8	20	3	....	John A. Clark
Bens Run	Pleasants	652	30	58.4	+1.9	83	3†	36	22	35	2.86	−0.18	0.78	0	10	10	11	10	....	J. D. Riggs
Brownsville	Lewis	1,032	9	55.6	....	83	3	30	29	49	4.01	....	0.95	0	10	16	9	6	....	George M. Meyers
Bruceton Mills	Preston	1,549	15	....	....	....	....	....	....	....	2.49	−1.75	0.73	0	8	4[a]	15[a]	11[a]	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	54.8	+1.1	78	4	31	29	34	3.66	+0.31	1.00	0	8	17	6	8	....	H. A. Darnall
Cairo[t]	Ritchie	680	31	57.2	+1.5	86	26	30	29†	48	4.28	+1.32	1.37	0	7	12	4	9	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	54.0	+1.0	83	3	30	29	44	3.23	−0.13	1.20	0	11	8	12	11	w.	Clarksburg Water Board
Crawford	Lewis	1,107	9	....	....	....	....	....	....	....	4.23	....	0.94	0	12	12	12	7	sw.	George W. Blair
Creston	Wirt	640	30	55.8	+0.1	84	3	30	14†	44	3.91	+0.71	1.14	0	7	11	6	14	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	11	....	....	....	....	....	....	....	2.93	....	1.12	0	9	....	....	....	....	Lockmaster
Dam 12 O. R.	Ohio	660	16	....	....	....	....	....	....	....	2.36	−0.74	0.80	0	11	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	16	....	....	....	....	....	....	....	3.13	+0.15	0.95	0	11	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	11	....	....	....	....	....	....	....	2.89	....	1.10	0	10	....	....	....	....	Lockmaster
Davis	Tucker	3,093	23	....	....	....	....	....	....	....	4.15	+0.05	1.60	2.1	9	....	....	....	....	Mrs. I. C. Bennett
Elizabeth(Dam 3 L. K)	Wirt	615	20	....	....	....	....	....	....	....	3.05	−0.43	0.90	0	9	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	31	51.9	−0.4	78	3	27	29	42	3.87	+0.96	1.69	1.0	13	6	10	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	26	[a]55.4	+0.5	85[a]	3	32	22	41[a]	3.18	+0.25	1.15	0	10	8	9	14	w.	J. C. Robinson
Glenville	Gilmer	738	38	56.2	+0.2	85	3†	31	29	42	4.33	+1.18	1.33	0	10	16	4	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	55.4	+0.3	84	3	30	29	44	4.33	+1.16	1.05	0	9	8	5	18	....	W. E. Clayton
Horner	Lewis	1,044	9	....	....	....	....	....	....	....	3.01	....	0.78	0	6	....	....	....	....	Foster R. Hardman
Janelew (near)	Lewis	1,020	9	55.9	....	83	3	29	29	44	3.63	....	1.02	0	8	15	4	12	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	55.4	+1.2	85	3	26	29	49	4.37	+1.48	0.98	0	10	13	7	11	w.	Allen Smith
Mannington	Marion	985	29	54.1	+0.5	78	3†	29	29	41	3.12	−0.02	0.76	0	13	10	6	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	55.2	0	81	2	32	31	36	2.42	−0.75	0.80	0	10	9	11	11	w.	Bruce Davis
New Cumberland	Hancock	671	34	[a]55.0	+1.1	81[a]	4	29	31	43[a]	2.17	−0.61	0.52	0	13	10	8	13	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	57.7	+1.0	87	8	32	22	50	3.02	+0.05	0.85	0	9	10	7	14	n.	Wm. Ankrom
Parkersburg	Wood	638	45	56.9	+0.8	82	3	34	22	36	2.46	−0.02	0.79	0	12	8	7	16	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	[b]53.8	+2.3	84[b]	3	29[a]	29	47[b]	2.74	−0.55	....	T.	5	14[a]	8[a]	8[a]	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Robert T. Deem
Philippi	Barbour	1,550	35	....	....	....	....	....	....	....	4.28	+1.21	1.62	0	11	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	29	51.6	0	77	3	25	28	42	5.61	+1.37	1.20	2.0	10	15	8	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	....	....	....	....	....	....	....	3.78	....	0.99	0	10	19	1	11	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	....	....	....	....	....	....	....	3.45	+0.25	1.00	T.	11	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	23	....	....	....	....	....	....	....	2.94	−0.26	0.78	0	11	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	31	[b]49.2	0	76[b]	4†	25[b]	29†	40[b]	3.32	−0.61	1.18	1.1	11	5	8	18	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	....	....	....	....	....	....	....	4.58	....	1.57	3.0	12	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	9	56.4	....	82	3†	31	29	40	3.50	....	0.98	0	9	9	8	14	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	....	....	....	....	....	....	....	4.77	....	1.15	0	9	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	25	54.7	+1.3	83	3	27	31	45	3.20	+0.31	0.54	0	10	10	12	9	....	George P. Pfister
West Milford	Harrison	979	7	....	....	....	....	....	....	....	4.02	....	1.05	0	9	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	57.0	+1.6	82	3	31	29	42	4.28	+1.26	1.61	0	12	3	20	8	....	A. Henry
Wheeling°	Ohio	645	45	52.3	−2.5	85	3	25	27	49	2.46	−0.17	0.80	0	12	4	8	16	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	5	....	....	....	....	....	....	....	2.25	....	0.90	0	6	12	5	14	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	....	....	....	....	....	....	....	4.17	....	1.63	0.5	8	13	6	12	s.	H. S. Sutton
Bancroft	Putnam	574	28	[a]54.3	−2.3	78[a]	25	30	30	35[a]	3.42	+0.37	1.32	0	7	19	1	11	ne.	Charles N. Long
Beckley	Raleigh	2,440	29	....	....	....	....	28	7†	....	4.40	+1.46	0.95	0	11	16	8	7	....	L. A. Mauck
Bluefield °	Mercer	2,558	37	55.2	−0.5	76	24	30	7	40	4.32	+1.38	1.60	0	11	12	4	10	....	Norfolk & Western Ry.
Charleston	Kanawha	600	29	58.8	0	86	3	32	7	41	4.38	+1.46	1.55	0	8	6	7	18	....	D. J. M. Cook
Clay	Clay	706	16	....	....	....	....	....	....	....	4.42	+1.13	1.71	0	11	....	....	....	....	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	....	....	....	....	....	....	....	3.53	....	1.46	0	6	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	16	....	....	....	....	....	....	....	2.12	−1.20	0.60	0	10	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	16	....	....	....	....	....	....	....	2.93	−0.41	0.68	0	10	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	16	....	....	....	....	....	....	....	2.65	−0.06	1.43	0	9	....	....	....	....	U. S. Engineers Office
Durbin	Pocahontas	2,724	0	....	....	....	....	....	....	....	4.54	....	1.72	T.	8	....	....	....	....	Mrs. D. R. Gandinees
Gary	McDowell	1,426	16	[a]55.6	+0.1	82[a]	3	30[a]	29	43[a]	4.05	+0.79	1.38	0	11	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	57.4	+0.4	85	3	32	29†	45	4.27	+1.62	1.93	0	9	19	6	6	....	Mrs. M. L. McClung
Huntington	Cabell	538	35	60.0	+4.0	85	3	31	30	40	2.59	−0.03	0.81	0	9	10	13	8	w.	H. N. Robinson
Kanawha Falls	Fayette	618	13	....	....	....	....	....	....	....	4.85	+1.53	1.87	0	8	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	16	....	....	....	....	....	....	....	4.95	+1.14	2.03	0	10	....	....	....	....	Cabin Creek. Con Coal Co
Kermit	Mingo	579	6	....	....	....	....	....	....	....	2.67	....	1.32	0	5	....	....	....	....	E. B. Kirk
Kingston	Fayette	1,481	2	....	....	....	....	....	....	....	4.68	....	1.20	0	7	15	0	16	....	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	53.6	+0.4	77	3	24	30	41	4.03	+1.12	1.02	0	4	16	5	10	....	Rose Argabrite
Logan	Logan	700	29	....	....	....	....	....	....	....	4.18	+1.33	1.58	0	7	....	....	....	....	J. R. Wampler
Madison	Boone	675	11	56.6	+1.2	84	3	30	29	42	4.42	+1.99	1.42	0	6	20	4	7	....	T. A. Stout
Marlinton	Pocahontas	2,131	33	49.6	0	70	3	22	29	40	4.78	+1.67	1.80	T.	10	10	12	9	w.	S. L. Brown
Point Pleasant	Mason	595	39	57.0	−0.2	82	3†	30	30	42	2.60	−0.14	1.26	0	8	14	6	11	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	2	[a]50.3	....	76[a]	3	23[a]	29	46[a]	4.98	....	1.90	0	10	14	3	14	....	L. G. Swing
Ravenswood(Dam 22)	Jackson	584	9	58.1	+2.5	83	3	30	30	39	2.69	−0.53	0.98	0	8	13	0	18	sw.	Lockmaster
Richwood	Nicholas	2,193	2	55.0	....	79	3	29	30	41	4.43	....	1.13	T.	11	6	0	25	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	54.9	−1.7	85	2†	26	30	44	2.64	−0.14	1.33	0	8	19	0	12	....	M. Frazier
Ryan	Roane	700	29	55.4	+3.0	85	3	25	30	46	4.48	+1.11	1.28	0	9	14	7	10	....	Wm E. Ryan
Sharples	Logan	889	12	....	....	....	....	....	....	....	4.34	+1.60	1.85	0	4	....	....	....	....	R. W. Howard
Spencer	Roane	789	28	[a]55.8	+1.0	85[a]	3	30	30	43[a]	4.07	+0.90	1.28	0	9	14	9	8	....	A. M. McKown
Sutton	Braxton	850	26	57.4	+0.8	83	3†	30	29	43	5 00	+1.80	1.25	0	10	21	0	10	....	C. B. Eakle
Union °	Monroe	2,250	28	55.0	+0.8	78	3	27	29	45	3.47	+0.50	1.57	0	4	14	5	7	....	W. M. H. Young
Wayne	Wayne	598	5	....	....	....	....	....	....	....	2.74	....	1.23	0	7	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	22	....	....	....	....	....	....	....	4.10	....	1.50	....	7	....	....	....	....	A. P. Spence
Williamson	Mingo	673	32	56.8	−0.9	80	3	33	30	36	4.18	+1.37	1.61	0	9	16	8	7	ne.	J. E. Dotson
State averages and	extremes	....	....	54.9	+0.5	90	16	22	29	54	3.91	+0.82	2.50	0.1	9	12	7	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for October, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖	Potomac				T.	.57	1.12					.12		T.			.14	1.60	.21	.05								.39	.15				4.35
Brandywine	do						1.95											2.50	.15								.05	1.00					5.65
Circleville	do					.17	1.90					T.					.09	1.43	.78	.36	T.						T.	.58	.03				5.34
Harpers Ferry ‖	do					.60	2.00	.32										.93	2.14	.41	.02				.10	T.	.03	.66					7.21
Kearneysville	do				T.	.64	2.21							T.			.30	1.39	.68	.08				.11	T.			.54					5.95
Martinsburg ‖	do					.30	1.35	.25							.05			1.30		1.75	.05			.10	.05	.05	.60				T.		5.85
Moorefield	do						2.10												1.50	.04								.60					4.24
Piedmont	do				T.	.98	1.03	.02				.04		.02			.31	2.27	.20	.14	T.			.10	T.	.11		.32	.07		.06		5.67
Romney‖	do					.14	1.46	.27										1.40	1.05	.35					.08			.64					5.39
Stony River Dam	do					.15	1.35	.26				.15						1.75	2.00	.10					.04			.29	.08				6.17
Upper Tract	do						2.50											2.20	.10					T.				.55					5.35
Wardensville‖	do					.30	2.20	.04			T.							1.10	1.20	.76	.04				.02			T.					5.66
Northern Division																																	
Aberdeen	Monongahela					.64	1.02							T.			.21	.80	.14	T	T.			.07				.68	.11				3.67
Alma (near)	Ohio					1.08	.49					.13		.01			.09	.69	.25					.10	.01		.22	.30	.13			.04	3.54
Alpena	Monongahela					.63	1.21					.05					.18	.95	.32	.12								.44	.13				4.03
Benson	do					.58	.90										.28	.81	.12	.02				.10				.80	.11				3.72
Bens Run	do					.78	.35					.14		.02			.05	.68	T.					.01			.13	.69	.01				2.86
Brownsville	do					.70	.95					.11		.02			.17	.92	.12	.04								.82	.16				4.01
Bruceton Mills	do				T.	.65	.01					.10		.15			.73	T.	T.					.20			.45	.20					2.49
Buckhannon	do				T.	.70	1.00							T.			.26	.75	.15	.05				.10				.65					3.66
Cairo	Little Kanawha					1.37	.68											1.12	.05					.05				.80	.21				4.28
Cheat Bridge‖	Monongahela																																
Clarksburg‖	Little Kanawha					.16	1.20	.02				.07					T.	.71	.14	.08	.03				.09			.59	.14				3.23
Crawford‖	do					.66	.94					.09					.23	.87	.21	.13	.02			.08				.81	.11			.08	4.23
Creston‖	Monongahela					.34	1.14					.20						1.04	.40									.70	.09				3.91
Dam 10, Mon. R.‖	Ohio					.11	1.12					.10		T.	.06			.51	.13						.08			.73	.09				2.93
Dam 12, O. R.‖	do					.10	.80					.07		.04	.09			.19	.22	.05				T.	.22			.43	.15			T.	2.36
Dam 13, O. R.‖	Monongahela					.05	.95					.15		.05				.15	.40	.19					.31			.65	.20			.03	3.13
Dam 15, Mon. R.‖	do					.14	1.10	.02				.10						.52	.14	.02					.15			.58	.12				2.89
Davis ‖	do					.20	1.60	.10				.10		T.			T.	1.08	.25						.10			.60	.12				4.15
Elizabeth (D'm 3 LK)	Little Kanawha					.28	.90					.17						.70	.22	.02				.06					.15			.55	3.05
Elkins***	Monongahela				.05	.97	.75					.10		T.			.62	.22	.05	.08	T.			.06			.58	.25	.03			.11	3.87
Fairmont‖	do					.23	1.15	.05				.06		T.				.52	.20	.05					.15			.62	.15				3.18
Glenville ‖	Little Kanawha					.30	1.33					.16					.05	1.06	.42		.07				.03			.76	.15				4.33
Grafton ‖	Monongahela				T.	.85	1.05	.06				.12		.02			.13	.58		T.						T.	1.03	.49					4.33
Horner	do					.60											.55	.67	.27									.78	.14				3.01
Horton	do																																
Janelew (near)	do					.50	1.02										.10	.85	.20					.11				.65	.20				3.63
Lost Creek	do					.68	.98					.04		T.			.15	.76	.03	T.				.22				.75	.11			.65	4.37
Mannington	do					.69	.76	.02				.09		.03			.07	.46	.12	.03				.10	.04			.53	.18			T.	3.12
Morgantown	do				.40	.80	.07				.10		T.			T.	.05	.50	.05	T.		.10					.25	.10					2.42
New Cumberland‖	Ohio	T.				.15	.41	T.				.02		.07	.08			.27	.15	.02	T.			.14	.16			.52	.15			.03	2.17
New Martinsville	do					.85	.42					.10						.70	.05					.08			.16	.54	.12				3.02
Parkersburg***	do				.09	.38	.01				.19	.01		T.			.19	.72	.02					.01			.45	.08				.31	2.46
Parsons	Monougahela				*	*	1.64							T.					.70	T.								.40					2.74
Parsons No. 2	do																																
Philippi	do					.30	1.62					.14					.02	.77	.10	.10	.02				.15			.79	.27				4.28
Pickens	do					1.20	.83					.37					.36	.96	.40	.22	.18							1.01	.08				5.61
Roanoke	do					.57	.99					.06					.18	.90	.14	.10	.01							.73	.10				3.78
Rowlesburg‖	do					.17	1.00	.29				.05						.52	.21	.06	.02				.04			.79	.30				3.45
Saint Marys‖	Ohio					.22	.78					.19		T.	.02			.52	.37		.02			.02	.02			.68	.10				2.94
Terra Alta	Monongahela					.17	1.18	.04				.08	T.	T.	T.			.65	.15	.06	.01	T.			.09			.61	.28				3.32
Thomas ‖	do					.20	1.57	.09				.13						.75	.55	.06	.02	.01			.17			.63	.40				4.58
Valley Chapel	do					.54	.98					.11					.10	.85	.10	T.				.10				.62	.10				3.50
Vandalia	do					.60	.91					.06					.51	.60	1.15	.09								.76	.09				4.77
Wellsburg	Ohio					.30	.23					.40		.12				.34	.40	T.				.37	.03			.47	.54		T.		3.20
West Milford	Monongahela					.63	.92				.15							1.05	.10	.10				.20				.72	.15				4.02
Weston	do					.17	1.61	.03				.16					.04	.96	.22	.03	.02				.12			.76	.16				4.28
Wheeling‖	Ohio					.10	.80					.07		.03	.05			.22	.32	.05	T.			T.	.22			.43	.16			.01	2.46
Woodlands‖	do					.09	.90												.25					T.	.16			.60	.25			T.	2.25
Southern Division																																	
Arbovale	Great Kanawha				.20	.56	.70					.02					1 63		.11									.82	.13				4.17
Bancroft ‖	do					.40	.82					.15					.04	1.32										.63	.06				3.42
Beckley	do				T.	.95	.68					.17					.67	.76	.05	.08							.27	.44	.05			.28	4.40
Bluefield	do				.01	.70	.90					.14						1.60	.06	.05							.04	.65	.03			.14	4.32
Charleston ‖	do					.37	1.29	.02				.12					T.	1.55	.35									.66	.02				4.38
Clay‖	do					.25	1.08	.04				.09					.06	1.71	.16	.07	.08				T.			.82	.06				4.42
Dam 6 G. K ‖	do					.28		1.05										1.46	.13									.59	.02				3.53
Dam 19 O. R. ‖	Ohio					.13	.31	T.				.22		T.			T.	.60	.16	.02				.01	T			.54	.11			.02	2.12
Dam 20 O. R. ‖	do					.17	.34	.03				.20						.65	.22	.02			T.	T.	T.			.50	.12			.68	2.93
Dam 25 O. R. ‖	do					.22	.27					.16					.04	1.12	.02	T				T.				.55	.20				2.58
Dam 26 O. R. ‖	do					.31	.40					.07					.03	1.43	.02					.03				.33	.03				2.65
Durbin	Great Kanawha					.20	1.72	.15									.20	1.30	.14									.60	.23				4.54
Gary ‖	Big Sandy	.01				.18	1.38					.13					.09	1.08	.01	.03								1.02	.01	.11			4.05
Hinton‖	do					.03	1.38	T.				.09					.08	1.93	.12	.06								.56	.02				4.27
Huntington	Ohio				.16	.40	.03					.12					.40	.81		T.							.32	.17				.18	2.59
Kanawha Falls‖	Great Kanawha					.20	1.45					.18					.09	1.87	.19	.02								.85					4.85
Kayford‖	do					.23	2.03	.09				.30					.05	1.25	.03	.03	T.							.93	.01				4.95
Kermit‖	Big Sandy					.26	.36					.08						1.32										.65					2.67
Kingston	Great Kanawha					1.05	.65					.10					1.20	.68	.10									.90					4.68
Lewisburg	do					1.02											.98	1.02										1.01					4.03
Logan‖	Guyandotte					.40	1.12	T.				.18					.05	1.53		.02								.88					4.18
Madison	Great Kanawha				.38	1.19	T.				.21					T	1.42	T.	T.								.80	T.				.42	4.42
Marlinton	do				.18	.74	.60					.04					.92	.88	.32									.80	.08			.22	4.78
Point Pleasant‖	Ohio					.22	.30					.13					.03	1.26			.02			T.				.52	.12				2.60
Rainelle	Meadow Creek					.55	.90				T	.20		T.			*	1.90	.27	.06	.10						.75			T.		.25	4.98
Ravenswood (Dam 22	Ohio‖					.16	.49					.12						.98	.24					T.	.03			.52	.14			T.	2.69
Richwood	Great Kanawha					1.13	.50		.02			.20					.30	.90	.14	.10	.13							.98				.03	4.43
Robertsburg‖	do					.22	.40	T.				.11					.06	1.33	.05					T.				.44	.03				2.64
Ryan	do					1.13	.60					.14					.38	1.28	.02								.49	.38				.06	4.48
Sharples‖	Coal River						1.52					.32					T.	1.85	T.	T.								.65					4.34
Spencer ‖	Great Kanawha					.22	1.28	.04				.13					T.	1.21	.24	T.	T.			.05				.78	.12				4.07
Sutton	Gauley					.75	1.15					.20					.20	1.25	.30	.10			.10					.85	.10				5.00
Union	do					.32	1.10					T.						1.57	.48										T.			T.	3.47
Wayne ‖	Big Sandy					.17	.50					.13					.02	1.23										.66	.03				2.74
White Sulpr. Spgs.‖	Great Kanawha				.20	1.15					.10						1.50	.50	.05													.60	4.10
Williamson‖	Big Sandy					.32	.90					.29					.03	1.58	.08	.02								.94	.02				4.18

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for October, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	68	70	79	72	65	45	53	75	73	68	61	48	57	62	70	60	61	62	60	67	61	60	60	59	65	71	65	49	64	58	63	62.9
	Minimum	37	37	35	37	45	32	34	30	29	30	35	35	28	30	28	44	53	55	55	54	38	38	31	43	41	43	36	32	23	33	33	37.2
Brandywine	Maximum	80	81	75	72	76	70	65	82	78	75	70	60	60	61	72	70	65	67	64	76	67	70	72	70	65	75	64	65	67	65	67	69.9
	Minimum	30	34	40	35	45	38	36	30	32	38	37	36	35	34	35	48	55	55	55	56	42	29	34	40	49	55	43	37	27	30	31	39.4
Kearneysville	Maximum	79	83	83	74	74	61	62	73	75	75	67	58	54	54	63	60	62	64	64	72	67	68	60	60	56	59	69	55	65	63	62	65.8
	Minimum	46	48	48	50	60	44	42	38	41	44	47	42	35	30	33	51	57	60	59	57	47	41	40	41	49	50	50	44	33	30	29	44.7
Martinsburg‖‖	Maximum	80	80	85	74	74	55	65	76	75	72	75	59	58	60	65	90	65	64	65	72	68	72	55	60	70	68	58	60	68	55	..	68.1
	Minimum	37	46	45	47	54	44	44	38	38	40	43	43	35	33	34	36	52	50	57	57	48	45	42	50	52	52	45	32	32	43	30	43.4
Moorfield	Maximum	82	86	87	82	75	56	64	78	80	78	72	59	60	59	65	65	66	67	68	76	72	72	68	65	62	77	74	70	75	71	60	70.7
	Minimum	35	38	41	45	53	42	38	34	38	42	48	37	35	38	38	48	55	58	58	57	55	34	39	40	48	56	44	40	28	35	23	42.6
Piedmont	Maximum	72	74	82	74	64	51	56	73	72	69	52	49	54	60	59	54	61	64	65	71	65	64	60	53	54	73	69	53	66	60	55	62.8
	Minimum	39	40	45	45	48	39	38	39	42	41	40	32	37	33	33	47	54	59	58	57	46	44	41	48	51	54	44	40	29	36	30	42.9
Romney‖‖	Maximum	79	82	87	73	81	66	68	71	80	87	50	58	45	60	69	60	62	64	65	75	57	70	56	54	66	76	60	56	41	55	..	65.8
	Minimum	37	40	44	46	50	40	40	33	36	39	45	40	32	35	33	35	52	58	59	57	47	43	38	45	48	53	47	40	28	31	28	41.9
Upper Tract	Maximum	79	78	78	75	..	46	..	71	72	72	65	52	53	58	58	56	56	..	60	60	..	59	58	60	61	70	68	55	55	51	51	62.1
	Minimum	36	35	34	42	..	39	..	35	34	41	38	37	36	35	36	36	36	..	56	55	..	35	34	40	42	57	44	43	39	30	29	39.0
Wardensville	Maximum	78	80	84	72	73	69	61	79	77	65	59	60	62	67	..	62	63	63	64	76	62	70	57	73	63	70	61	55	..	53	..	67.1
	Minimum	33	36	40	43	60	41	40	32	35	45	37	33	35	33	46	..	55	57	58	55	44	34	36	48	45	52	48	40	28	..	27	41.9
Northern Division																																	
Alpena	Maximum	65	60	75	65	63	45	..	73	71	66	59	48	56	65	71	58	62	66	61	68	61	62	67	64	64	65	64	45	62	55	58	62.1
	Minimum	31	34	35	49	44	31	..	28	33	35	34	34	33	30	34	44	52	54	55	53	35	37	32	36	41	54	37	32	26	31	25	37.6
Bens Run	Maximum	75	79	83	83	75	60	60	76	76	75	69	59	64	66	72	66	66	70	70	73	66	66	70	76	80	76	69	56	62	55	73	69.9
	Minimum	44	48	54	54	50	45	39	41	46	45	44	42	43	39	42	55	58	60	62	60	43	36	45	49	49	58	40	41	38	41	39	46.8
Buckhannon	Maximum	69	71	75	78	68	50	64	69	68	69	68	54	60	62	72	65	72	69	65	70	67	59	64	71	75	74	70	53	65	57	67	66.5
	Minimum	37	41	45	47	50	38	35	35	39	42	43	40	38	35	38	52	58	59	60	59	42	34	42	48	46	43	45	40	31	39	35	43.1
Cairo	Maximum	76	80	84	83	77	52	61	77	75	78	..	..	..	..	..	..	76	73	69	74	73	68	75	79	80	86	85	56	65	65	73	73.6
	Minimum	34	38	44	45	49	44	31	47	37	39	..	..	..	..	..	..	31	58	60	58	35	30	40	46	42	44	37	38	30	30	32	40.8
Clarksburg ‖‖	Maximum	73	77	83	77	56	50	59	78	75	73	46	55	61	69	76	63	71	70	67	72	56	65	70	75	80	77	56	53	64	52	72	66.8
	Minimum	35	39	44	45	54	41	35	34	37	40	41	40	35	37	35	39	54	58	60	59	39	31	38	44	42	46	39	38	30	31	36	41.2
Creston	Maximum	78	80	84	80	75	52	62	77	75	74	68	59	65	69	74	66	69	73	69	77	71	67	76	78	79	77	71	53	65	59	70	70.7
	Minimum	34	38	41	41	47	43	31	33	36	36	43	39	36	30	34	51	58	59	60	58	35	32	40	44	41	62	35	36	30	30	34	40.9
Elkins	Maximum	69	72	78	70	65	45	55	74	72	69	64	51	60	67	75	62	68	68	62	68	53	63	74	72	68	70	53	47	65	48	61	64.1
	Minimum	35	38	42	48	41	33	35	32	35	38	38	35	35	36	34	49	57	58	58	53	37	32	38	47	46	46	35	31	27	31	31	39.7
Fairmont‖‖	Maximum	77	80	85	76	55	56	62	79	77	73	47	54	58	64	74	64	72	71	66	72	56	68	66	80	82	82	61	55	60	56	..	67.6
	Minimum	40	44	48	50	55	43	35	38	40	43	42	39	36	38	37	44	44	59	60	59	42	32	40	48	48	48	41	39	33	36	35	43.1
Glenville	Maximum	78	80	85	71	63	41	51	67	66	64	59	59	66	72	78	68	73	73	69	75	73	69	74	79	81	85	75	57	68	61	75	69.5
	Minimum	36	40	43	44	50	37	33	36	39	41	44	41	35	35	36	54	58	60	62	60	40	34	42	46	43	52	42	42	31	37	35	42.8
Grafton	Maximum	76	78	84	74	71	51	61	78	61	71	67	51	60	60	77	66	72	75	66	72	68	66	72	77	78	77	72	55	64	58	73	68.8
	Minimum	35	38	44	45	49	40	34	34	39	40	42	40	33	33	38	51	57	55	59	58	45	33	38	51	40	51	41	38	30	38	33	42.0
Lost Creek	Maximum	78	80	85	80	73	52	60	80	79	73	68	62	63	72	78	71	70	71	68	73	70	68	77	80	78	73	68	56	66	68	69	71.3
	Minimum	31	38	39	41	49	40	31	31	34	37	40	32	41	30	31	50	55	56	59	58	36	29	36	42	42	45	40	38	26	31	34	39.4
Mannington	Maximum	70	74	78	74	72	50	57	71	70	71	69	54	58	62	71	64	70	69	67	72	69	62	65	73	77	78	74	52	63	59	71	67.3
	Minimum	35	38	44	42	49	43	34	34	37	39	42	38	34	34	34	49	49	54	60	58	40	31	37	43	42	57	38	39	29	36	30	40.9
Morgantown	Maximum	66	81	77	61	52	58	76	74	73	64	54	54	60	75	66	76	77	77	72	73	63	64	77	78	79	72	53	49	62	50	61	66.9
	Minimum	43	51	42	45	40	35	40	45	50	38	37	36	34	40	56	55	50	49	56	57	35	36	52	52	59	39	38	36	36	36	32	43.5
New Cumberland‖‖	Maximum	76	79	80	81	52	54	63	76	76	74	52	54	52	63	75	72	64	68	69	74	59	68	58	74	78	78	57	53	61	45	..	66.2
	Minimum	39	50	57	51	50	45	39	38	42	45	41	42	32	35	32	39	51	59	60	59	45	37	40	47	45	49	40	41	34	41	29	43.7
New Martinsville	Maximum	76	80	83	82	70	50	74	87	71	72	68	68	52	72	73	66	70	71	73	74	74	69	69	78	82	81	63	60	63	57	74	71.1
	Miuimum	40	44	50	50	48	44	36	37	43	43	42	42	39	37	40	52	58	58	60	59	37	32	41	47	45	58	42	39	34	40	37	44.3
Parkersburg	Maximum	76	78	82	80	66	51	61	76	74	75	52	57	65	65	72	64	64	69	68	75	52	66	74	77	79	76	56	56	64	53	72	67.6
	Minimum	42	50	54	59	46	43	38	40	45	45	42	42	43	36	44	59	59	60	61	50	39	34	50	52	52	48	42	39	39	39	39	46.2
Parsons	Maximum	73	70	84	74	68	50	63	78	76	72	64	53	60	73	75	71	73	74	67	73	75	66	74	71	67	65	69	64	53	..	..	68.8
	Minimum	33	35	37	45	46	33	32	33	37	40	38	37	32	38	35	34	47	50	59	58	39	36	37	37	40	45	37	33	29	35	..	38.9
Pickens	Maximum	72	70	77	70	62	50	54	75	70	69	60	54	59	68	75	59	72	64	62	68	60	64	72	75	70	68	54	45	64	52	54	64.1
	Minimum	40	41	43	54	42	32	30	33	39	43	33	34	31	32	40	51	52	54	50	50	34	32	36	42	49	50	34	25	29	30	29	39.2
Terra Alta	Maximum	61	65	69	76	69	69	43	52	73	72	67	39	48	51	63	67	59	..	65	65	64	..	56	58	56	62	76	50	47	65	45	60.4
	Minimum	35	45	38	41	55	32	32	32	33	35	36	33	27	27	29	35	50	..	54	57	54	..	30	43	45	49	37	32	25	32	25	37.9
Wellsburg	Maximum	76	80	83	80	73	55	64	78	77	74	65	55	50	64	75	72	64	69	68	73	65	67	61	76	81	80	68	54	61	48	69	68.5
	Minimum	36	40	48	46	48	45	34	33	37	39	41	41	32	35	31	45	56	57	59	45	45	30	38	42	42	48	37	39	30	41	27	40.9
Weston	Maximum	75	78	82	80	76	59	60	78	75	76	75	55	75	72	78	75	68	70	69	72	70	65	70	72	78	75	72	54	58	55	71	70.6
	Minimum	38	42	45	46	50	45	35	36	45	42	40	40	38	35	38	52	49	59	60	60	40	32	45	46	45	54	44	40	31	38	36	43.4
Wheeling‖‖	Maximum	..	..	85	84	52	57	65	80	80	75	55	60	46	65	75	70	65	64	69	72	54	59	65	80	80	65	60	60	64	53	..	66.4
	Minimum	..	..	..	35	45	32	32	50	40	42	35	38	30	33	41	43	45	50	42	54	39	32	37	40	35	50	25	32	29	36	27	38.2
Southern Division																																	
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	33	43	40	49	44	35	28	33	39	42	35	33	34	36	44	51	59	59	56	56	57	28	39	47	50	50	40	33	31	28	34	41.5
Bluefield	Maximum	69	..	75	74	65	48	59	75	73	..	71	54	69	72	71	..	67	65	63	72	68	69	..	76	70	67	64	53	65		63	66.8
	Minimum	40	..	46	56	45	37	30	35	43	..	40	36	38	39	48	..	53	60	56	56	41	36	..	40	53	58	39	33	37	..	35	43.5
Charleston ‖‖	Maximum	74	79	86	84	66	54	62	72	75	79	66	63	73	72	77	65	73	74	72	77	62	64	78	80	80	82	62	53	75	58	76	71.4
	Minimum	45	47	51	52	54	45	32	33	43	48	45	42	43	44	44	48	59	60	63	62	44	40	41	50	52	53	47	38	36	37	35	46.2
Gary ‖‖	Maximum	76	76	82	79	57	49	50	..	79	73	48	59	73	77	73	65	76	68	70	75	60	72	79	77	76	78	60	56	68	60	66	68.6
	Minimum	40	41	45	45	47	43	32	33	..	39	45	37	35	36	41	45	58	61	61	55	47	35	33	50	47	47	45	32	30	31	35	42.5
Hinton ‖‖	Maximum	81	82	85	77	64	47	66	81	79	72	51	62	78	79	67	63	72	70	72	79	66	79	82	79	67	74	62	62	71	62	56	70.5
	Minimum	43	43	47	48	58	41	34	36	46	43	42	38	38	41	43	45	55	61	61	60	45	39	39	43	47	54	44	39	32	32	36	44.3
Huntington	Maximum	80	81	85	83	76	66	65	78	80	78	70	68	76	73	74	68	72	75	71	80	70	71	81	80	83	77	74	61	68	57	78	74.2
	Minimum	41	48	48	53	50	44	33	38	43	44	44	39	42	40	43	58	60	61	63	58	43	35	47	54	48	54	43	36	35	31	44	45.8
Lewisburg	Maximum	70	72	77	72	66	50	58	71	71	70	66	58	69	69	66	64	67	70	68	72	69	68	74	73	67	70	67	53	61	65	51	66.6
	Minimum	33	39	38	44	47	39	33	32	31	40	42	37	35	33	38	52	55	59	59	58	40	35	38	44	48	57	39	31	26	24	34	40.6
Marlinton	Maximum	66	68	70	62	64	46	58	68	68	64	56	50	64	66	64	56	64	68	66	68	60	64	68	68	56	64	52	46	62	54	45	61.2
	Minimum	30	36	38	46	46	38	30	28	32	34	38	34	32	32	36	44	52	52	56	54	38	28	32	34	48	50	38	34	22	26	38	37.9
Point Pleasant	Maximum	76	80	82	82	60	56	62	78	76	76	70	62	70	70	74	70	70	74	68	72	70	68	76	76	80	76	60	60	66	64	73	70.9
	Minimum	38	43	47	51	48	41	31	36	40	43	37	38	38	35	38	54	58	58	60	55	40	32	45	47	46	60	38	35	34	30	38	43.0
Rainelle	Maximum	61	73	76	70	64	48	58	75	72	69	60	54	68	51	63	..	65	64	62	71	59	68	71	73	63	68	55	52	64	60	51	63.6
	Minimum	31	35	36	37	45	35	28	29	32	35	37	32	30	32	37	..	52	58	56	57	38	30	33	40	45	37	37	34	23	29	30	37.0
Ravenswood	Maximum	77	79	83	82	79	57	62	76	76	75	73	60	70	68	73	72	68	75	69	77	75	66	76	77	80	75	58	57	65	63	73	71.5
	Minimum	39	45	49	59	47	44	32	37	42	43	41	41	39	32	39	59	59	60	63	57	42	33	45	48	47	58	42	36	39	30	40	44.7
Richwood	Maximum	70	70	79	71	70	62	71	73	70	72	68	62	70	72	72	66	71	69	65	68	70	71	78	75	68	71	73	60	66	64	62	69.3
	Minimum	33	39	40	48	42	39	40	32	34	38	37	36	37	38	34	41	57	57	48	57	38	39	39	38	52	59	40	32	31	29	34	40.6
Robertsburg‖‖	Maximum	81	85	78	70	67	68	56	66	82	77	60	58	65	60	63	66	78	64	68	80	50	58	60	65	70	85	75	50	76	68	79	68.6
	Minimum	37	44	45	48	50	42	31	36	41	41	39	37	38	34	38	47	57	59	56	43	38	33	40	41	44	53	38	32	32	26	38	41.2
Spencer ‖‖	Maximum	79	80	85	82	56	53	62	78	72	76	50	60	69	60	75	62	70	74	66	71	61	68	78	80	80	76	61	57	67	53	..	68.7
	Minimum	36	45	46	48	52	42	33	36	38	42	43	40	38	33	35	40	58	60	62	60	40	33	40	49	49	57	39	36	35	30	38	43.0
Sutton	Maximum	77	80	83	83	81	55	62	78	78	77	73	71	66	68	73	73	71	71	69	74	74	68	78	78	77	75	75	60	65	65	61	72.2
	Minimum	37	40	43	44	50	40	33	35	39	41	43	39	36	38	48	52	57	59	61	54	37	35	33	46	45	51	45	40	30	38	36	42.7
Union	Maximum	76	..	78	77	71	51	61	76	..	77	68	60	72	75	76	..	69	68	70	75	75	69	..	75	74	69	69	55	66	..	65	69.9
	Minimum	31	..	39	46	49	37	30	32	..	35	39	35	33	33	38	..	51	58	58	57	40	29	..	37	50	55	39	34	27	..	29	40.0
White Sulphur Spgs.	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Williamson‖‖	Maximum	76	76	80	78	54	54	61	73	73	74	51	61	73	73	74	62	77	66	69	76	61	67	77	76	79	78	60	56	70	57	72	68.8
	Minimum	43	45	47	48	51	44	36	38	41	47	47	36	38	43	45	46	57	57	62	61	42	41	42	47	50	52	46	34	34	33	36	44.8

‖‖ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.130	.151	.126	.155	.050	.119	.054	.079	.089	.077	.126	.065	.111	.066	.045	.046	.007	.029	.047	.020	.144	.089	.045	.057	.066	.111	.141	.078	.056	.174	.084	2.637
	Wind movement	16	42	40	22	46	44	63	42	9	9	77	78	88	58	14	8	33	64	32	12	80	56	29	24	14	42	103	121	47	124	55	1,492

For full description of station and equipment, see Climatological Data for June, 1923, page 21.

(WBO, Cleveland, 11-28-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

ROBERT P. POWELL, Meteorologist

Vol. XL Parkersburg, W. Va., November, 1932 No. 11

GENERAL SUMMARY

The past month was unusually cold, being the coldest November since 1926. The temperature for the month was characterized by a warm period that prevailed from the 4th to the 9th, and a cold period from the 16th to the 29th. A cold wave set in near the close of the month with temperature readings near or slightly above zero in the mountain districts. While the average monthly precipitation for the State was somewhat above the normal, the average amounts for the different sections varied considerably. The panhandle section received considerably more than the normal precipitation, while the southern section was slightly below the normal. Heavy to excessive rain fell over the eastern portions of the State on the 9th, with amounts exceeding 2.50 inches in 24 hours in sections of Berkeley and Jefferson counties. The average snowfall for the State was exceptionally light, being one of the lightest of November State record. Temperature readings of 70° or above were recorded generally throughout the State on the 7th and 8th, with a high reading of 85° at Robertsburg. The weather was generally favorable for outdoor work, and at the close of the month wheat was in good condition, and pastures and meadows were green in scattered localities.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 40.9°. The departure from the normal for 43 stations having ten or more years of record was —2.0°. Warm weather prevailed from the 4th to the 9th, 15th, and on the 30th, with the highest readings occurring generally on the 8th. Cold weather occurred from the 1st to the 3d, and from the 16th to the 29th, with the lowest temperature occurring generally on the 27th. The highest monthly mean temperature was 46.1° at Huntington, and the lowest was 34.4° at Marlinton. The highest temperature was 85° at Robertsburg on the 8th, and the lowest was zero at Bayard on the 27th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 3.34 inches. The departure from the normal for 65 stations having ten or more years of record was +0.18 inch. The precipitation was generally heavy over the northern mountain counties and eastern section, and light over the southern counties. Practically all the precipitation occurred on the 1st, 5-6th, 9-10th, 16th to the 20th, and on the 26th. Light snow or snow flurries occurred generally on the 11-12th, and on the 19th. The greatest monthly precipitation was 6 27 inches at Kearneysville, and the least was 0.89 inch at Dam No. 6. The greatest amount in any 24 consecutive hours was 3.14 inches at Harpers Ferry on the 9th. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 18th; Bens Run, 2d, 5th, and 6th; Buckhannon, 6th and 7th; Elkins, 3d, 5th, 6th, 8th, 18th, and 24th; Grafton, 8th and 18th; Hinton, 2d and 3d; Huntington, 3d, 18th, 25th, 29th, and 30th; Mannington, 6th, 10th, and 25th; New Cumberland, 8th and 16th; Pt. Pleasant, 2d, 3d, and 7th; Stony River Dam, 6th, 8th, 9th, and 17th; Terra Alta, 1st, 2d, 7th, 8th, 17th, and 19th; Wheeling, 28th; Williamson, 2d, 3d, 6th, 7th, and 8th.

Sleet: Richwood, 1st; Stony River Dam, 17th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio	30.21	84	59	66	158.7	53	5,660	7.9	25	n.	26
Columbus, Ohio	30.20	79	65	66	125.6	42	7,633	10.6	30	n.	26
Elkins	30.26	86	59	72	158.7	53	3,921	5.4	20	w.	11
Lexington, Ky	30.23	82	66	....	156.9	52	9,144	12.7	32	sw.	16
Parkersburg	30.24	80	61	64	118.8	39	4,345	6.0	19	sw.	11
Pittsburgh, Pa	30.22	75	59	63	143.9	40	6,924	9.6	27	n.	26
Wytheville, Va	30.22	79	58	69	158.0	52	4,794	6.7	22	w.	11

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	3.04	......	......	......	8	......	......	......
1892	41.7	81	3	3.10	......	......	......	......	......	......	......
1893	41.4	74	3	2.12	3.22	0.47	......	8	13	6	11
1894	39.8	82	5	2.11	3.47	0.25	......	8	12	6	12
1895	44.6	87	12	2.35	4.00	0.20	......	9	12	8	10
1896	48.1	80	10	3.50	5.07	1.56	......	8	10	8	12
1897	45.0	76	13	4.45	7.15	0.30	......	13	9	9	12
1898	41.4	75	− 3	2.84	4.74	1.00	......	10	9	11	10
1899	45.6	76	14	1.93	3.49	0.20	T.	8	11	9	10
1900	45.5	86	9	5.20	8.88	2.71	2.8	10	8	8	14
1901	38.0	79	7	2.51	5.35	1.23	4.3	7	8	6	16
1902	50.3	83	12	3.27	4.56	1.23	0.7	7	11	6	13
1903	38.0	80	− 4	2.46	4.98	0.67	4.6	9	11	8	11
1904	41.2	75	9	0.64	3.05	0.07	1.4	4	12	7	11
1905	41.8	74	10	2.44	5.67	0.67	T	9	13	7	10
1906	44.2	84	13	2.39	5.50	0.35	2.2	6	15	5	10
1907	41.8	74	13	3.40	7.05	1.41	1.0	9	10	8	12
1908	43.3	81	0	1.14	2.73	0.48	5.2	5	15	8	7
1909	49.1	84	12	1.34	3.85	0.23	0.2	7	14	7	9
1910	37.3	75	5	1.95	4.41	0.66	1.8	9	8	7	15
1911	40.5	83	7	2.74	5.54	1.27	2.0	8	10	7	13
1912	42.8	78	2	1.69	4.08	0.40	0.9	6	14	7	9
1913	44.5	82	− 1	4.49	7.50	0.61	13.4	10	12	5	13
1914	42.6	84	2	1.32	2.27	0.50	2.9	5	16	6	8
1915	45.2	85	11	3.06	5.99	1.15	1.1	9	13	8	9
1916	43.8	81	8	1.77	3.07	0.75	0.3	6	16	5	9
1917	39.6	78	0	0.89	3.65	0.05	1 5	10	16	4	10
1918	42.9	79	12	1.89	4.60	0.64	0.2	6	13	5	12
1919	44.4	80	10	4.51	7.53	0.85	0.3	10	12	6	12
1920	41.6	80	5	3.21	5.69	1.47	4.1	10	9	4	17
1921	46.1	85	11	5.99	8.81	2.52	0.8	13	7	6	17
1922	43.8	80	2	1.15	2.49	0.17	1.3	6	12	4	14
1923	42.3	73	10	3.49	5.35	1.70	0.7	11	13	3	14
1924	42.9	87	9	2.05	4.11	0.45	4.1	9	10	6	14
1925	40.6	78	6	3.66	6.62	0.65	0.9	9	11	5	14
1926	40.7	82	4	3.59	6.67	1.59	0.6	9	10	5	15
1927	48.1	82	7	4.35	7.61	0.91	1.6	12	7	7	16
1928	44.0	81	9	3.31	9.41	0.65	2.9	12	6	6	18
1929	42.9	83	− 9	4.52	8.10	1.74	3.6	13	7	5	18
1930	42.3	80	−14	1.42	4.45	0.46	4.8	9	11	6	13
1931	51.3	88	11	1.81	2.96	0.25	0.2	9	13	6	11
1932	40.9	85	0	3.34	6.27	0.89	0.2	8	13	5	12
1891-1932	43.2	88	−14	2.77	9.41	0.05	2.1	9	12	6	12

Climatological Data for November, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	36.8	−2.0	65	7	0	27	45	3.18	−0 13	1.03	0.5	10	15	2	13	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	40.4	−1.4	66	25	5	28†	40	2.60	+0.69	1.25	0	7	18	3	9	n.	Elmer Keister
Circleville	Pendleton	......	0	......	......	......	......	......	......	......	2.93	......	1.13	0.8	9	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	43	......	......	......	......	......	......	......	5.74	+3.49	3.14	0	10	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	2	41.8	......	64	5	12	29	36	6.27	......	1.75	0	9	13	9	8	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}40.4	−2.7	65^{a}	5	14	27	37^{a}	5.40	+3.13	2.95	0	9	25	2	3	w.	Dr. H. S. Gardner
Moorefield ^{b}	Hardy	900	36	42.2	−1.8	68	16	8	29	43	2.87	+1.24	1.38	T.	5	22	2	4	......	M. S. Henkel
Piedmont	Mineral	1,053	19	39.5	−2.4	62	25	10	27†	37	3.50	+1.43	1.19	0	9	13	9	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}39.8	−3.2	76^{a}	7	8	28	44^{a}	3.89	+2.03	1.52	0	9	15	5	10	......	George E. Bergdoll
Stony River Dam	Grant	3,300	12	......	......	......	......	......	......	......	3.31	+0.22	1.01	0	6	8	7	15	w.	A. C. Becker
Upper Tract^{f}	Pendleton	1,230	33	36.8	......	61	6	7	28	31	2.70	+1.20	1.60	0	3	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	15	^{b}40.8	......	73^{b}	16	8^{b}	28†	44^{d}	3.49	......	1.43	T.	12	6^{h}	8^{h}	8^{h}	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8	......	......	......	......	......	......	......	3.81	......	1.54	0.3	10	14	3	13	w.	L. Else Bond
Alma (near)	Tyler	800	5	......	......	......	......	......	......	......	3.25	......	1.12	0	10	16	2	12	......	D. N. Furbee
Alpena	Randolph	2,571	2	37.3	......	68	6	3	27†	43	2.28	......	0.89	1.0	9	16	4	10	w.	Christian Hertig
Benson	Harrison	1,080	8	39.8	......	75	8	9	29	43	3.73	......	1.14	T.	9	12	9	9	......	John A. Clark
Bens Run	Pleasants	652	30	43.3	−0.5	75	8	11	27	32	3.51	+0.61	1.10	0	8	16	2	12	......	J. D. Riggs
Brownsville	Lewis	1,032	9	42.2	......	75	7	11	28†	43	4.05	......	1.63	T.	11	13	9	8	......	George M. Meyers
Bruceton Mills	Preston	1,549	15	......	......	......	......	......	......	......	4.51	+1.33	1.33	T.	6	11	9	10	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	41.1	−0.8	71	8	12	27	38	4.31	+0.82	1.45	T.	6	16	5	9	......	H. A. Darnall
Cairo	Ritchie	680	31	43.0	−0.4	78	8†	9	28	45	4.91	+2.07	1.30	0	7	14	5	11	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	39.2	−3.1	72	7	11	29	42	3.70	+0.50	1.50	T.	7	12	9	9	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	9	......	......	......	......	......	......	......	4.19	......	1.81	T.	9	14	6	10	nw.	George W. Blair
Creston	Wirt	640	30	41.4	−2.6	78	8	9	28	41	3.16	+0.37	0.73	T.	10	13	3	14	......	P. M. Basnett
Dam 10 Mon. R	Marion	826	11	......	......	......	......	......	......	......	3.40	......	0.85	T.	9	......	......	......	......	Lockmaster
Dam 12 O. R	Ohio	660	16	......	......	......	......	......	......	......	3.66	+0.72	0.90	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	16	......	......	......	......	......	......	......	4.01	+1.20	0.93	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R	Monongalia	882	11	......	......	......	......	......	......	......	3.62	......	1.08	0	9	......	......	......	......	Lockmaster
Davis	Tucker	3,093	23	......	......	......	......	......	......	......	3.02	−0.30	0.65	2.0	12	......	......	......	......	Mrs. I. C. Beunett
Elizabeth(Dam 3 L. K)	Wirt	615	20	......	......	......	......	......	......	......	2.76	−0.11	0.97	0.5	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	31	39.4	−0.9	72	7	9	28	41	2.81	+0 03	1.05	0.7	10	11	4	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	26	^{a}41.2	−1.4	78^{a}	8	12	27	40^{a}	3.04	+0.16	1.05	T.	10	13	4	13	w.	J. C. Robinson
Glenville	Gilmer	738	38	43.4	−0.6	80	8	11	28	45	3.89	+0.68	1.19	0.2	10	15	4	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	41.4	−1.4	78	7	10	27	42	3.43	+0.44	1.07	T	6	15	0	15	......	W. E. Clayton
Horner	Lewis	1,044	9	......	......	......	......	......	......	......	4.27	......	1.58	......	8	......	......	......	......	Foster R. Hardman
Janelew (near)	Lewis	1,020	9	41.4	......	77	8	8	28	45	3.75	......	1.45	0.5	7	17	4	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	41.0	−1.4	79	9	7	29	50	4.08	+1.26	1.73	0.2	7	15	1	14	w.	Allen Smith
Mannington	Marion	985	29	39.9	−1.8	72	8	11	28	37	4.23	+1.29	1.55	0.7	10	12	6	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	41.5	−2.1	70	8	8	27	34	4.95	+2.04	0.82	T.	9	10	1	19	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}39.7	−1.7	72^{a}	7	10	27	36^{a}	3.92	+1.64	1.15	T.	11	8	7	15	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	43.3	−1.3	78	8	11	27	40	3.42	+0.54	1.12	0	6	14	2	14	s.	Wm. Aukrom
Parkersburg	Wood	638	45	41.9	−1.9	75	8	15	27	31	2.71	+0.14	1.09	T.	11	9	4	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32	......	......	......	......	9	28	......	1.82	−1.14	1.30	0	......	7	8	15	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	6	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Robert T. Deem
Philippi	Barbour	1,550	35	......	......	......	......	......	......	......	4.02	+0.97	1.43	T.	9	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	29	39.3	−0.9	75	8	4	27	38	4.11	−0.14	1.63	2.0	7	16	3	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9	......	......	......	......	......	......	......	3.61	......	1.60	0.1	9	16	3	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	45	......	......	......	......	......	......	......	3.32	+0.08	1.09	T.	9	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	23	......	......	......	......	......	......	......	3.66	+0.65	0.95	0	13	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	31	36.2	−4.4	66	5†	3	27	39	3.12	−0.11	0.77	0.2	9	7	8	15	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3	......	......	......	......	......	......	......	3.29	......	0.84	0	12	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	9	40.8	......	75	8	12	27	39	3.87	......	1.59	T	10	17	0	13	w.	J. C. Campbell
Vandalia	Lewis	1,120	9	......	......	......	......	......	......	......	3.84	......	1.56	0	6	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	25	39.8	−1.8	70	7	7	27	40	4.26	+1.74	1.25	T.	6	12	8	10	......	George P. Pfister
West Milford	Harrison	979	7	......	......	......	......	......	......	......	4.03	......	1.68	0	6	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	37	42.5	−1.3	74	8	12	27	40	3.78	+0.47	1.08	0	11	8	10	12	......	A. Henry
Wheeling	Ohio	645	45	39.8	−2.2	79	8	10	28	47	3.64	+1.05	1.16	T	9	7	9	14	sw.	Miss M B. Forsyth
Woodlands	Marshall	637	5	......	......	......	......	......	......	......	3.70	......	0.86	T.	12	8	6	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6	......	......	......	......	......	......	......	3.78	......	1.42	0.2	8	15	6	9	w.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}42.5	−2.0	72^{a}	7	11	29	34^{a}	1.97	−0.71	0.75	0	6	19^{a}	0^{a}	10^{a}	ne.	Charles N. Long
Beckley	Raleigh	2,440	29	......	......	......	......	9	27	......	2.39	0	0.87	0.1	8	15	5	10	......	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	37	43.6	−1.1	69	7†	13	28	38	2.67	+0.36	0.95	0	8	11	4	10	......	Norfolk & Western Ry.
Charleston	Kanawha	600	29	44.4	−3.3	78	8	16	28	39	2.46	−0.67	0.68	T.	8	7	2	21	......	D. J. M. Cook
Clay	Clay	706	16	......	......	......	......	......	......	......	2.76	−0.41	1.03	0.2	11	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	5	......	......	......	......	......	......	......	0.89	......	0.40	0	4	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	16	......	......	......	......	......	......	......	3.11	−0.33	0.92	0	11	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	16	......	......	......	......	......	......	......	3.33	+0.07	0.96	0	11	......	......	......	......	Lockmaster
Dam 26 O. R	Mason	564	16	......	......	......	......	......	......	......	2.53	−0.23	0.75	0	11	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	0	......	......	......	......	......	......	......	2.84	......	1.38	T.	5	......	......	......	......	Mrs. D. R. Gandinees
Gary	McDowell	1,426	16	42.2	−2.4	75	7	12	28†	46	1.71	−1.31	0.48	T.	8	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	43.3	−0.5	74	8	14	28	45	3.27	+0.93	0.99	T.	10	11	5	14	......	Mrs. M. L. McClung
Huntington	Cabell	538	35	46.1	......	78	8	15	28	40	2.27	−0.54	1.08	T.	8	12	6	12	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	13	......	......	......	......	......	......	......	2.56	−0.75	1.03	0	7	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	16	......	......	......	......	......	......	......	2.64	−0.95	1.27	T.	9	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	6	......	......	......	......	......	......	......	2.25	......	0.86	0	5	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	2	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	32	40.8	−0.9	68	7	9	28†	37	4.18	+1.72	1.54	T	5	17	5	8	......	Rose Argabrite
Logan	Logan	700	29	......	......	......	......	......	......	......	2.25	−0.85	0.69	0	7	......	......	......	......	J. R. Wampler
Madison	Boone	675	11	42.1	−1.7	76	7†	12	27	37	1.76	−1.06	0.55	T.	5	16	7	7	......	T. A. Stout
Marlinton	Pocahontas	2,131	33	34.4	−3.1	66	7	2	28	38	4.69	+1.64	1.55	T.	7	12	13	5	nw.	S. L. Brown
Point Pleasant	Mason	595	39	43.0	−2.3	75	8	11	28	40	2.82	−0.12	1.02	T	11	11	5	14	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	2	38.0	......	70	7	6	29	43	3.61	......	1.35	0.6	12	16	1	13	......	L. G. Swing
Ravenswood(Dam 22)	Jackson	584	9	42.3	−2.9	76	8	11	28	33	2.96	+0.02	0.90	T.	11	12	0	18	ne.	Lockmaster
Richwood	Nicholas	2,193	2	42.0	......	70	8	10	28	46	3.28	......	1.23	2.0	10	14	0	16	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	39.9	−3.5	85	8	10	28†	46	2.60	−0.01	0.87	0	8	16	0	14	......	M. Frazier
Ryan	Roane	700	29	39.8	−3.4	80	7†	8	28	47	2.73	−0.09	1.14	0	7	14	6	10	......	Wm E. Ryan
Sharples	Logan	889	12	......	......	......	......	......	......	......	1.44	−2.03	0.40	0	5	......	......	......	......	R. W. Howard
Spencer	Roane	789	28	^{a}42.3	−1.5	79^{a}	7†	12	28	40^{a}	3.00	+0.32	0.77	T.	9	8	12	10	......	A. M. McKown
Sutton	Braxton	850	26	41.4	−2.4	75	7†	9	28	41	3.13	−0.38	1.30	1.0	7	22	0	8	......	C. B. Eakle
Union	Monroe	2,250	28	^{d}40.5	−1.7	66^{d}	7†	8^{d}	28†	40^{d}	3.58	+1.22	1.12	0	7	12^{c}	6^{c}	9^{c}	......	W. M. H. Young
Wayne	Wayne	598	5	......	......	......	......	......	......	......	2.41	......	1.11	0	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	38.0	−4.0	65	14	4	27	48	3.20	+0.86	1.30	0	6	19	3	8	......	A. P. Spence
Williamson	Mingo	673	32	43.2	−2.3	76	8	17	28†	38	2.50	−0.43	0.92	T.	8	12	9	9	nw.	J. E. Dotson
State averages and	extremes	......	....	40.9	−2.0	85	8	0	27	50	3.34	+0.18	3.14	0.2	8	13	5	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard||||	Potomac	.43				.02				.74	.35	.07		.04	.01			.28		1.03						T.	.21						3.18
Brandywine	....do	.20					.05	.25		.65	.05	T.								1.25							.15						2.60
Circleville	....do	.26	T.				T.	.39		.10	1.13	T.	T.	.03	T.			.28		.47	.17						.10						2.93
Harpers Ferry ||||	....do	.10	.07					.67	.07	.22	3.14		T.					.14		.67	.44						.22						5.74
Kearneysville	....do	.65					.40	.44	T	1.75	1.25	.04						.10		1.47	T.						.17						6.27
Martinsburg ||||	....do	.50							.05	.10	2.95		.02					.10		1.00	.50						.18						5.40
Moorefield	....do	.15						.24		.70	.40	T.								1.38													2.87
Piedmont	....do	.47					T.	.03	.04	1.19	.29	.03					.21	.07	T.	1.17	T.												3.50
Romney||||	....do	.35						.18	.05	.05	1.52							.35		.82	.30						.27						3.89
Stony River Dam	....do	.58						.15		.41	1.01	.16						T.		1.00													3.31
Upper Tract	....do							.50		.60		T.								1.60							T.						2.70
Wardensville||||	....do	.14					.30	.07	.08	1.43	.05	.02		.02				.21	.70	.32					.15								3.49
Northern Division																																	
Aberdeen	Monongahela	.45				T.	.03			1.43	.11	.06	.05	T.			.28	.17		1.05	T.					T	.18						3.81
Alma (near)	Ohio	.60				.05	.02			.70	.08	.03					.61	.01		1.12						.03							3.25
Alpena	Monongahela	.23					T.	.03		.89	.06	.06	.08				.26	.02		.65													2.28
Benson	....do	.73				.04				1.14	.13	.02	T.	T.			.34	.10		1.03							.20						3.73
Bens Run	....do	.55				.03	.07			.94		.14					.60		T.	1.10						T.	.08						3.51
Brownsville	....do	.58				.08				1.63	.10	.07	.03			.30	.06			.94	.02					T.	.24						4.05
Bruceton Mills	....do	.57				.80	T.			1.10			T	T.			.50			1.33					T.	.21							4.51
Buckhannon	....do	.65				T.	T.			1.45		.30	T.	T.			.36	.45		1.10						T.							4.31
Cairo	Little Kanawha					.69				.93	.20	.05					.52			1.22							1.30						4.91
Cheat Bridge||||	Monongahela																																.....
Clarksburg||||	Little Kanawha	.56				.02					1.50		T.					.42		.62	.44						.14						3.70
Crawford||||	....do	.46				.05				1.81	.13	.06	T.				.44	.01		1.00							.23						4.19
Creston||||	Monongahela	.46				.08				.09	.70	.05	.07					.47		.73	.35						.16						3.16
Dam 10, Mon. R.||||	Ohio	.53				.12					.85	.03		T.				.62		.55	.52				.02		.16						3.40
Dam 12, O. R.||||	....do	.61				.07	.04				.90	T.	.02					.86		.86	.25				.05								3.66
Dam 13, O. R.||||	Monongahela	.70				.07	.06				.90		.06					.93		.90	.34				.05								4.01
Dam 15, Mon. R.||||	....do	.67				.04	.06				1.05	.04						.60		.58	.50				T.		.08						3.62
Davis ||||	....do	.53	.03			T.	.03			.05	.60	.10	.12	.20	.10				.40		.65						.21						3.02
Elizabeth(D'm 3 LK)	Little Kanawha					.06	.02			.35	.46	.03	.03					.45		.97	.27						.12						2.76
Elkins***	Monongahela	.24				T.	T.			1.05		.06	.04	T.			.34	.01	.05	.78						.14	.10						2.81
Fairmont||||	....do	.07				.06	.03				1.05	.02	T.	T.				.59		.67	.38				.08		.09						3.04
Glenville ||||	Little Kanawha	.78				.02				.03	1.16	T.	.07					.44	.05	.72	.04						.58						3.89
Grafton ||||	Monongahela	.52				.02				1.07		.27		T.			.50			1.05													3.43
Horner	....do	.50					.08			1.58	.13		.18				.50			1.00							.30						4.27
Horton	....do																																.....
Janelew (near)	....do	.55								1.45	.10	.15	.10				.35			1.05													3.75
Lost Creek	....do	.65				T.				1.73	T.	.03	.04				.43	T.		1.15					T.	T.	.05						4.08
Mannington	....do	.80				.07	T.			1.29	.26	.01	.01	T.			.63			1.01					.02		.13						4.23
Morgantown	....do	.60			.60		T.			.40	.50		.53	T.			.55			.82	.80				T.	T.	.15						4.95
New Cumberland||||	Ohio	.83		.02		.03	.02	.03			1.15	.04		.02				.72		.92	.14						T.						3.92
New Martinsville	....do	.66					.08			.62	.12						.82			1.12													3.42
Parkersburg***	....do	.34				.04	.02			.69		.02	T.				.42		.30	.79					.02	.06	.01						2.71
Parsons	Monongahela	*				T				*		.12					.40			1.30													1.82
Parsons No. 2	....do																																.....
Philippi	....do	.47				T.	.04			T.	1.43	.05	.02	T.	T.			.55		.71	.40						.35						4.02
Pickens	....do	.62				.07				1.63	T.	.17	.08				.60			.94						T.							4.11
Roanoke	....do	.57				.07				1.60	.08	.01	T				.35	.01		.91	.01												3.61
Rowlesburg||||	....do	.48									1.09	.02	.03	.02	T.			.59	.64	T.	.38						.07						3.32
Saint Marys||||	Ohio	.60				.04	.02	.05		.12	.90	.03	.01	T.				.54		.95	.31				.02		.07						3.66
Terra Alta	Monongahela	.58				T.	.04		T.	T.	.77	T.	.05	.02	T.			.35		.75	.32			T.	T.		.24						3.12
Thomas ||||	....do	.56	.01					.02		.01	.83	.01	.09	.02				.35		.80	.22						.37						3.29
Valley Chapel	....do	.63				.03				1.59	.10	.02	T.				.35	.05		.99						.02	.09						3.87
Vandalia	....do	.56				.06				1.56		.24					.44			.98													3.84
Wellsburg	Ohio	.68				.23	T.			.90	.32	T.					.88			1.25													4.26
West Milford	Monongahela	.60								1.68	.15						.40	.10		1.10													4.03
Weston	....do	.71					.08				1.08	.06	.07	.05				.39		.48	.62				.02		.22						3.78
Wheeling||||	Ohio	.62				.07	.04				.85	T.	.02	T.	T.			.83		.91	.25				.05								3.64
Woodlands||||	....do	.68				.12	.04				.66	.03	.02	.02				.84		.86	.32				.04		.07						3.70
Southern Division																																	
Arbovale	Great Kanawha	.37				T.	T.	.58		.77		.03	T.	.16			.25			1.42						T.	.20						3.78
Bancroft ||||	....do					.06				.38	.33	.08							.75		.37												1.97
Beckley	....do	.27				.04				.87	.06	T.	.02	T.		.27				.70							.16						2.39
Bluefield	....do	.53						.05		.95	.04	.04					.10			.84							.12						2.67
Charleston ||||	....do	.42								.42	.32		.03					.28		.68	.28						.03						2.46
Clay||||	....do	.50				.02	.01			.08	1.03	.03		.01				1.28		.34	.32						.14						2.76
Dam 6 G. K ||||	....do	.40								T.	.40		.04														.05						0.89
Dam 19 O. R. ||||	Ohio	.67				.05	.02	T.		.23	.45	.01	T.	T.			T	.47		.92	.22				.02		.05						3.11
Dam 20 O. R. ||||	....do	.68			.10	.05	.02			.28	.45	.04	T.				T.	.40		.96	.25						.10						3.33
Dam 25 O. R. ||||	....do	.66				.04				.24	.34	.01					.04	.38	.02	.75	.15				.02		.03						2.68
Dam 26 O. R. ||||	....do	.60				.05	.01	.01		.08	.31	T.	.02	T.				.33		.75	.36				.01								2.53
Durbin	Great Kanawha	.68	.60										.10	.08						1.38													2.84
Gary ||||	Big Sandy	.24								.20	.36			T.	.02			.21		.48	.12						.08						1.71
Hinton||||	....do	.61	T.					.03		.32	.89	.01	.08	T.				.23		.85	.14						.11						3.27
Huntington	Ohio	.31				.03	T.			.50		.03	T.	T.			.29		.03	1.05							.03						2.27
Kanawha Falls||||	Great Kanawha	.50								.34	1.03	.03						.30		.31	T.						.05						2.56
Kayford||||	....do	.36					.02			.07	1.27	.11	T				.23	T.	.23	.27						.08							2.64
Kermit||||	Big Sandy	.35								.56								.40		.86	.08												2.25
Kingston	Great Kanawha																																.....
Lewisburg	....do	1.54					.21			1.32			T.							.91							.20						4.18
Logan||||	Guyandotte	.48								.37	.32		T.					.25		.55	.18						.10						2.25
Madison	Great Kanawha					T.			.44	.28			T.				.29		.55	.20						T.							1.76
Marlinton	....do	.52				T.	T.	.38		1.48		.08	T.				.40			1.55							.28						4.69
Point Pleasant||||	Ohio	.70				.06	.04			.18	.34		.04	T			.06	.34		.84	.18				T.		.04						2.82
Rainelle	Meadow Creek	.78	.01	T.		T.		T.		1.35	.05	.01	.04	T.			.29	.01		.84	.01	T.					.21	.01					3.61
Ravenswood(Dam 22	Ohio||||	.61				.05	.02	.04		.20	.35	.03	T.	T.				.40		.90	.30				T.		.06						2.96
Richwood	Great Kanawha	.48					.02			1.23	.10	.08	.16				.28			.58	.06						.29						3.28
Robertsburg||||	....do	.47				.05	T			.25	.33	T.					T.	.28		.87	.23						.12						2.60
Ryan	....do					.06				1.14							.35	.01	.05	1.04	.08												2.73
Sharples||||	Coal River	.40								.22							.32			.85	.15												1.44
Spencer ||||	Great Kanawha	.47				T.	.07			.20	.53		T.	T.				.43		.77	.30				.05		.18						3.00
Sutton	Gauley	T.								1.30		.15	.08				.30	.10		.95							.25						3.13
Union	....do	.83						.56		1.12	.08		T.				T.	.06		.83							.10						3.58
Wayne||||	Big Sandy	.41				.03				.34	.21	.01					T.	.22		.96	.15						.08						2.41
White Sulpr. Spgs.||||	Great Kanawha						.55			1.30							.20		.80	.20						.15							3.20
Williamson||||	Big Saudy	.54					T.			.61	.31		.05	T.				.18		.61	.13						.07						2.50

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	52	50	49	63	53	55	65	58	58	51	55	37	26	55	60	64	45	48	48	39	45	35	56	42	56	50	30	36	45	48	....	49.1
	Minimum	36	31	29	21	31	45	42	48	40	30	25	23	20	15	21	25	28	24	29	24	28	25	11	25	21	20	0	2	2	18	.	24.6
Brandywine	Maximum	60	62	61	63	64	61	60	58	52	60	60	55	40	57	61	63	55	45	52	50	54	41	45	57	66	60	31	34	38	52	....	53.9
	Minimum	42	23	22	25	31	45	45	46	46	30	30	27	22	20	22	27	30	31	41	25	30	16	17	27	26	31	8	5	5	15	....	27.0
Kearneysville	Maximum	56	55	52	57	64	62	58	58	56	58	57	51	38	54	63	63	59	41	48	46	54	40	43	52	59	54	35	34	45	55	...	52.2
	Minimum	45	32	29	27	37	48	46	53	46	40	33	33	30	22	27	28	39	28	37	31	30	27	19	32	27	30	14	13	12	24	....	31.3
Martinsburg*	Maximum	55	55	55	58	65	57	61	61	51	56	53	40	40	53	60	61	43	43	50	47	56	39	43	50	55	45	32	45	45	..	....	50.8
	Minimum	35	32	30	27	37	40	48	48	46	40	33	33	30	23	23	28	28	30	33	31	30	28	20	20	28	30	14	16	15	27	..	30.1
Moorfield	Maximum	55	58	57	65	65	64	56	60	60	61	65	52	37	62	65	68	..	..	60	47	53	46	50	52	58	57	35	37	47	54	....	55.2
	Minimum	46	27	25	25	38	48	47	52	46	32	31	31	27	19	23	28	..	..	35	29	28	25	17	38	26	32	9	9	8	16	....	29.2
Piedmont	Maximum	53	50	51	56	58	56	57	53	54	55	50	32	31	55	60	59	47	40	47	41	47	38	48	54	62	59	30	34	45	52	....	49.1
	Minimum	43	28	29	28	35	46	46	49	44	37	31	29	27	20	25	32	32	30	37	31	30	28	21	28	25	30	10	10	11	26	....	29.9
Romney*	Maximum	52	57	56	46	50	50	76	62	49	59	57	40	35	63	67	67	40	41	45	50	54	40	48	53	60	43	32	40	50	..	....	51.1
	Minimum	34	29	25	26	43	43	47	47	47	34	30	31	29	19	23	28	32	31	32	30	39	27	17	30	24	26	9	8	9	9	....	28.6
Upper Tract	Maximum	52	..	51	55	60	61	58	56	55	56	..	..	36	59	58	..	..	45	42	47	48	48	49	..	34	33	30	29	28	30	....	46.7
	Minimum	26	..	24	25	38	39	44	48	44	31	..	..	25	34	33	..	..	30	36	28	17	18	18	.	28	28	8	7	8	9	....	26.9
Wardensville	Maximum	58	55	48	62	68	52	52	52	61	63	49	49	38	59	65	73	58	58	..	49	53	45	55	66	..	52	43	35	47	57	....	54.4
	Minimum	35	32	24	22	29	46	47	40	36	30	32	28	28	18	23	30	38	32	34	..	28	24	16	22	27	..	9	8	8	18	....	27.3
Northern Division																																	
Alpena	Maximum	53	47	49	62	54	68	64	58	53	51	52	36	39	54	61	60	43	52	46	40	44	36	59	44	56	51	28	38	43	48	....	49.6
	Minimum	34	25	19	28	37	39	44	44	39	29	27	19	20	13	25	31	28	26	28	23	27	18	16	30	36	20	3	3	4	14	...	25.0
Bens Run	Maximum	62	52	58	66	60	66	68	75	73	65	65	49	39	59	54	55	45	44	42	43	47	38	57	53	46	49	34	42	48	51	....	53.5
	Minimum	42	32	33	34	52	50	46	49	46	36	36	31	28	29	32	32	35	30	35	27	35	26	26	40	29	29	11	18	19	24	...	33.1
Buckhannon	Maximum	60	50	56	65	59	65	70	71	50	52	55	44	32	55	50	63	45	54	51	41	49	36	57	54	58	52	30	40	43	50	....	51.9
	Minimum	43	30	28	27	41	45	45	48	45	33	34	28	26	23	26	29	32	28	35	30	32	26	22	34	29	29	12	13	13	22	...	30.3
Cairo	Maximum	62	56	62	71	58	69	76	78	78	57	57	39	36	60	65	57	45	42	74	48	48	42	63	52	52	50	37	47	51	55	....	56.2
	Minimum	43	27	24	26	52	51	44	42	45	31	32	29	28	21	23	29	35	25	42	27	30	19	19	40	25	33	13	9	11	19	....	29.8
Clarksburg*	Maximum	47	52	53	68	55	70	72	71	57	43	47	36	34	59	63	48	38	52	47	49	48	38	60	50	49	40	32	42	49	53	....	50.7
	Minimum	43	27	25	26	30	47	47	43	48	32	31	29	27	19	22	27	33	25	26	29	30	20	18	25	26	28	12	12	11	13	....	27.7
Creston	Maximum	59	66	60	67	61	69	75	78	68	68	48	35	39	60	64	53	45	42	40	45	48	41	60	47	50	48	34	45	50	55	...	54.0
	Minimum	42	28	25	26	45	48	43	41	44	30	30	29	27	23	24	28	34	28	34	28	29	15	20	36	25	30	14	9	12	21	...	28.9
Elkins	Maximum	58	50	53	67	57	64	72	69	57	54	55	28	30	58	63	63	36	58	51	44	49	37	60	46	56	50	32	42	45	52	....	51.9
	Minimum	34	29	24	36	44	41	49	40	37	33	28	24	19	18	24	32	31	27	30	28	26	21	19	29	25	14	9	9	10	17	....	26.9
Fairmont*	Maximum	48	59	62	70	55	69	76	78	53	58	56	35	35	63	62	45	35	55	45	46	46	41	61	52	51	39	35	47	51	..	....	52.7
	Minimum	41	29	29	31	36	41	49	45	53	34	35	29	27	24	31	31	34	27	30	28	29	25	21	26	25	28	12	14	14	17	....	29.8
Glenville	Maximum	62	57	64	72	66	68	78	80	79	58	58	48	37	61	65	56	45	46	44	48	50	44	63	50	50	65	36	48	52	58	....	56.9
	Minimum	43	30	27	27	42	50	48	44	46	32	33	30	28	22	23	26	35	27	31	30	31	20	21	33	29	31	14	11	13	20	....	29.9
Grafton	Maximum	61	56	59	69	59	72	78	77	76	56	57	39	30	60	61	59	46	58	48	43	47	38	50	50	51	50	30	45	47	55	...	54.2
	Minimum	42	27	26	27	40	44	47	41	41	31	37	28	26	20	24	28	32	27	33	28	30	24	21	33	26	27	10	11	11	18	....	28.7
Lost Creek	Maximum	70	55	60	71	57	69	76	75	79	68	56	39	32	61	65	52	46	52	45	45	49	40	62	58	50	48	35	45	50	56	....	55.5
	Minimum	42	24	22	21	39	40	41	43	52	31	28	26	25	18	21	23	32	22	32	26	29	20	15	34	22	30	10	8	7	15	...	26.6
Mannington	Maximum	63	52	54	62	55	66	70	72	65	53	55	38	32	55	59	49	46	50	46	40	47	34	56	47	51	51	30	41	44	50	...	51.1
	Minimum	43	26	25	27	39	46	46	41	46	31	31	30	27	23	24	28	34	24	34	28	30	23	19	34	24	27	12	11	12	17	....	28.7
Morgantown	Maximum	58	49	54	54	54	66	66	70	67	54	58	58	38	57	60	61	46	51	53	53	46	34	56	55	52	51	29	40	46	50	....	52.9
	Minimum	36	29	33	39	38	39	40	49	41	33	38	36	25	23	42	40	30	27	28	26	26	24	23	33	26	23	8	12	13	23	....	30.1
New Cumberland*	Maximum	46	52	56	64	60	61	72	71	56	54	51	35	39	57	59	43	45	45	38	46	40	38	54	46	58	33	32	46	51	..	....	49.9
	Minimum	39	32	32	29	30	35	41	42	45	36	35	28	29	29	34	33	33	27	29	28	30	28	25	30	26	29	10	11	15	16	....	29.5
New Martinsville	Maximum	67	58	62	70	62	68	74	78	65	58	52	40	36	62	63	57	47	48	45	45	48	41	58	55	50	51	35	45	50	53	....	54.8
	Minimum	42	31	31	30	50	45	49	46	46	35	35	30	28	27	30	31	34	33	35	26	28	23	22	39	27	28	11	23	18	21	....	31.8
Parkersburg	Maximum	57	55	58	67	59	66	72	75	60	56	53	32	36	58	63	46	38	41	40	44	47	38	58	50	48	47	32	44	50	55	...	51.5
	Minimum	36	29	30	37	52	51	48	53	41	37	32	30	28	29	40	36	35	33	31	26	26	23	28	32	28	21	15	17	19	26	....	32.3
Parsons	Maximum	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	29	26	26	38	38	43	42	47	40	35	30	24	24	18	17	30	30	25	28	26	26	24	18	29	26	18	10	9	9	16	....	26.7
Pickens	Maximum	45	50	65	57	52	63	71	75	59	52	51	50	32	55	61	63	52	58	49	42	46	40	59	47	58	48	35	43	47	52	....	52.6
	Minimum	31	25	35	42	42	40	46	42	33	27	22	20	18	17	28	38	29	25	28	23	20	16	23	23	23	18	4	9	13	19	....	26.0
Terra Alta	Maximnm	58	40	47	47	66	51	53	65	55	43	49	53	25	32	53	56	66	32	46	46	43	47	33	55	43	59	32	30	37	46	....	46.9
	Minimum	35	30	21	28	30	44	42	43	41	30	26	21	21	18	28	30	27	26	35	22	21	27	19	23	22	30	3	7	6	9	...	25.5
Wellsburg	Maximum	65	52	55	64	58	63	70	69	60	53	52	35	33	57	61	55	43	45	42	41	47	36	55	53	60	52	30	35	48	53	...	51.4
	Minimum	41	27	26	27	45	37	47	41	46	32	32	28	29	22	27	28	33	23	34	29	31	24	20	30	20	24	7	10	10	17	....	28.2
Weston	Maximum	48	58	58	65	60	68	72	74	73	56	55	41	31	60	63	61	50	48	47	40	39	51	61	60	56	55	39	40	51	55	....	54.5
	Minimum	45	30	28	28	42	50	49	48	46	28	34	30	28	25	28	29	30	28	35	30	25	23	35	25	30	30	12	14	15	15	....	30.5
Wheeling*	Maximum	50	57	62	71	56	68	76	79	56	59	52	36	42	60	60	64	42	44	40	45	41	41	61	54	58	35	35	35	34	61	....	52.5
	Minimum	38	35	29	27	30	37	37	41	45	27	31	24	23	25	35	35	27	22	27	27	21	28	21	25	21	27	12	10	12	14	....	27.1
Southern Division																																	
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	37	23	24	34	44	46	50	50	39	28	34	22	20	19	25	39	28	28	29	27	36	16	27	31	35	24	9	12	11	21	....	28.9
Bluefield	Maximum	54	55	55	58	58	..	69	69	54	54	54	45	..	57	66	58	46	45	48	..	51	50	57	..	67	59	..	43	47	55	....	55.0
	Minimum	38	28	29	36	47	..	49	51	39	32	42	23	..	20	28	43	29	35	33	..	29	20	32	..	34	36	..	13	16	26	....	32.3
Charleston*	Maximum	51	58	61	71	62	72	73	78	65	62	59	35	39	63	67	50	44	45	46	54	55	43	62	54	63	42	34	47	48	57	....	55.3
	Minimum	43	34	34	34	44	42	49	49	47	35	35	32	30	27	28	31	36	37	39	35	35	26	27	30	36	40	19	16	17	20	....	33.6
Gary*	Maximum	48	56	62	66	62	70	75	72	50	58	54	31	41	61	68	62	40	54	49	50	53	49	64	63	67	47	39	40	50	58	...	55.3
	Minimum	37	40	27	28	34	43	46	48	49	31	31	29	26	21	22	24	31	28	28	34	29	21	22	24	31	35	16	12	12	18	....	29.2
Hinton*	Maximum	54	62	60	62	61	62	66	74	53	64	51	33	45	64	66	60	56	50	49	54	54	54	53	59	60	48	44	47	53	60	....	55.9
	Minimum	39	32	31	31	31	44	46	47	50	32	33	29	27	23	23	25	34	34	42	34	32	22	23	26	33	37	17	14	15	15	....	30.7
Huntington	Maximum	59	59	63	75	64	71	76	78	71	71	51	51	45	63	66	54	54	44	45	49	47	45	63	55	59	55	55	46	53	60	....	58.2
	Minimum	44	31	32	35	54	51	47	49	44	36	35	31	30	30	30	34	36	38	35	34	35	21	25	37	33	33	18	15	20	27	...	34.2
Lewisburg	Maximum	52	55	53	57	58	57	68	67	59	56	54	46	51	55	58	53	56	51	46	45	50	45	52	54	59	54	49	40	46	54	....	53.3
	Minimum	39	24	23	27	37	40	52	47	36	28	22	31	30	19	39	29	34	32	32	30	26	18	19	21	29	27	12	9	9	25	....	28.2
Marlinton	Maximum	48	50	48	50	52	54	66	60	52	50	46	32	32	40	52	54	52	46	44	40	44	42	46	52	52	44	30	40	42	48	....	46.9
	Minimum	30	20	18	18	30	36	38	48	38	26	24	22	20	12	14	18	24	34	30	24	22	12	12	20	22	22	6	2	4	12	....	21.9
Point Pleasant	Maximum	64	60	64	69	65	69	74	75	70	60	53	38	40	63	65	57	43	43	42	48	45	40	62	54	54	50	34	45	53	58	....	55.2
	Minimum	40	30	28	31	50	48	44	45	43	32	35	28	27	25	27	32	34	35	33	26	33	16	22	38	26	31	14	11	15	22	...	30.7
Rainelle	Maximum	50	54	50	53	54	55	70	62	53	53	51	38	36	54	60	53	45	44	43	45	53	45	48	54	58	54	34	43	45	53	....	50.3
	Minimum	37	22	20	29	36	40	51	52	39	27	27	23	20	14	17	27	29	34	29	27	25	17	20	23	26	25	8	8	6	17	..	25.8
Ravenswood	Maximum	55	55	60	66	65	69	73	76	74	58	53	37	38	50	62	60	60	42	40	44	43	35	54	53	51	52	34	41	51	54	....	53.5
	Minimum	40	28	28	33	51	48	44	46	41	36	36	21	28	28	29	31	31	27	34	28	34	18	24	37	28	26	16	11	28	24	....	31.1
Richwood	Maximum	54	52	54	56	59	65	67	70	59	58	53	42	46	54	62	58	45	53	49	43	46	42	58	66	62	52	52	53	58	62	.. .	55.0
	Minimum	32	28	25	34	38	41	48	49	40	31	32	22	30	20	24	38	32	32	31	28	30	22	21	21	42	28	11	10	12	18	...	29.0
Robertsburg*	Maximum	52	48	50	74	57	76	77	85	64	60	55	30	45	50	47	50	40	46	42	50	50	47	36	38	55	35	24	42	35	53	....	50.4
	Minimum	41	28	28	28	38	47	42	44	46	30	35	30	26	23	25	27	33	35	37	29	30	16	18	28	32	32	16	10	10	17	....	29.4
Spencer*	Maximum	51	57	62	71	59	73	79	79	52	58	55	32	39	60	66	50	40	43	43	49	49	41	63	50	49	41	32	41	52	..	....	53.0
	Minimum	43	28	27	29	45	49	45	46	45	34	35	30	28	25	26	40	34	34	35	30	34	18	26	37	29	31	15	12	14	25	....	31.6
Sutton	Maximum	46	54	60	66	66	67	75	75	67	52	52	40	37	57	65	65	47	44	44	46	46	39	45	49	60	60	36	44	50	50	....	53.5
	Minimum	42	29	27	26	39	46	46	45	44	31	32	29	26	20	24	27	35	29	36	36	30	25	22	20	27	32	13	9	11	18	....	29.2
Union	Maximum	56	52	54	56	59	..	66	66	57	54	55	49	..	54	59	60	55	48	46	..	49	50	50	54	60	60	..	38	45	51	....	54.0
	Minimum	41	22	24	29	40	..	41	45	41	28	29	23	..	16	19	30	31	30	34	..	25	16	20	22	29	34	..	8	8	17	....	27.0
White Sulphur Spgs.	Maximum	50	50	56	60	60	60	60	61	56	57	50	41	40	65	60	57	52	45	46	45	52	47	47	52	52	50	39	48	43	45	..	51.5
	Minimum	21	20	20	31	40	46	47	47	30	29	26	24	15	17	18	29	32	40	29	26	18	18	20	20	35	8	4	5	8	14	....	24.6
Williamson*	Maximum	52	55	63	65	61	68	71	76	48	58	55	34	36	59	63	51	41	45	43	49	53	45	60	57	66	44	43	43	48	54	....	53.5
	Minimum	42	34	34	35	39	49	48	49	47	32	33	33	30	25	25	28	35	36	37	35	33	25	25	27	36	43	20	17	17	21	....	33.0

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-28-32—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XL PARKERSBURG, W. VA., DECEMBER, 1932 NO. 12

GENERAL SUMMARY

December was warm and dry, with the snowfall somewhat above the average. The month was about equally divided into warm and cold periods. Unusually warm weather for the season prevailed on the 6th, 24th, 25th, and 30th, with maximum readings near or slightly above the December record. The maximum temperature on the 24th ranged from 67 degrees to 82 degrees. Temperatures were continuously low from the 7th to the 22d, with readings below zero on the mornings of the 16th, 18th, and 19th. A low reading of 12 degrees below zero was recorded at Lost Creek on the 16th, and at Ryan on the 18th. Although the month was warm, the average temperature was 6 degrees lower than for December, 1931. While the monthly precipitation was somewhat below the average, the amounts were well distributed over the State and throughout the month. The snowfall occurred mostly during the second decade. Dense fog prevailed throughout the State on the 29th, interrupting highway and river traffic. Navigaion was impeded or closed on all navigable streams of the State from the 16th to the 22d, on account of heavy floating ice. Wheat was well protected during the cold weather by snow cover, and at the close of the month was in excellent condition. Grass was green in scattered localities.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 36.0°. The departure from the normal for 46 stations having ten or more years of record was +1.9°. Warm weather prevailed from the 1st to the 7th, and from the 22d to the close of the month, with the highest temperature occurring on the 24th. Cold weather occurred from the 8th to the 21st, with the lowest readings on the 16th and 18th. The highest monthly mean temperature was 41 2° at Bluefield, and the lowest was 30.0° at Marlinton. The highest temperature was 82° at Glenville on the 24th. The greatest daily range was 59° at Wardensville.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 2.83 inches. The departure from the normal for 64 stations having ten or more years of record was —0.51 inch. The precipitation was somewhat heavy in scattered localities of the northern and southern sections, and light in the eastern section. Light to moderately heavy snow occurred generally on the 10th, 13th, 14th, and 18th. The greatest monthly precipitation was 4.30 inches at Gary, and the least was 1.09 inches at Wardensville. The greatest amount in any 24 consecutive hours was 1.51 inches at Gary on the 28th. The greatest monthly snowfall was 15.0 inches at Durbin. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

Fogs, dense: Aberdeen, 29th; Alpena, 28th; Arbovale, 11th; Bens Run, 19th, 27th, and 29th; Buckhannon, 28th; Creston, 11th, 12th, and 29th; Elkins, 20th and 29th; Fairmont, 28th and 29th; Glenville, 29th and 30th; Hinton, 20th and 22d; Huntington, 3d, 4th, 13th, 15th, 19th, 27th, and 28th; Kearneysville, 28th, 29th, and 30th; Lost Creek, 29th; Mannington, 21st and 29th; Marlinton, 29th and 30th; New Cumberland, 23d, 24th, 29th, and 30th; Parkersburg, 20th and 29th; Pickens, 11th and 28th; Terra Alta, 14th, 22d, 24th, 25th, 28th, and 29th; Wardensville, 29th; Wheeling, 1st, 2d, and 3d; Williamson, 10th and 22d.

Halo, lunar: Elkins, 3d.

Halos, solar: Elkins, 25th and 26th.

Sleet: Alpena, 10th; Bruceton Mills, 10th and 11th; Cairo, 11th; Fairmont, 11th; Gary, 17th; Huntington, 10th and 31st; Lewisburg, 10th; Marlinton, 10th and 13th; Morgantown, 9th; Ryan, 12th, 13th, and 22d.

Thunderstorm: Cairo, 7th.

PRESSURE, HUMIDITY, SUNSHINE, AND WIND DATA

Stations	Mean barometric pressure (sea level)	Mean relative humidity			Sunshine		Wind				
		8 a. m.	local noon	8 p. m.	Total hours	Percentage of possible	Total movement (miles)	Average hourly velocity	Maximum velocity	Direction	Date
Cincinnati, Ohio ..	30.19	88	74	76	126.2	43	6,481	8.7	32	sw.	4
Columbus, Ohio...	30.17	84	75	75	86.8	30	8,716	11.7	37	se.	24
Elkins	30.24	83	64	73	119.7	41	4,250	5.7	26	sw.	31
Lexington, Ky....	30.22	89	76	...	118.3	40	10,347	13.9	38	s.	30
Parkersburg	30.22	78	67	72	67.6	23	4,608	6.2	24	sw.	7
Pittsburgh, Pa	30.19	74	70	72	92.3	32	7,706	10.4	38	w.	4
Wytheville, Va....	30.21	84	67	74	115.0	39	4,822	6.5	23	nw.	31

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation				Number of days			
	Mean	Highest	Lowest	Average	Greatest	Least	Snowfall (in inches)	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	3.27	......	......	......	......	......	......	......
1892	34.1	72	−10	2.91	......	....	......	8	......	......	......
1893	37.1	76	7	2.05	3.73	0.56	......	9	10	8	13
1894	36.3	80	−29	4.04	6.56	1.71	......	9	11	7	13
1895	36.9	72	− 6	2.87	4.14	1.85	7.1	9	8	9	14
1896	35.3	67	2	1.68	2.88	0.57	......	6	12	9	10
1897	37.3	72	− 4	4.00	6.79	2.05	......	13	6	9	16
1898	33.4	69	−12	2.66	4.23	0.71	7.0	10	12	8	11
1899	33.3	77	−17	2.81	4.46	1.22	3.9	10	11	8	12
1900	34.6	66	3	2.26	3.45	1.32	1.0	7	11	7	13
1901	32.3	75	− 9	**5.84**	8.97	3.57	3.8	11	7	8	16
1902	33.9	70	− 2	5.33	9.95	2.01	9.4	14	5	7	19
1903	26.5	59	−11	2.00	4.43	**0.30**	7.8	8	12	8	11
1904	32.8	71	−20	3.12	5.91	1.63	9.8	10	8	7	16
1905	35.6	70	3	3.11	5.24	1.30	3.4	9	11	6	14
1906	35.9	70	− 1	4.73	**11.15**	1.83	6.2	14	5	6	20
1907	35.5	70	− 2	3.36	9.31	0.70	5.2	12	9	8	14
1908	36.4	73	5	3.03	7.36	1.06	6.0	10	9	8	14
1909	28.8	78	−10	2.55	6.00	1.16	10.9	10	9	8	14
1910	28.4	72	− 8	2.72	6.90	1.00	14.6	12	7	7	17
1911	39.3	74	4	3.27	5.58	1.25	1.6	12	9	5	17
1912	35.8	76	− 6	2.88	5.55	1.45	7.1	10	12	7	12
1913	36.4	68	3	2.82	3.81	1.10	2.9	8	9	8	14
1914	30.3	70	−20	5.46	8.04	2.58	12.5	16	7	4	20
1915	32.8	68	0	4.35	7.19	1.35	7.6	11	5	7	19
1916	32.8	77	−18	3.33	6.38	0.85	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.51	3.32	0.47	11.8	8	11	6	14
1918	41.0	74	0	4.41	8.14	2.70	3.2	12	8	6	17
1919	30.4	72	−15	4.07	7.35	1.17	7.8	9	10	6	15
1920	35.6	70	0	2.55	5.13	1.32	3.7	10	6	7	18
1921	37.0	79	0	4.25	7.51	1.11	7.5	11	7	7	17
1922	36.6	75	2	4.71	7.27	1.03	3.6	11	10	5	16
1923	**43.1**	78	0	5.82	10.96	1.00	2.4	14	11	5	15
1924	33.1	**83**	− 8	2.58	5.69	0.58	1.7	10	10	6	15
1925	32.5	75	− 8	**1.20**	3.42	0.38	2.7	7	10	6	15
1926	33.9	72	−14	5.10	10.57	1.65	2.5	15	6	4	21
1927	34.4	78	− 6	3.72	6.78	0.42	3.8	12	9	5	17
1928	35.4	70	1	2.08	5.50	0.50	0.9	7	13	5	13
1929	36.6	73	−13	2.51	5.59	0.59	12.2	12	9	5	17
1930	30.9	66	−14	2.81	6.59	0.76	8.6	12	7	5	19
1931	42.0	75	8	3.91	6.10	1.35	0.3	13	8	4	19
1932	36.0	82	−12	2.83	4.30	1.09	6.9	12	9	6	16
1891–1932	34.7	83	−37	3.35	11.15	0.30	6.0	10	9	7	15

Climatological Data for December, 1932

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Panhandle Division																				
Bayard	Grant	2,375	31	33.4	+3.7	65	30	− 1	16†	52	2.08	−2.28	0.32	13.3	13	7	6	18	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	16	37.3	+3.8	70	25	− 8	18	43	2.10	+0.33	0.80	12.0	4	15	4	12	s.	Elmer Keister
Circleville	Pendleton		0								1.42		0.64	3.4	8					Moses R. Bennett
Harpers Ferry	Jefferson	244	43								2.01	−0.50	0.90	10.0	7					J. C. Newcomer
Kearneysville	Jefferson	548	2	37.0		67	3	− 4	18	40	2.06		0.77	10.0	8	11	9	11	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	40	^{a}36.4	+4.8	68^{a}	3	4	19	49^{a}	2.08	−0.62	0.85	8.0	9	23	3	5	w.	Dr. H. S. Gardner
Moorefield ^{a}	Hardy	900	36	36.9	+2.7	72	6	− 8	18	54	1.71	−0.39	0.70	12.0	4	24	1	5		M. S. Henkel
Piedmont	Mineral	1,053	19	34.4	+1.9	68	25	5	16	35	1.52	−0.75	0.53		6	9	15	7	se.	C. A. Suter, Jr.
Romney	Hampshire	824	34	^{a}35.4	+2.4	69^{a}	3	0	19	47^{a}	1.31	−0.99	0.62		3	13	1	17		George E. Bergdoll
Stony River Dam	Grant	3,300	12								2.10	−1.24	0.66	9.5	8	6	5	20	w.	A. C. Becker
Upper Tract^{g}	Pendleton	1,230	33	33.5	−0.2	65	6	2	16	37	1.10	−0.70	0.70		2					J. M. Mallow
Wardensville^{b}	Hardy	1,200	15	35.6		72	26	− 7	18	59	1.09		0.37	9.0	7	13^{e}	3^{e}	10^{e}		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	8								3.30		0.65	8.5	17	8	8	15	w.	L. Else Bond
Alma (near)	Tyler	800	5								3.27		0.52	7.0	14	9	4	18		D. N. Furbee
Alpena	Randolph	2,571	2	35.1		62	25	− 6	16	43	2.87		0.67	9.0	13	6	13	12		Christian Hertig
Benson	Harrison	1,080	8	35.5		70	24	−10	16	47	3.25		0.60	7.8	17	7	12	12		John A. Clark
Bens Run^{b}	Pleasants	652	30	37.6	+3.2	69	26	− 2	16	36	2.00	−1.62	0.55		9	8	3	12		J. D. Riggs
Brownsville	Lewis	1,032	9	^{c}37.9		70^{c}	30	− 4	16	43^{c}	2.66		0.55	5.0	13	10	10	11		George M. Meyers
Bruceton Mills	Preston	1,549	15								3.80	+0.61	0.65	7.1	13	9	6	16	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	35	36.6	+2.8	68	24	− 3	16	40	3.75	+0.33	0.70	7.5	11	9	8	14		H. A. Darnall
Cairo	Ritchie	680	31	35.8	+1.4	71	24	− 9	16	50	3.60	−0.14	1.15	12.7	13	9	9	13		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	10	34.4	−0.2	72	24	− 6	16	47	2.61	−0.44	0.47	8.2	14	7	7	17	s.	Clarksburg Water Board
Crawford	Lewis	1,107	9								2.97		0.66	6.3	13	6	10	15	sw.	George W. Blair
Creston	Wirt	640	30	34.9	−0.2	70	24	− 7	18	41	3.43	0	0.68	8.0	16	9	4	18		P. M. Basnett
Dam 10 Mon. R.	Marion	826	11								3.42		0.71	6.0	14					Lockmaster
Dam 12 O. R.	Ohio	660	16								2.52	−0.42	0.90		12					Lockmaster
Dam 13 O. R.	Ohio	655	16								2.56	−0.29	0.85		15					Lockmaster
Dam 15 Mon. R.	Monongalia	882	11								2.88		0.61	11.0	14					Lockmaster
Davis	Tucker	3,093	23								2.36	−2.59	0.50	9.5	10					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K)	Wirt	615	20								3.42	+0.18	0.46	8.2	17					Lockmaster
Elkins	Randolph	1,947	31	36.4	+3.7	66	30	0	16	48	2.54	−0.92	0.74	6.9	15	4	9	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	26	36.2	+2.6	68	24†	− 2	16†	43	3.88	+0.50	0.65	10.0	16	8	6	17	s.	J. C. Robinson
Glenville	Gilmer	738	38	38.0	+2.4	82	24	− 5	18	46	3.85	+0.10	0.68	7.5	14	7	10	14	w.	Howard R. Brannon
Grafton	Taylor	1,000	39	37.0	+3.2	70	24	3	18†	43	3.71	+0.28	0.70	8.5	11	11	0	17		W. E. Clayton
Horner	Lewis	1,044	9								3.40		0.55		13					Foster R. Hardman
Janelew (near)	Lewis	1,020	9	37.1		68	24†	− 7	16	51	2.99		0.58	6.2	12	11	5	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	34	35.6	+1.4	72	24	−12	16	52	2.93	−0.59	0.75	7.5	14	9	4	18	w.	Allen Smith
Mannington	Marion	985	29	34.2	+0.9	67	24†	−11	16	42	3.54	+0.03	0.57	8.1	18	9	4	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	39	37.2	+3.1	66	25†	− 4	16	43	4.02	+0.98	0.55	5.2	15	8	3	20	sw.	Bruce Davis
New Cumberland	Hancock	671	34	^{a}33.3	+1.9	67^{a}	25	− 4	16	43^{a}	2.47	−0.28	0.64	5.6	14	3	8	20	s.	C. H. Hesse
New Martinsville	Wetzel	634	38	36.4	+1.3	71	25	− 6	16	40	3.75	+0.24	0.81	5.8	13	7	8	16	n.	Wm. Ankrom
Parkersburg	Wood	638	45	36.0	+0.8	69	24	− 3	16	36	2.51	−0.52	0.73	6.3	16	4	6	21	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	32					1	16		2.05	−1.98		1.0	7	7	11	13		J. W. Swisher
Parsons No. 2	Tucker	1,649	6																	Robert T. Deem
Philippi	Barbour	1,550	35																	H. F. Brittinham
Pickens ^{a}	Randolph	2,697	29	35.2	+3.3	65	25	−10	16	43	4.28	−1.20	0.97	6.0	12	11	6	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	9								2.68		0.67	4.7	16	8	4	19		Miss Mary A. Courad
Rowlesburg	Preston	1,375	45								2.91	−1.08	0.61	11.5	13					Walter H. Bolyard
Saint Marys	Pleasants	577	23								2.88	−0.64	0.53	8.1	18					Wm. Hughes
Terra Alta	Preston	2,559	31	32.0	+1.6	62	8†	− 4	16	40	2.42	−2.37	0.55	8.2	14	5	3	23	sw.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	3								2.52		0.56	7.6	13					H. L. Stiles
Valley Chapel	Lewis	1,011	9	37.4		70	24†	− 5	16	45	3.03		0.63	6.0	16	12	3	16	w.	J. C. Campbell
Vandalia	Lewis	1,120	9								3.13		0.71		9					James B. Kelley
Wellsburg	Brooke	668	25	33.0	+1.1	67	25	−11	16	42	2.60	−0.45	0.57	7.5	8	7	8	16		George P. Pfister
West Milford	Harrison	979	7								2.49		0.90		8					Miss Dicie E. Wagner
Weston	Lewis	1,026	37	37.6	+2.0	70	24	− 2	16	48	3.59	−0.14	0.64	9.5	17	2	15	14		A. Henry
Wheeling	Ohio	645	45	^{a}34.2	+1.9	72^{a}	25	0	16	45	2.31	−0.70	0.90	7.6	14	5	6	20	s.	Miss M. B. Forsyth
Woodlands	Marshall	637	5								2.68		0.75	8.0	13	7	5	19	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	6								2.81		0.90	11.0	11	10	8	13	w.	H. S. Sutton
Bancroft	Putnam	574	28	^{a}35.2	0	70^{a}	25	0	16	39	2.45	−1.08	0.67	3.5	8	8	2	19	ne.	Charles N. Long
Beckley	Raleigh	2,440	29	^{l}38.2	+4.5	68^{l}	30	0	16	37^{l}	3.62	+0.41	0.80	0.8	14	9	7	15		L. A. Mauck
Bluefield ^{e}	Mercer	2,558	37	41.2	+4.7	65	6	6	16	38	4.10	+1.14	1.20	5.5	12	8	5	13		Norfolk & Western Ry.
Charleston	Kanawha	600	29	^{c}39.8	+0.4	77^{c}	30	7^{b}	16†	41^{d}	2.99	−0.42	0.54	2.0	14	3	2	26		D. J. M. Cook
Clay	Clay	706	16								2.55	−1.27	0.59	6.9	16					Chilton Wilson
Dam 6 G. K.	Kanawha	598	5								2.37		0.55		9					Lockmaster
Dam 19 O. R.	Wood	600	16								2.23	−1.03	0.59	3.7	16					Lockmaster
Dam 20 O. R.	Wood	600	16								2.70	−0.61	0.52	11.0	13					Lockmaster
Dam 26 O. R.	Mason	564	16								2.27	−0.86	0.45	0.5	12					U. S. Engineers Office
Durbin	Pocahontas	2,724	0								2.10		0.61	15.0	9					Mrs. D. R. Gandiuees
Gary ^{b}	McDowell	1,426	16	39.8	+2.8	72	30	9	17	44	4.30	+0.90	1.51		14					U. S. Coal & Coke Co.
Hinton	Summers	1,431	35	36.8	+1.3	69	6	4	19	48	3.04	+0.11	0.99	8.0	15	9	6	16		Mrs. M. L. McClung
Huntington	Cabell	538	35	39.8	+4.7	70	30	4	16	40	2.77	−0.76	0.58	2.5	13	5	9	17	w.	H. N. Robinson
Kanawha Falls	Fayette	618	13								2.52	−0.90	0.65	2.0	9					J. O. Brown
Kayford	Kanawha	1,335	16								2.43	−1.55	0.70	3.0	14					Cabin Creek. Con Coal Co
Kermit	Mingo	579	6								3.13		0.98	3.0	13					E. B. Kirk
Kingston	Fayette	1,481	2								4.00									Claud J Wriston
Lewisburg	Greenbrier	2,250	32	34.4	+1.2	65	30	− 6	19	46	2.81	−0.19	0.94	11.0	4	10^{g}	8^{g}	6^{g}		Rose Argabrite
Logan	Logan	700	29								2.78	−1.39	0.78	2.5	11					J. R. Wampler
Madison	Boone	675	11	36.6	+1.8	72	24	− 1	17	36	2.86	−0.04	0.70	3.0	11	9	4	18		T. A. Stout
Marlinton	Pocahontas	2,131	33	30.0	+0.8	60	6	− 8	18†	44	3.19	−0.61	0.85	12.5	6	9	15	7	sw.	S. L. Brown
Point Pleasant	Mason	595	39	36.4	+0.9	68	6†	− 4	16	40	2.48	−0.88	0.50	4.6	16	8	7	16	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	2	35.0		65	6	− 1	19	45	2.68		0.61	1.0	13	13	2	16		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	9	35.6	−1.9	66	25	− 5	16	37	2.93	−0.35	0.62	4.8	13	14	0	17	se.	Lockmaster
Richwood	Nicholas	2,193	2	39.2		68	7	1	16	44	3.27		0.75	7.0	17	9	0	22	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	32	^{a}34.8	+0.4	70^{a}	24	− 4	18	49	2.13	−1.31	0.52	2.0	13	10	0	21		M. Frazier
Ryan	Roane	700	29	34.0	−0.2	70	6†	−12	18	46	3.35	−0.12	0.63	4.6	14	10	4	17		Wm E. Ryan
Sharples	Logan	889	12								2.57	−1.05	1.22		3					R. W. Howard
Spencer	Roane	789	28	37.0	+0.7	69	23†	− 4	18	44	3.75	+0.42	0.93	5.5	12	8	10	13		A. M. McKown
Sutton	Braxton	850	26	37.8	+3.1	70	30†	− 1	16	40	3.25	−0.78	0.65	9.0	13	18	0	13		C. B. Eakle
Union ^{d}	Monroe	2,250	28	35.6	+2.0	65	6†	− 6	19	42	3.78	+0.99	1.10	7.6	9	7	5	15		W. M. H. Young
Wayne	Wayne	598	5								2.44		0.67	1.2	11					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	22	31.1	+0.8	65	6	− 7	18	41	2.88	−0.20	1.10		9	17	3	11		A. P. Spence
Williamson	Mingo	673	32	38.6	+1.4	71	30	8	18	42	3.17	−0.64	0.85	2.5	16	3	15	13	ne.	J. E. Dotson
State averages and	extremes			36.0	+1.9	82	24	−12	16†	59	2.83	−0.51	1.51	6.9	12	9	6	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1932

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Panhandle Division																																	
Bayard‖‖	Potomac					T		.15			.08	.32	.16	.15	.12		.05	.26				.05	.06		T.			.30	.11			.27	2.08
Brandywine	...do							T.		.45								.80											.80			.05	2.10
Circleville	...do							T.	T.		.12	.18			T.	.02		.18	T.				.07			.04		T.	.64	T.	T.	.17	1.42
Harpers Ferry ‖‖	...do										.01	.29			T.			.03	.71				T.						.90	.06		.01	2.01
Kearneysville	...do										.21	.22	T.	.07			.45											.77	.23	.04	.07	T.	2.06
Martinsburg ‖‖	...do							T.	T.		T.	.32	.15					.38	.30				.02			.02		T.	.85	.02	T.	.02	2.08
Moorefield	...do				.06						.40							.70										.55					1.71
Piedmont	...do				T.		T.	T.	T.		.38	T.	.10	.12				.53	T			T.						.30	.09	T.	T.	T.	1.52
Romney‖‖	...do																	.62	.21										.48				1.31
Stony River Dam	...do										.20	.15	.66		.20	.10		.30											.30			.19	2.10
Upper Tract	...do												.40																.70	T.		T.	1.10
Wardensville‖‖	...do										.10	.13						.37	.20	.17								.11		T.	T.	.01	1.09
Northern Division																																	
Aberdeen	Monongahela				.04		.02	.09	.02		.26	.09	.34	.19	.28			.35	.02			T.	.18		T.	.03		.34	.18		.22	.65	3.30
Alma (near)	Ohio				.28		.30	.14			.34		.40	.20	.09			.12				.01			.16			.23	.12		.36	.52	3.27
Alpena	Monongahela							.28			.20	.16	.22	.11	.10			.50					.17			.06		.67	.11	.03		.26	2.87
Benson	...do				.10		.09	.05			.15	.32	.02	.31	.13	.20		.05		.26			.10			.10		.20	.12		.45	.60	3.25
Bens Run	...do				.04		.10	.08							.25			.25								.20			.13		.40	.55	2.00
Brownsville	...do					.03	T.	.06			.22	.06	.13	.20	.16			.25			T.			.17				.34	.19		.30	.55	2.66
Bruceton Mills	...do				.04		.24	.09			.01	.19			.35	.35					.65	.24			.24			.34			.56	.50	3.80
Buckhannon	...do				T.			T.			.55	.10	.25	T	.45			.50					.25		.10			.50	.15		.20	.70	3.75
Cairo	Little Kanawha				.07		.22	.17			.32	.08	.31	.12	.18			.45					.14					.26	.13			1.15	3.60
Cheat Bridge‖‖	Monongahela																																
Clarksburg‖‖	Little Kanawha					.04	T.	.11	.04		.09	.24	.26		.29			.15	.11				.09			.09		T.	.36	T.	.27	.47	2.61
Crawford‖‖	...do				.04			.03				.24	.42	.17	.16			.23					.15		.08			.49	.21		.09	.66	2.97
Creston‖‖	Monongahela					.10		.02	.10		.11	.39	.33		.27	.03		.10	.15				.13			.05		.03	.34		.60	.68	3.43
Dam 10, Mon. R.‖‖	Ohio					.06		.26	.12			.35	.45		.41			.02	.24				.16		.08	.10			.35		.11	.71	3.42
Dam 12, O. R.‖‖	...do							.27	.15		.02	.35	.12		.14				.04				.07		.14	.30			.02			.90	2.52
Dam 13, O. R.‖‖	Monongahela					.12	.03	.22	.15		.05	.25	.15		.20				.10				.10		.18	.03			.08		.05	.85	2.56
Dam 15, Mon. R.‖‖	...do					.06		.30	.06		.03	.32	.38		.29			.08	.14				.08		.04			T.	.41		.08	.61	2.88
Davis ‖‖	...do						T.	T.	T		.10	.29		T.	.50	.10	T.	.40	.08			.10			T.	T.		T.	.50	.05	T.	.24	2.36
Elizabeth (D'm 3 LK)	Little Kanawha					.07		.25	.09		.25	.39	.32	.28				.15	.11	.16			.13			.04		.07	.28	.02	.35	.46	3.42
Elkins***	Monongahela						.02	.07			.31	.29	.04	.16	.02	T.	T.	.32				.13	.01		.03			.66	.10		.04	.34	2.54
Fairmont‖‖	...do					.06		.30	.12		.18	.17	.54			.30		.12	.16				.65		.04	.07		.05	.40	T.	.20	.52	3.88
Glenville ‖‖	Little Kanawha					.04		T.	.08		.12	.56	.47		.34			.36	.32				.12			.14		.05	.48		.30	.47	3.85
Grafton ‖‖	Monongahela				.18		.15	.05			.30			.70	.10			.33				T.			.23			.51			.53	.63	3.71
Horner	...do										.25	.20	.05	.10	.15	.20	.22	.13										.50	.27	.55	.25	.53	3.40
Horton	...do																																
Janelew (near)	...do				.18			.10			.30		.30	.28	.20			.30								.10		.15	.15		.35	.58	2.99
Lost Creek	...do				.03		.04	.06			.27	T.	.22	.25	.11	T.		.23	T.			T.	.06		.10			.27	.06		.48	.75	2.93
Mannington	...do				.06		.33	.14			.35	.06	.38	.19	.12			.21	.01			.04	.16		.08	.02		.22	.10		.50	.57	3.54
Morgantown	...do				.40		.20	.11		T.	.12	T.	.47	.20	.12	T.		.20	T.			.30	.45		.10	.07		.28			.45	.55	4.02
New Cumberland‖‖	Ohio					.06	.05	.27	.27		.04	.18	.11		.22				.01				.06		.34	.06					.16	.64	2.47
New Martinsville	...do				.05		.25	.18			.28		.22	.50	.81			.10					.15		.18			.08			.45	.50	3.75
Parkersburg* **	...do				.05		.21	.17			.31	.17	.07	.22	.02			.07				.10		.01	.08			.11	.03		.41	.48	2.51
Parsons	Monongahela				T.			T.						T.	.10							*	*	.70	T.			.45	.50			.30	2.05
Parsons No. 2	...do																																
Philippi	...do																																
Pickens	...do						.18				.41	.14	.35	.15	.18	T.		.09					.97		.13			.68	.24			.76	4.28
Roanoke	...do				.03		T.	.01			.21	.08	.21	.02	.25			.25	.01				.12		T.	.02	.40	.11	.09		.20	.67	2.68
Rowlesburg‖‖	...do							.09	.08		.04	.09	.44		.34			.09	.17				.36					T.	.55	.03	.02	.61	2.91
Saint Marys‖‖	Ohio					.06	.14	.21	.07		.10	.33	.32		.32	03		.02	.10				.14		.05	.03		.03	.15		.25	.53	2.88
Terra Alta	Monongahela					T.		.04	.02		.02	.12	.35	T.	.37	.02	T	.06	.09				.22		.04	T.		T.	.51		.01	.55	2.42
Thomas ‖‖	...do								.05		.13	.30	.25	.01	.27	.01		.30					.34		.01				.56	.01		.28	2.52
Valley Chapel	...do				.03		.04	.05			.06	.23	.25		.37			.15	.07			.05	.16			.14		.30	.16		.34	.63	3.03
Vandalia	...do						.30					.36	26	.09								.37						.51	.32	.21	.71		3.13
Wellsburg	Ohio				T.		.40	.27			.27		.14	.21				T.							.30						.44	.57	2.60
West Milford	Monongahela						.15					.20							.90				.10	.10				.30	.10			.64	2.49
Weston	...do					.11		.06	.15		.10	.28	.36		.38			.15	.21				.22		.02	.12		.06	.51	.06	.16	.64	3.59
Wheeling‖‖	Ohio				T.	T.	.02	.27	.15	T.	.02	.33	.13		.14				.03				.08		.15	.03			.03		.03	.90	2.31
Woodlands‖‖	...do					.10	T.	.08	.35		T.	.14	.28		.22			T.	.05				.12		.20	.04			.05		.30	.75	2.68
Southern Division																																	
Arbovale	Great Kanawha							.01			.25		.50	.03	T.	T.		.70					.15		.10			.90		.01	.01	.15	2.81
Bancroft ‖‖	...do				T.						.27	.24	.50			T.	.20	.05	.05										.67			.47	2.45
Beckley	...do				T.			.09			.42	.09	.24	.18	.03	T.		.12					.38		.13	.03		.57	.80		.05	.49	3.62
Bluefield	...do					.02			.02		.42		.36	.13	.28			.45		1.20			.05					.70		.02		.45	4.10
Charleston ‖‖	...do					T.			.03		.05	.54	.30		.03			.20					.31			.20	.22	.05	.45	.01	.20	.40	2.99
Clay‖‖	...do								.05		.12	.40	.18	.02	.05	.01		.22	.26				.12			.10		.10	.59	.03	.04	.26	2.55
Dam 6 G. K ‖‖	...do					.05					T.	.55	.45										.23					.11	.25	.03	.28	.42	2.37
Dam 19 O. R. ‖‖	Ohio					.06	.02	.15	.14		.11	.04	.36		.16	T.		.01	.01				.10		.02	.04		T.	.14		.28	.59	2.23
Dam 20 O. R. ‖‖	...do					T.	.20	.23	.14		16	.30	.24		.25								.16			.08		.02	.15		.25	.52	2.70
Dam 25 O. R. ‖‖	...do						.08	.10	.20						.16	.01		.03					.11			.02		.03	.18		.28	.57	1.77
Dam 26 O. R. ‖‖	...do					.07		.03			.08	.35	.20		.10			.10	T.							.06		.05	.33		.45	.45	2.27
Durbin	Great Kanawha			.20							.21	.10			.30			.61											.10	.18	.08	.32	2.10
Gary ‖‖	Big Sandy										.30	.25	.27	.11	.19	.08		.54					.05		.02	.01		.27	1.51	.26		.44	4.30
Hinton‖‖	...do								T.		.22	.28	.15	.06	.05	.06		.57	.04				.01	.02	T.	.09	T.	.19	.99	.19	T	.12	3.04
Huntington	Ohio				.04		T.	.06			.37		.24	.03	.09			.10				T.	.04		.04			.44	.24		.50	.58	2.77
Kanawha Falls‖‖	Great Kanawha											.64	.20					.20								.20	.18	.09	.65	.04		.32	2.52
Kayford‖‖	...do								.04		.14	.30	.35		.05	.07		.20	.04				.09			.01		.02	.70	.02		.40	2.43
Kermit‖‖	Big Sandy					.01			.18		.02	.65			.05	.01		.25	.05				.12			.06			.98		.20	.55	3.13
Kingston	Great Kanawha																																
Lewisburg	...do											.28			T.			.70	T.									.89	.94			T.	2.81
Logan‖‖	Guyandotte								.18		.20	.30	.33	T.	.05			.20					.05					.13	.78	T.	.08	.48	2.78
Madison	Great Kanawha							.13		.10	.56	.27		.11			.22	.08							T.		.08	.70	T.	T.	.41	.20	2.86
Marlinton	...do							.24			.72			.40	T.			.85							T			.74	.24				3.19
Point Pleasant‖‖	Ohio					.06	.10	.08			.14	.28	.16	.02	.22			.06	.02				.08			.06		.06	.26		.38	.50	2.48
Rainelle	Meadow Creek							.08	.01		.38	.05	.20	.13	.09								.07		.08	.01		.61	.56			.41	2.68
Ravenswood (Dam 22	Ohio‖‖							.34	.14		.10	T.	.62	T.	.27	.18		.06	T.				.14			.05		.05	.30		.18	.50	2.93
Richwood	Great Kanawha							.18	.03		.21	.06	.30	.08	.06	.04		.30	.06				.17	.02	.10			.75	.42	.02		.47	3 27
Robertsburg‖‖	...do										.03	.37	.11		.13	.02		.07					.03		.02	.02		.03	.52		.43	.35	2.13
Ryan	...do				.02		.01	.03			.55		.25	.25	.10			.19					.06		.07			.38	.26		.63	.55	3.35
Sharples‖‖	Coal River												1.22		T.														.83			.52	2.57
Spencer ‖‖	Great Kanawha					.04					.10		.93		.15	.10	.10		.10				.55			.05		T.	.50		.63	.50	3.75
Sutton	Gauley							.10			.15	.30		.35	.10			.40	.10				.15			.10		.40	.30		.15	.65	3.25
Union	...do							T.			.32		.28	.11	.12			.65			.01							1.10	.86			.33	3.78
Wayne‖‖	Big Sandy					.10		T.	.05		.11	.25	.20		.08			.15										.10	.67		.21	.52	2.44
White Sulpr. Spgs.‖‖	Great Kanawha							.08			.15	.50	.10	.10														1.10	.35		.35	.15	2.88
Williamson‖‖	Big Sandy					.02			.17		.24	.47	.19	.01	.04	.08		.22	.03				.02			.01		.09	.85		.06	.67	3.17

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1932

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Panhandle Division																																	
Bayard	Maximum	60	58	58	58	53	61	64	43	39	31	30	40	39	34	22	10	19	28	30	43	51	48	59	58	63	58	35	45	59	65	60	45.8
	Minimum	15	20	43	27	30	23	36	21	10	17	20	24	24	22	10	-1	8	11	2	3	-1	32	16	41	47	29	23	34	20	25	22	21.1
Brandywine	Maximum	50	55	63	60	60	66	65	55	52	45	40	48	46	45	35	24	18	30	35	45	42	52	54	60	70	67	57	62	57	63	57	50.9
	Minimum	22	21	31	30	34	25	35	27	14	23	24	32	26	35	24	3	11	-8	3	2	10	11	19	25	49	35	31	37	36	32	35	23.7
Kearneysville	Maximum	61	59	67	65	62	64	62	57	43	37	42	60	39	36	25	19	35	30	40	41	50	46	48	50	62	50	40	41	41	41	60	47.5
	Minimum	29	25	41	40	35	38	42	31	20	22	21	29	30	24	8	14	4	-4	7	1	33	19	36	35	44	40	30	33	30	29	39	26.6
Martinsburg*	Maximum	58	58	68	63	61	62	62	50	41	31	31	42	39	41	41	28	20	33	31	56	51	53	50	50	60	48	45	42	40	60	..	47.2
	Minimum	28	29	32	35	36	31	42	32	24	24	21	24	30	30	28	10	10	9	4	7	5	10	23	25	38	40	32	32	30	28	40	25.5
Moorfield	Maximum	60	55	70	65	62	72	70	61	45	45	36	45	42	43	39	28	24	27	30	37	48	59	56	60	65	66	48	44	47	..	66	50.5
	Minimum	20	21	33	31	35	36	38	30	16	25	22	25	25	31	25	5	13	-8	5	4	-3	5	19	39	35	40	32	33	32	..	38	23.3
Piedmont	Maximum	57	60	62	60	56	60	62	55	40	35	24	37	34	35	29	14	17	28	35	43	39	45	42	56	68	58	35	42	40	44	55	44.1
	Minimum	25	25	38	34	35	29	34	29	20	21	22	23	27	29	11	5	13	14	8	14	9	25	24	37	37	35	30	35	26	28	26	24.8
Romney*	Maximum	66	66	69	62	62	63	68	44	44	27	34	48	36	40	35	29	24	37	39	43	47	50	60	59	61	45	43	42	45	64	..	48.4
	Minimum	19	22	26	32	34	27	32	31	19	21	21	22	27	28	26	6	6	7	0	3	4	5	21	25	36	37	29	34	29	29	32	22.3
Upper Tract	Maximum	..	62	57	..	56	65	63	54	45	45	43	41	49	..	25	23	19	32	38	36	47	..	42	61	42	..	43	44	..	..	..	45.4
	Minimum	..	25	38	..	34	31	45	27	14	15	19	20	27	..	23	2	10	5	8	8	12	..	22	23	24	..	29	29	..	..	29	21.6
Wardensville	Maximum	31	63	68	..	69	61	71	66	39	49	34	33	48	45	39	33	27	22	34	59	48	54	55	64	..	72	70	59	56	50	64	51.1
	Minimum	21	23	28	..	29	25	33	31	12	21	21	23	22	29	20	6	9	-7	-3	0	1	5	19	26	..	34	29	33	29	28	39	20.2
Northern Division																																	
Alpena	Maximum	58	58	57	56	51	60	57	44	39	38	41	41	44	34	23	14	28	29	29	38	49	48	59	60	62	58	40	44	56	61	58	46.3
	Minimum	15	22	41	30	30	29	42	21	12	21	30	28	23	22	13	-6	10	2	4	0	16	33	23	45	51	30	25	38	30	34	26	23.9
Bens Run	Maximum	55	60	61	60	57	55	62	..	..	..	..	..	..	..		31	15	26	30	33	37	43	45	63	65	69	67	48	53	54	49	49.5
	Minimum	24	27	37	36	33	35	44	..	..	..	..	..	..	..	..	-2	5	5	6	8	7	14	34	27	47	48	36	31	20	37	29	25.6
Buckhannon	Maximum	45	58	61	60	55	64	63	45	38	35	42	50	35	35	28	22	27	22	31	35	49	49	67	68	65	55	48	47	47	67	65	47.7
	Minimum	20	20	34	34	29	33	45	28	19	19	32	33	28	27	22	-3	4	4	4	4	10	32	27	43	32	37	31	43	31	35	32	25.5
Cairo	Maximum	62	62	65	65	65	53	63	62	58	40	34	36	33	30	28	23	26	31	35	41	45	51	67	71	70	68	49	51	52	63	66	50.5
	Minimum	16	20	28	28	22	26	35	22	17	22	26	32	22	22	8	-9	11	-8	-2	-2	5	33	24	43	38	18	28	40	24	35	33	21.2
Clarksburg*	Maximum	62	62	62	61	57	63	64	36	39	33	42	39	32	27	24	19	27	30	34	39	48	51	65	72	65	62	47	48	57	67	42	47.6
	Minimum	16	18	22	29	28	27	35	27	16	19	23	29	24	23	16	-6	-3	1	0	0	1	12	23	26	46	36	28	34	30	32	41	21.1
Creston	Maximum	57	61	62	58	59	63	60	43	42	32	33	37	37	31	30	19	25	30	35	40	44	50	65	70	65	52	46	48	51	55	53	46.9
	Minimum	19	22	29	28	23	29	40	28	17	23	27	31	22	23	12	0	11	-7	-1	-1	6	32	24	41	36	35	28	36	28	38	30	22.9
Elkins	Maximum	60	62	59	60	55	64	65	34	42	36	42	45	38	31	24	19	29	32	33	38	53	51	64	64	65	56	45	45	60	66	63	48.4
	Minimum	18	21	34	31	32	32	34	20	16	24	34	27	27	23	6	0	16	7	3	6	8	27	25	50	56	28	28	38	35	35	15	24.4
Fairmont*	Maximum	64	63	67	61	61	61	62	52	42	33	38	38	29	29	27	22	28	33	36	43	45	52	63	68	68	38	47	48	59	65	42	47.9
	Minimum	21	23	30	36	31	37	45	29	20	21	23	29	25	23	19	-2	-2	9	6	6	7	20	24	28	49	37	31	34	28	28	41	24.4
Glenville	Maximum	63	63	60	62	60	67	65	47	42	35	36	41	35	32	49	19	26	34	36	42	45	54	70	82	70	66	48	48	56	68	67	51.2
	Minimum	17	21	29	31	24	28	46	29	18	24	30	34	25	25	19	-3	13	-5	0	0	7	33	26	42	42	35	30	41	33	37	34	24.7
Grafton	Maximum	63	61	62	61	58	53	57	45	39	37	41	42	37	30	26	18	25	25	33	39	50	49	65	70	63	62	45	46	65	65	64	48.3
	Minimum	20	23	26	33	29	29	43	28	18	23	30	32	26	24	18	5	11	3	3	4	12	37	26	45	59	34	27	41	27	33	27	25.7
Lost Creek	Maximum	65	62	64	60	59	64	63	45	40	35	35	44	32	29	25	14	26	29	34	42	53	52	66	72	69	60	46	48	57	59	67	48.9
	Minimum	13	18	32	27	29	26	44	25	13	20	28	31	26	20	14	-12	9	-2	-5	-5	1	35	20	44	52	32	25	41	31	30	29	22.3
Mannington	Maximum	54	59	61	58	55	51	62	46	38	32	34	38	31	27	26	15	26	26	32	35	45	43	62	67	67	63	46	48	52	52	65	45.7
	Minimum	17	20	31	29	26	27	37	27	18	22	27	31	24	22	14	-11	11	-4	-3	-4	3	33	22	41	54	35	28	42	25	30	27	22.7
Morgantown	Maximum	57	60	58	60	55	55	64	45	34	33	38	42	32	27	25	11	25	25	30	39	48	43	64	61	66	61	58	46	59	60	66	46.7
	Minimum	24	36	50	38	37	43	43	25	18	20	25	30	22	21	9	-4	6	10	11	12	22	35	30	51	58	35	30	41	23	36	23	27.7
New Cumberland*	Maximum	54	58	56	58	57	61	56	55	32	25	37	35	27	26	17	17	25	27	32	36	42	44	58	66	67	58	40	48	42	62	..	43.9
	Minimum	19	20	35	40	31	30	43	27	23	20	22	23	18	11	13	-4	-3	9	11	10	10	35	24	31	40	36	26	29	20	19	36	22.7
New Martinsville	Maximum	60	62	62	61	60	54	61	50	40	33	35	38	32	30	25	21	28	30	35	41	43	45	61	66	71	61	45	51	48	50	65	47.3
	Minimum	20	25	39	34	30	34	43	28	20	22	25	30	22	19	15	-6	11	4	5	5	13	35	25	47	57	35	30	37	25	35	27	25.5
Parkersburg	Maximum	60	61	62	58	59	62	63	36	39	29	37	36	27	27	24	12	22	28	33	31	43	49	65	69	66	52	42	49	42	66	53	45.2
	Minimum	24	30	45	41	37	45	34	28	23	23	25	24	23	20	7	-3	12	8	8	9	12	32	31	51	52	32	32	32	27	40	23	26.9
Parsons	Maximum	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	....
	Minimum	16	20	34	36	30	28	38	20	13	15	14	20	25	24	10	1	12	9	2	4	3	4	16	45	44	30	32	40	30	15	15	20.8
Pickens	Maximum	60	59	59	54	60	61	43	..	43	41	51	51	41	33	23	13	31	30	33	41	53	51	61	64	65	53	48	48	56	64	60	48.3
	Minimum	23	21	38	38	23	33	25		15	23	23	21	21	18	7	-10	9	1	10	7	22	20	20	47	49	28	18	40	19	36	17	22.1
Terra Alta	Maximum	48	59	56	57	55	51	57	62	32	35	25	39	42	34	24	17	10	20	25	29	42	46	44	58	60	61	35	42	43	54	62	42.7
	Minimum	17	19	41	30	29	30	43	22	14	15	17	20	22	21	15	-4	-3	8	7	5	4	32	23	20	43	33	25	31	20	25	35	21 3
Wellsburg	Maximum	57	60	58	58	57	54	60	45	33	29	32	36	28	26	25	16	25	27	32	37	42	42	59	62	67	59	40	45	52	47	64	44.4
	Minimum	15	20	37	30	29	27	45	27	19	19	20	26	17	11	14	-11	6	2	1	0	8	30	22	45	50	36	24	32	16	29	25	21.6
Weston	Maximum	60	59	62	60	58	61	60	54	40	38	33	35	34	33	29	24	30	29	32	51	50	48	65	70	69	64	45	48	54	55	54	48.6
	Minimum	19	29	32	32	29	30	50	30	20	24	29	29	32	25	20	-2	6	2	2	3	18	35	25	45	46	35	32	40	36	35	36	26.6
Wheeling*	Maximum	61	62	60	59	60	61	59	59	31	37	35	36	35	31	25	20	25	32	34	42	42	40	62	62	72	61	43	52	49	62	..	47.0
	Minimum	22	17	35	32	29	30	35	28	13	20	20	22	28	10	6	0	10	2	2	1	16	29	19	32	42	32	35	22	21	22	32	21.4
Southern Division																																	
Beckley	Maximum	..	..		..	..	..	..	..	..	..	..	..	43	38	28	20	27	37	34	46	55	55	62	60	64	52	55	44	59	68	62	47.8
	Minimum	20	26	29	40	29	41	41	22	19	27	33	31	38	26	17	0	11	10	9	15	26	37	36	43	50	34	34	39	38	43	25	28.7
Bluefield	Maximum	62	60	60	..	60	65	60	50	49	44	..	54	51	50	29	28	29	..	40	47	51	50	61	60	..	..	61	50	60	61	64	52.2
	Minimum	24	29	34	..	31	38	43	24	26	30	..	34	34	28	23	6	11	..	11	17	29	37	39	43	..	..	38	40	42	46	31	30.3
Charleston*	Maximum	59	64	62	66	63	72	70	64	42	34	42	46	40	39	32	24	24	36	38	44	52	54	73	..	..	72	49	50	61	77	..	51.8
	Minimum	26	26	31	33	31	31	37	32	22	23	31	31	31	29	25	7	7	12	12	13	21	26	34	39	..	..	37	38	36	39	45	27.8
Gary*	Maximum	..	62	..	64	61	69	59	42	50	52	53	46	49	39	34	28	33	42	37	51	55	52	60	67	69	50	47	49	68	72	55	52.2
	Minimum	20	..	19	..	22	25	27	27	18	18	35	42	36	34	26	10	9	15	14	14	20	24	30	30	37	34	37	44	42	40	46	27.4
Hinton*	Maximum	62	59	62	60	62	69	54	41	49	38	45	47	43	39	35	27	21	27	29	41	41	54	53	53	55	41	44	49	62	66	53	47.8
	Minimum	21	21	24	24	25	26	27	29	19	19	34	36	33	35	27	8	8	13	4	5	12	17	27	27	34	36	36	40	44	41	44	25.7
Huntington	Maximum	60	66	65	60	63	68	64	64	43	34	34	36	31	32	30	30	23	35	36	42	46	50	69	69	69	68	61	54	47	70	68	51.3
	Minimum	24	28	37	38	32	38	43	29	22	27	27	31	27	27	20	4	13	5	11	15	20	32	29	38	43	38	35	39	29	43	32	28.3
Lewisburg	Maximum	58	54	57	55	55	63	58	53	48	46	36	45	39	39	33	27	28	27	28	37	40	50	53	48	55	54	47	51	56	65	63	47.4
	Minimum	17	20	23	26	27	24	29	23	14	30	31	35	30	31	19	3	18	5	-6	-1	3	4	21	19	22	20	33	38	37	34	32	21.3
Marlinton	Maximum	54	50	52	50	52	60	48	54	42	28	34	36	34	38	34	12	22	28	28	36	38	46	48	44	54	54	34	46	50	54	56	42.5
	Minimum	12	14	18	20	24	16	22	18	10	22	28	24	22	22	10	-2	10	-8	-8	-2	-4	28	14	22	30	30	28	32	34	30	28	17.5
Point Pleasant	Maximum	60	64	65	55	60	68	64	41	40	38	33	34	31	30	27	20	24	30	35	38	44	52	65	68	68	62	45	52	47	60	68	48.0
	Minimum	20	24	30	35	38	35	40	26	20	22	22	28	20	19	15	-4	9	0	8	7	16	36	25	44	38	36	29	37	21	40	31	24.7
Rainelle	Maximum	58	59	56	55	53	65	56	45	45	36	39	42	43	43	28	18	24	37	34	40	48	51	55	56	62	55	41	45	55	62	59	47.3
	Minimum	13	17	18	25	21	23	25	23	13	29	31	31	27	27	17	0	12	10	-1	6	10	33	26	31	37	31	32	38	38	35	27	22.7
Ravenswood	Maximum	49	55	63	58	55	64	64	45	36	36	34	33	31	29	27	21	24	29	30	36	42	49	63	62	66	64	48	56	49	58	57	46.2
	Minimum	20	25	34	31	25	37	44	28	21	25	25	29	23	21	9	-5	11	3	5	6	15	35	26	38	41	36	29	39	24	40	32	24.9
Richwood	Maximum	64	61	58	65	63	66	68	47	44	48	53	52	45	37	44	20	30	34	47	38	55	58	63	58	64	62	44	43	56	57	65	51.9
	Minimum	20	24	26	32	24	31	43	23	20	31	30	31	28	33	17	1	14	12	12	11	21	36	30	33	37	35	33	36	33	34	25	26.4
Robertsburg*	Maximum	65	68	60	62	65	68	62	56	42	33	38	38	35	30	23	17	22	7	20	38	50	47	68	70	68	48	44	53	50	68	..	47.2
	Minimum	18	19	28	30	26	29	50	27	18	18	25	25	24	23	13	-3	3	-4	-2	5	12	25	26	31	34	35	30	34	27	30	37	22.4
Ryan	Maximum	60	65	65	60	65	70	61	40	39	33	33	36	36	28	24	15	25	26	36	40	40	50	68	65	70	50	46	45	60	68	68	48.0
	Minimum	14	19	24	25	19	25	35	25	13	21	24	28	21	21	6	-6	9	-12	-3	-2	5	30	23	36	34	28	27	35	26	38	28	19.9
Spencer*	Maximum	63	63	64	59	61	67	62	38	41	41	40	37	36	28	24	15	21	31	34	42	48	52	69	69	67	45	46	46	59	68	42	47.7
	Minimum	19	20	24	38	29	39	48	29	18	26	26	36	25	24	18	-1	12	-4	3	3	15	35	35	45	45	36	31	38	30	34	41	26.4
Sutton	Maximum	56	61	61	61	60	65	65	54	44	39	39	39	36	35	30	25	25	29	36	41	45	50	66	66	65	64	45	48	58	70	70	49.9
	Minimum	17	21	28	30	24	29	36	29	16	26	32	35	28	27	22	-1	12	2	2	4	10	36	26	42	46	38	29	44	39	35	32	25.7
Union	Maximum	54	56	57	..	55	65	65	54	46	46	..	45	45	47	34	28	23	..	29	34	38	45	48	58	..	62	44	47	55	65	64	48.5
	Minimum	16	19	21	..	24	23	29	23	15	27	..	30	30	31	22	3	10	..	-6	-2	8	29	23	29	..	30	34	36	40	35	33	22.7
White Sulphur Spgs.	Maximum	55	48	54	53	57	65	48	43	43	31	37	42	40	35	32	18	22	32	29	39	40	50	47	46	58	45	42	45	46	60	50	43.6
	Minimum	17	19	21	24	20	25	21	11	18	29	30	31	33	16	3	10	10	-7	2	6	12	17	21	29	17	15	26	17	33	42	9	18.6
Williamson*	Maximum	53	62	60	59	59	68	59	38	42	37	47	42	42	36	30	30	25	33	35	41	48	48	61	67	67	48	49	48	58	71	51	48.8
	Minimum	23	23	26	27	26	26	32	31	23	24	33	35	34	33	27	11	11	8	9	13	22	26	32	33	41	39	38	42	43	44	47	28.5

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1-27-33—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

Vol. XL Parkersburg, W. Va., Year, 1932 No. 13

GENERAL SUMMARY

The year 1932 averaged considerably warmer and somewhat wetter than usual. The snowfall was the lightest of State record.

The winter months were abnormally warm, while the early spring and late fall periods were cold. January and February were the warmest winter months of State record. The summer and early fall seasons were somewhat warm.

A wet winter was followed by generally dry weather during April and May. The precipitation during March was unusually heavy. The summer and fall months were wet, except August and September. Heavy to excessive rains occurred in Fayette and Kanawha counties during July, causing serious floods in the smaller streams, with loss of many lives and great destruction to property.

The spring months were favorable for farming operations. During the latter part of February early peach bloom developed rapidly, but the cold weather of March caused considerable damage. The season of growth was ample for ripening of all crops, extending generally from the middle of April to the last week in October.

The sunshine at Parkersburg averaged 53 per cent. of the possible amount, or 7 per cent. above the normal. For Elkins the average was 52 per cent., or 6 per cent. above the normal.

The wind movement for Parkersburg was 59,985 miles, and at Elkins 52,115 miles.

THE WEATHER BY MONTHS

JANUARY.—The month was the warmest January of State record, with an average temperature of 43.4 degrees. The previous warmest January was in 1913, when the average temperature was 40.7 degrees. The precipitation was considerably above the normal, and was excessive in many of the central counties, causing marked floods in the smaller rivers. The snowfall was the least of January State record, the average for the month being only 0.3 inch. Stock remained in the open practically the entire month.

FEBRUARY.—The month was much warmer and wetter than usual. The average temperature, 41.6 degrees, was the highest of February State record. The precipitation averaged considerably above the normal, while the snowfall was the least of February State record. Maximum temperatures were exceptionally high on the 11th. At the close of the month early peach trees were in bloom in many localities.

MARCH.—The average temperature, 36.6 degrees, was considerably below the normal, and the precipitation was much above. The longest period of low temperature of March record probably occurred from the 5th to the 16th, when the lowest temperature of the winter occurred. The snowfall was much above the average. Heavy snow fell over the northern counties on the 5th-6th, and 27th-28th, making travel by automobile difficult in the mountain regions.

APRIL.—April was cool and dry. The average precipitation, 2.21 inches, was the least of April State record since 1915, except 1930. Freezing temperature and heavy to killing frosts occurred generally during the second decade, and also from the 27th to the 29th, killing early peach bloom in many localities. The snowfall was less than one-half the normal.

MAY.—The temperature averaged slightly above the normal, and the precipitation was somewhat below. There were but three periods of moderately warm weather, while the temperature was below the normal for about two-thirds of the month. Light to killing frosts occurred on the 3d and 30th, the damage from frost being practically limited to the mountain regions. Growth was slow or stunted during the last decade on account of lack of moisture. At the close of the month pastures and meadows were in rather poor condition and small fruits were scarce.

JUNE.—The month was somewhat warm and wet. Cool weather prevailed at the close of the first decade and the beginning of the second decade, causing frosts in sections of the mountain regions. The damage, however, was slight. Light frost was also reported from a few scattered localities on the 24th. There was abundant rain after the 11th, causing an excellent advancement of all crops. There was but small damage from hail.

JULY.—The month was somewhat warm and unusually wet, being the wettest July of State record since 1912, and the wettest month since October, 1929. Monthly amounts exceeding 10 inches fell over the Great Kanawha Watershed, causing serious floods in the smaller streams. Much corn was washed from low bottoms along the streams by high water. Temperature was much below the normal from the 2d to the 5th, and from the 24th to the close of the month. There was but slight damage from hail.

AUGUST.—August was warm and dry with an abundance of sunshine. The average number of clear days, 20, was the greatest of August State record. The rainfall fell mostly during thundershowers, and was unfavorably distributed. Unusually warm weather prevailed on the last day of the month with maximum temperatures near or slightly above 100 degrees. On account of the warm, dry weather, the month was unfavorable for growth and farm work.

SEPTEMBER.—The temperature averaged somewhat above normal and the rainfall considerably below. Light to heavy frosts occurred in scattered sections on the 8th, 18th, and 25th, and the first general heavy frost on the 30th. From the 5th to the 21st there was practically no precipitation. At the close of the month corn was in shock and husking was general. A large yield of potatoes was secured.

OCTOBER.—The month was somewhat warm and cloudy, with the precipitation considerably above the normal. Heavy to excessive rains occurred in the eastern sections on the 6th, and 17th-18th, causing considerable damage to corn on low bottoms by marked rises in the smaller streams and rivers. The first general killing frost of the season occurred on the 29th, but on account of the lateness of the season very little damage resulted. Light snow or snow flurries occurred at many of the mountain stations on the 6th and 28th. The month was favorable for apple-picking, corn husking, and farm work.

NOVEMBER.—November was unusually cold, being the coldest November since 1926. A cold wave set in near the close of the month with temperature readings near or slightly above zero in the mountain districts. The precipitation was somewhat above the normal. Heavy to excessive rain fell over the eastern sections on the 9th, with the amounts exceeding 2.50 inches in 24 hours in Berkeley and Jefferson counties. The snowfall was unusually light, being one of the lightest of November record. Winter grains were in good condition at the close of the month.

DECEMBER.—The month was warm and dry. Unusually high temperatures were recorded on the 6th, 24th, 25th, and 30th. Temperatures were continuously low from the 7th to the 22d, with readings below zero on the mornings of the 16th, 18th, and 19th. A low reading of 12 degrees below zero was recorded at Lost Creek and Ryan. The snowfall was somewhat above the average and fell mostly during the second decade.

ERRATA

Correct Monthly Climatological Data for 1932, to read: January.— Wellsburg, greatest 24-hour precipitation 1.25 on 29-30th. March. —Brownsville, mean minimum 22.4 and monthly mean 37.1. April. —Lewisburg, highest temperature 77 on the 7th. July.—Buckhannon, lowest temperature 50 on the 25th.

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Precipitation			Number of days			
	State mean	Highest	Lowest	State average	Greatest local amount	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	......	......	45.96	......	......	......	......	......	......
1892	52.3	99	−12	38.33	7.20	......	......	......	....	......
1893	52.0	99	−25	39.82	7.85	......	116	......	......	......
1894	53.5	103	−29	34.52	7.48	......	102	155	114	96
1895	51.5	107	−21	32.82	7.69	......	100	150	111	104
1896	53.6	97	−10	43.49	**15.70**	......	111	132	128	106
1897	53.5	103	−18	41.59	8.42	......	116	141	113	111
1898	53.9	103	−13	47.61	11.57	20.6	117	133	129	103
1899	53.0	100	−35	40.97	8.64	36.1	108	142	107	116
1900	54.3	104	−11	37.62	9.00	30.6	114	135	116	114
1901	52.0	104	−11	44.78	11.10	28 2	116	128	95	142
1902	52.8	104	−14	42.19	9.95	49.1	112	128	118	119
1903	52.2	105	−19	40.55	12.30	29.8	112	151	102	112
1904	51.4	98	−20	33.33	8.29	31.7	111	148	110	108
1905	52.3	100	−22	45.53	10.64	35.3	117	144	102	119
1906	54.0	101	−11	44.36	11.15	40.2	130	134	101	130
1907	52.1	98	−23	**52.15**	13.36	35.0	138	128	102	135
1908	53.6	101	−16	40.47	11.45	38.0	116	155	110	101
1909	53.0	101	−10	43.02	10.50	30.3	126	143	109	113
1910	52.3	98	−11	38.60	13.16	47.4	118	140	103	122
1911	54.5	106	− 5	47.13	12.63	23.2	131	140	97	128
1912	51.7	100	−34	43.83	14.02	33.9	124	159	81	126
1913	54.1	103	− 4	48.29	10.53	31.6	122	162	79	124
1914	52.2	106	−22	39.71	10.05	67.7	116	153	81	131
1915	52.7	101	− 8	44.14	11.38	29.4	125	146	84	135
1916	52.5	104	−18	45.52	10.79	43.9	121	157	92	117
1917	**50.1**	104	**−37**	43.56	14.20	54.6	123	163	74	128
1918	53.1	110	−27	45 28	10.28	37.7	122	160	83	122
1919	54.0	104	−16	47.89	13.08	16.8	118	164	78	123
1920	51.8	99	−11	42.04	9.70	25.7	120	147	75	144
1921	**55.7**	101	−10	45.46	10.67	22.4	122	145	98	127
1922	53 9	100	−15	41.30	8.19	25.8	117	164	68	133
1923	52.8	102	−20	45.04	12.42	23.9	125	161	73	131
1924	50.7	104	−16	47.21	10.88	36.1	129	154	79	133
1925	52.8	104	−27	40.57	13.08	31.1	124	147	85	133
1926	51.6	107	−23	49.60	15.36	49.4	139	126	81	158
1927	53.7	100	−14	49.14	12.40	26.6	138	138	77	150
1928	52.3	103	−14	43.29	11.69	45.8	134	136	82	148
1929	52.7	104	−19	46.77	11.14	44.5	132	142	77	146
1930	53.2	**112**	−21	**25.43**	7.02	34.2	107	164	79	122
1931	54.7	108	−10	42.36	10.74	18.5	132	146	82	137
1932	54.0	106	−12	43.86	15.56	16.5	119	163	82	121
1891-1932	52.9	112	−37	42.74	15.70	34.0	120	146	94	125

CLIMATOLOGICAL DATA FOR THE YEAR 1932

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
PANHANDLE DIVISION																				
Bayard	Grant	2,375	32	49.1	95	Sept 2	−1	Dec. 16†	32	51.46	7.54	Mar.	1.12	Apr.	52.5	133	210	64	92	w.
Brandywine	Pendleton	1,586	17	53.2	100	Aug. 31†	−8	Dec. 18	17	33.90	5.65	Oct.	0.97	Sept.	21.0	84	231	18	117	n.
Circleville	Pendleton								1		5.75	Mar.	1.06	Sept.						
Harpers Ferry	Jefferson	244							43	42.29	7.21	Oct.	1.64	Aug.	17.8	106				
Kearneysville	Jefferson	548	2	55.2	101	Aug. 31†	−4	Dec. 18	2	41.00	6.27	Nov.	2.06	Dec.	15.0	93	151	141	74	w.
Martinsburg	Berkeley	435	41	55.2	103	Sept 1	4	Dec. 19	41	42.09	6.78	May	1.49	Sept.	9.0	105	271	66	29	w.
Moorefield	Hardy	900	36	56.2	106	Sept. 1	−8	Dec. 18	36	34.18	5.88	May	0.70	Sept.		69				
Piedmont	Mineral	1,053	20	52.8	98	Aug. 31†	5	Dec. 16	20	36.67	5.67	Oct	0.57	Apr.		93	147	120	99	nw.
Romney	Hampshire	824	35	54.0	104	Sept. 1	0	Dec. 19	35	38.41	7.16	June	0.92	Sept.		91	166	79	121	
Stony River Dam	Grant	3,300							12	45.22	6.66	Mar.	0.86	Sept.	60.0	115	83	89	194	w.
Upper Tract	Pendleton	1,230	33		100	Sept. 1	2	Dec. 16	33		5.35	Oct.	0.80	Sept.						
Wardensville	Hardy	1,200	5	53.6	102	Sept. 1	−7	Dec. 18	5	36.16	6.70	May	0.98	Sept.	14.5	109				
NORTHERN DIVISION																				
Aberdeen	Upshur	1,060							8	42.02	6.11	Mar.	1.76	Sept.	15.8	119	129	141	96	w.
Alma (near)	Tyler	800							6	40.84	7.19	July	1.26	Sept.	11.8	131	159	91	116	
Alpena	Randolph	2,571	3	48.6	90	Sept. 1	−6	Dec. 16	3	50.72	8.47	July	2.21	Sept.	59.5	131	116	160	90	
Benson	Harrison	1,080	9	53.3	97	Sept. 1†	−10	Dec. 16	9	42.59	6.36	Jan.	1.13	Sept.	13.5	113	149	149	68	
Bens Run	Pleasants	622	31	56.8	101	Aug. 31†	−2	Dec. 16	31	35.20	5.26	July	1.13	Apr.		96				
Brownsville	Lewis	1,032	8	54.8	100	Sept. 1	−4	Dec. 16	8	43.17	6.52	July	1.80	Sept.	8.0	116	196	101	69	
Bruceton Mills	Preston	1,549							21	44.80	7.41	July	1.55	Sept.	25.6	102				sw.
Buckhannon	Upshur	1,411	36	53.7	92	Sept. 1	−3	Dec. 16	36	48.56	7.85	July	1.50	Sept.	16.5	95	213	53	100	
Cairo	Ritchie	680	32	54.9	101	Sept. 1	−9	Dec. 16	32	43.96	7.70	July	0.14	Sept.	18.7	105				
Clarksburg	Harrison	1,015	10	53.2	101	Sept. 1	−6	Dec. 16	10	43.16	6.81	July	0.87	Sept.	11.5	124	140	90	126	sw.
Crawford	Lewis	1,107							9	43.64	6.30	Mar.	1.09	Sept.	12.7	126	156	124	86	sw.
Creston	Wirt	640	31	54.7	103	Sept. 1	−7	Dec. 18	31	46.36	6.97	Jan.	1.53	Sept.	11.0	114	160	34	172	
Dam 10 Mon. R.	Marion	826							16	39.07	4.99	Mar.	1.33	Sept.	8.0	124				
Dam 12 O. R.	Ohio	630							16	34.87	4.94	Jan.	1.07	Sept.		132				
Dam 13 O. R.	Ohio	655							16	38.98	6.59	July	1.16	Feb.		144				
Dam 15 Mon. R.	Monongalia	882							10	39.20	5.90	July	1.04	Apr.	17.0	135				
Davis	Tucker	3,093							22		6.57	Aug.	1.18	Sept.						
Elizabeth	Wirt	615							7	42.05	7.46	July	1.47	Sept.	11.5	125				
Elkins	Randolph	1,947	32	51.3	94	Sept. 1	0	Dec. 16	32	49.15	7.88	July	1.86	Sept.	23.0	144	83	116	167	w.
Fairmont	Marion	883	27	55.2	101	Sept. 1	−2	Dec. 16†	40	39.33	5.68	July	1.02	Sept.	22.4	135	143	98	125	w.
Glenville	Gilmer	738	39	56.6	104	Sept. 1	−5	Dec. 18	45	46.50	7.04	July	1.21	Sept.	11.2	127	176	103	87	w.
Grafton	Taylor	1,000	40	54.3	97	Sept. 1†	3	Dec. 18†	40	43.83	6.39	July	1.15	Sept.	15.0	107				
Horner	Lewis	1,044							9	46.68	6.87	July	1.46	Sept.		107				
Janelew (near)	Lewis	1,020	9	55.0	100	Sept. 1	−7	Dec. 16	9	40.86	5.22	Jan.	1.90	Sept.	10.7	93	200	66	100	sw.
Lost Creek	Harrison	1,026	35	54.0	104	Sept. 1†	−12	Dec. 16	35	42.99	5.94	Jan.	0.93	Sept.	14.7	118	174	73	119	w.
Mannington	Marion	985	30	52.7	93	Sept. 1	−11	Dec. 16	30	42.70	5.52	Jan.	1.37	Apr.	23.9	149	146	91	129	w.
Morgantown	Monongalia	1,250	40	53.2	100	Sept. 1	−4	Dec. 16	58	34.92*	4.96	June	0.92	Apr.	11.2		147	90	124	sw.
New Cumberland	Hancock	671	35	52.4	100	Sept. 1	−4	Dec. 16	35	32.91	5.57	Jan.	0.79	Feb.	13.6	154	113	95	158	s.
New Martinsville	Wetzel	634	39		100	Aug. 31†	−6	Dec. 16	39	40.50	5.93	July	1.24	Feb.	10.8	94	181	86	99	s.
Parkersburg	Wood	638	44	55.5	98	Sept. 1	−3	Dec. 16	44	38.99	6.42	July	0.94	Sept.	9.3	135	129	87	150	se.
Parsons	Tucker	1,649	33		102	July 20	1	Dec. 15	33	43.93	7.02	Mar.	1.49	Sept.			139	115	112[a]	
Philippi	Barbour	1,550							39	47.53*	5.88	Mar.	2.91	Sept.						
Pickens	Randolph	2,697	30	50.8	96	Sept. 2	−10	Dec. 16	42	67.11	9.79	Mar.	2.72	Sept.	62.5	135	188	82	96[c]	w.
Roanoke	Lewis	1,050							9	40.26	5.84	Mar.	1.29	Sept.	11.2	116	201	45	120	
Rowlesburg	Preston	1,375							47	47.69	5.83	Mar.	2.57	Sept.	27.7	137				
Saint Marys	Pleasants	577							23	40.76	7.56	July	1.01	Sept.	12.8	142				
Terra Alta	Preston	2,559	33	48.0	92	Sept. 2	−4	Dec. 16	33	45.97	6.04	Mar.	2.12	Sept.	37.3	145	66	91	209	w.
Thomas	Tucker	1,112							4	50.76	7.16	Mar.	2.52	Dec.	42.4	144				
Valley Chapel	Lewis	1,011	9	54.7	99	Sept. 1†	−5	Dec. 16	9	42.03	6.15	July	0.90	Sept.	11.5	121	174	47	145	w.
Vandalia	Lewis	1,120							10	45.48	5.72	Mar.	1.64	Sept.		99				
Wellsburg	Brooke	668	32	52.9	100	Aug. 31†	−11	Dec. 16	40	36.46	5.37	Jan.	1.17	Feb.	14.5	101	140	122	104	
West Milford	Harrison	979							6	44.16	7.05	July	0.88	Sept.		91				
Weston	Lewis	1,026	37		100	Sept. 1	−2	Dec. 16	43	45.57	5.86	Jan.	1.93	Sept.		139	56	207	103	
Wheeling	Ohio	645	46	52.9	103	Aug. 31	0	Mar. 9†	48	35.63	5.07	Jan.	1.23	Feb.	13.8	134				sw.
Woodlands	Marshall	637							6	39.87	6.41	Aug.	1.44	Sept.	13.0	136	184	59[b]	123	sw.
SOUTHERN DIVISION																				
Arbovale	Pocahontas	2,734							8	42.98	6.41	July	1.34	Sept.	27.4	124	184	79	103	w.
Bancroft	Putnam	574	29	54.5	94	July 21	0	Dec. 16	29	41.69	9.69	July	0.35	Aug.	5.5	86				ne.
Beckley	Raleigh	2,440	31		97	Sept. 2	0	Dec. 16	31	55.14	7.57	June	2.39	Nov.	15.4	151	162	108	96	
Bluefield	Mercer	2,563	37	55.6	95	Sept. 2	6	Mar. 10†	37	42.27	5.90	May	2.12	July		122				
Charleston	Kanawha	600	29	58.3	104	Aug. 31†	7	Dec. 16†	47	47.90	10.47	July	1.07	Sept.	3.2	114	130	24	212	
Clay	Clay	706							16	59.48	15.56	July	1.22	Sept.	15.6	149				
Dam 6 G. K.	Kanawha	598							17	44.24	9.12	July	0.89	Nov.		101				
Dam 19 O. R.	Wood	600							15	33.20	5.02	Jan.	1.21	May		126				
Dam 20 O. R.	Wood	600							15	34.14	5.44	July	1.16	May		125				
Dam 25 O. R.	Mason	565							6	33.67	5.16	Jan.	1.43	Aug.		115				
Dam 26 O. R.	Mason	564							16	37.70	8.55	July	0.51	Sept.	0.7	118				
Durbin	Pocahontas	2,724							1		7.59	Mar.	2.10	Dec.						
Gary	McDowell	1,426	14	55.8	100	Sept. 2	5	Mar. 15	15	45.35	5.74	June	1.71	Nov.		157				
Hinton	Summers	1,431	37	56.4	98	Aug. 30†	4	Dec. 19	37	46.46	5.79	June	2.29	Apr	11.1	133	203	56	107	
Huntington	Cabell	538	37	59.0	103	Sept. 1	4	Dec. 16	38	41.51	7.44	July	0.78	May	6.0	116	132	116	118	sw.
Kanawha Falls	Fayette	618							15	45.84	6.47	Mar‡	1.57	May	3.0	99				
Kayford	Kanawha	1,335							15	59.18	9.16	July	2.43	Dec.	13.6	146				
Kermit	Mingo	579							7	43.39	7.45	July	0.70	Sept.	6.5	101				
Kingston	Fayette	1,481							3	57.32	9.58	July	1.83	Nov.						
Lewisburg	Greenbrier	2,250	33		92	July 11	−6	Dec. 19	38		5.53	June	1.24	Jan.						
Logan	Logan	700							28	46.69	7.75	June	1.71	Sept.	5.3	104				
Madison	Boone	675	12		101	Sept. 1	−1	Dec. 17	38		7.85	July	1.33	Sept.						
Marlinton	Pocahontas	2,131	33	47.8	90	Aug. 31†	−8	Dec. 18†	33	58.16	8.17	Mar.	3.19	Dec.	16.5	108	88	203	75	sw.
Point Pleasant	Mason	595	39	56.5	102	Sept. 1	−4	Dec. 16	42	38.52	7.34	July	0.92	Sept.	6.4	124	163	106	97	sw.
Rainelle	Greenbrier	2,424	3	50.5	95	Sept. 2	−1	Dec. 19	3	57.54	8.31	June	1.57	Sept.	11.6	149	205	36	125	
Ravenswood (Dam 22)	Jackson	584	9	56.1	102	Sept. 1	−5	Dec. 16	17	35.89	5.73	July	1.16	Aug.	6.3	115	161	0	205	nw.
Richwood	Nicholas	2,193	3	54.6	96	Sept. 1	1	Dec. 16	3	55.74	10.25	July	1.66	Sept.	24.5	151	230	0	236	nw.
Robertsburg	Putnam	570	32	55.1	105	Sept. 1	−4	Dec. 18	32	37.67	7.90	July	0.63	Sept.	7.0	116	195	0	171	
Ryan	Roane	700	29	53.0	100	Sept. 2	−12	Dec. 18	29	47.42	9.30	July	0.62	May	11.6	130	160	92	114	
Sharples	Logan	889							12	41.38	6.19	July	0.10	Sept.		65				
Spencer	Roane	784	27	55.5	103	Sept. 1	−4	Dec. 18	34	46.79	7.58	July	1.31	May	8.5	115	154	106	106	
Sutton	Braxton	850	28	55.7	101	Sept. 1†	−1	Dec. 16	28	53.97	10.60	July	1.50	Sept.	16.0	118	243	0	123	
Union	Monroe	2,250	28	54.0	99	Aug. 31	−6	Dec. 19	28	35.81	4.78	May	0.94	Apr.	14.1	87				
Wayne	Wayne	598							7	42.75	6.57	June	0.83	Sept.	6.7	106				
White Sulphur Springs	Greenbrier	1,914	22	51.5	96	Sept. 1†	−7	Dec. 18	22	39.87	4.95	June	2.00	Aug‡		96	240	28	98	
Williamson	Mingo	660	32	57.4	100	Sept. 1	8	Dec. 18	32	46.73	8.17	June	0.76	Sept.	5.7	137	155	103	108	nw.
State averages and	extremes			54.0	106	Sept. 1	−12	Dec. 16†		43.86	15.56	July	0.10	Sept.	16.5	119	163	82	121	w.

[a] 1 day interpolated from nearby stations, [b] 2 days, etc. † And other dates ‡ And other months * Partly interpolated

Monthly and Annual Mean Temperatures for the Year 1932, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
PANHANDLE DIVISION																										
Bayard	39.7	+11.3	[c]39.0	+ 9.9	31.5	-6.7	46.2	-0.7	56.0	-0.4	63.6	+0.1	67.3	-0.1	65.6	-0.2	60.1	-0.6	50.0	+1.0	36.8	-2.0	33.4	+3.7	49.1	+1.3
Brandywine	39.8	+ 9.6	40.8	+ 8.9	35.8	-6.6	50.4	+0.6	61.0	+2.6	68.8	+1.9	72.2	+1.1	71.2	+1.3	65.5	+1.4	54.6	+4.7	40.4	-1.4	37.3	+3.8	53.2	+2.3
Kearneysville	44.8	......	41.2	......	38.7	......	50.6	......	62.5	......	71.8	......	76.0	......	75.1	......	67.5	......	55.2	......	41.8	......	37.0	......	55.2	......
Martinsburg	[a]43.7	+13.1	[a]39.8	+ 8.6	[a]37.3	-4.5	[a]51.0	-0.6	[a]63.3	+0.5	[a]73.2	+2.4	[a]77.4	+1.9	[a]75.5	+2.6	[a]69.0	-0.3	[a]55.8	+1.3	[a]40.4	-2.7	[a]36.4	+4.8	55.2	+2.3
Moorefield	45.8	+13.3	44.0	+10.0	39.5	-5.2	52.2	-0.7	64.4	+1.2	72.0	+2.1	76.8	+2.3	75.6	+2.2	[a]67.8	+0.4	56.6	+1.0	[b]42.2	-1.8	[a]36.9	+2.7	56.2	+2.3
Piedmont	41.8	+11.8	39.5	+ 6.1	35.6	-6.3	49.0	-1.6	60.9	+0.9	68.7	+0.7	72.8	+0.8	72.0	+1.7	66.2	+0.9	52.8	-0.5	39.5	-2.4	34.4	+1.9	52.8	+1.2
Romney	[a]42.4	+11.3	[a]39.6	+ 6.4	[a]36.8	-5.9	[a]50.0	-1.8	[e]62.3	-0.6	[e]71.0	+1.2	[a]74.3	-0.5	[a]74.6	+2.0	[a]67.6	+0.9	[a]53.8	-1.1	[a]39.8	-3.2	[a]35.4	+2.4	54.0	+0.9
Upper Tract	41.0	+ 8.6	[f]40.7	+ 7.6	[f]34.0	-8.8	[c]49.2	-1.8	.....	......	[j]64.9	-2.7	.....	......	[g]69.5	-0.7	[b]63.2	-2.1	[d]50.6	-3.9	[f]36.8	......	[g]33.5	-0.2	......	......
Wardensville	[b]42.8	......	[a]40.6	......	[a]36.8	......	[a]50.2	......	[a]61.0	......	[a]69.2	......	[a]73.5	......	[b]71.8	......	[a]66.0	......	[c]54.5	......	[b]40.8	......	[b]35.6	......	53.6	......
NORTHERN DIVISION																										
Alpena	39.2	......	37.0	......	31.1	......	46.0	......	55.6	......	62.9	......	66.0	......	64.6	......	58.2	......	[a]49.8	......	37.3	......	35.1	......	48.6	......
Benson	44.0	......	41.4	......	35.8	......	50.4	......	61.0	......	69.3	......	72.0	......	70.2	......	65.6	......	54.6	......	39.8	......	35.5	......	53.3	......
Bens Run	45.1	+12.7	42.3	+10.0	38.2	-5.6	52.6	-0.2	65.4	+2.5	74.6	+4.0	76.8	+1.9	76.3	+2.9	71.2	+3.0	58.4	+1.9	43.3	-0.5	[h]37.6	+3.2	56.8	+3.0
Brownsville	44.0	......	41.2	....	[a]37.1	......	[a]52.3	......	63.4	......	71.0	......	74.2	......	72.0	......	67.0	......	55.6	......	42.2	......	[c]37.9	......	54.8	......
Buckhannon	44.1	+12.0	41.9	+ 9.1	37.5	-4.6	50.6	-0.6	61.2	+0.2	69.8	+1.4	71.8	+0.1	70.4	+0.5	64.7	+0.3	54.8	+1.1	41.1	-0.8	36.6	+2.8	53.7	+1.8
Cairo	45.0	+11.0	42.2	+ 8.7	37.0	-8.0	52.4	-1.7	62.8	-0.5	70.9	+0.5	73.6	-0.6	71.8	-0.7	67.6	-0.5	[f]57.2	+1.5	43.0	-0.4	35.8	+1.4	54.9	+0.9
Clarksburg	42.0	+10.6	40.0	+ 6.1	35.0	-5.7	50.2	-1.2	62.0	+2.0	70.8	+1.7	72.6	-0.8	71.5	-0.5	66.4	-0.9	54.0	+1.0	39.2	-3.1	34.4	-0.2	53.2	+0.8
Creston	44.6	+10.9	42.5	+ 8.2	37.8	-6.6	52.0	-1.3	62.6	-0.6	71.0	+0.4	73.8	-0.9	72.6	-0.6	67.2	-0.5	55.8	+0.1	41.4	-2.6	34.9	-0.2	54.7	+0.5
Elkins	42.2	+11.8	39.3	+ 7.7	33.6	-6.4	47.8	-1.0	58.4	-0.8	66.6	-0.3	69.5	-0.8	68.5	-0.6	62.2	-0.8	51.9	-0.4	39.4	-0.9	36.4	+3.7	51.3	+0.9
Fairmont	42.7	+11.0	[a]40.8	+ 8.2	36.5	-5.4	52.1	+0.3	64.9	+3.0	73.4	+3.3	75.2	+1.2	74.7	+2.2	69.1	+1.9	[a]55.4	+0.5	[a]41.2	-1.4	36.2	+2.6	55.2	+2.3
Glenville	46.8	+13.3	44.0	+ 9.7	40.3	-4.6	54.4	+0.5	65.0	+1.5	72.7	+1.7	75.6	+0.4	73.6	-0.3	69.6	+1.3	56.2	+0.2	43.4	-0.6	38.0	+2.4	56.6	+2.1
Grafton(near)	45.9	+13.6	41.4	+ 9.2	37.4	-4.3	51.2	-0.4	62.2	+0.7	69.8	+0.7	72.0	-0.5	71.4	0	66.5	+0.1	55.4	+0.3	41.4	-1.4	37.0	+3.2	54.3	+1.8
Janelew	45.7	......	43.1	....	38.0	......	52.0	......	63.2	.....	70.8	..	74.1	....	72.3	......	66.5	......	55.9	......	41.4	......	37.1	......	55.0	......
Lost Creek	44.2	+11.6	41.6	+ 9.2	36.1	-6.7	50.6	0	62.0	+0.6	70.2	+2.4	73.0	+0.9	71.8	+1.1	66.7	+1.4	55.4	+1.2	41.0	-1.4	35.6	+1.4	54.0	+1.8
Mannington	43.6	+12.2	40.6	+ 8.1	35.7	-7.1	49.5	-1.7	61.0	+0.6	69.0	+1.1	71.0	-0.7	69.2	-1.0	64.6	-0.2	54.1	+0.5	39.9	-1.8	34.2	+0.9	52.7	+0.9
Morgantown	42.3	+10.3	41.6	+ 9.1	[a]36.4	-6.0	49.8	-2.1	60.6	-1.6	[a]67.4	-1.9	69.6	+3.8	70.0	-2.0	67.2	-0.2	55.2	0	41.5	-2.1	37.2	+3.1	53.2	+0.9
New Cumberland	[a]40.8	+12.6	[a]37.0	+ 8.2	[a]33.2	-6.5	[a]47.2	-2.1	[a]61.2	+1.0	[a]70.2	+2.2	[a]73.0	+0.2	[a]72.0	+1.3	[a]65.8	+1.5	[a]55.0	+1.1	[a]39.7	-1.7	[a]33.3	+1.9	52.4	+1.6
New Martinsville	43.9	+11.2	41.6	+ 8.2	..	......	51.3	-1.4	65.4	+2.4	73.3	+2.2	74.6	-0.5	74.2	+0.6	69.4	+0.9	57.7	+1.0	43.3	-1.3	36.4	+1.3	......	......
Parkersburg	43.9	+11.4	42.6	+ 8.4	37.6	-5.2	52.0	-1.4	64.0	+0.2	73.1	+1.7	74.9	-0.5	74.1	+0.2	69.1	+1.8	56.9	+0.8	41.9	-1.9	36.0	+0.8	55.5	+1.4
Parsons	43.3	+12.2	39.9	+ 8.7	36.4	-3.9	50.6	+1.4	61.1	+2.4	69.6	+2.8	70.8	+0.2	71.6	+2.3	65.0	+1.5	[c]53.8	+2.3	......	......	......	......	......	......
Pickens	40.6	+ 9.9	[b]38.6	+ 6.9	33.3	-6.2	48.1	-0.1	58.8	+0.7	65.8	-2.7	67.8	-0.6	[a]68.0	+1.5	62.5	+0.8	51.6	0	39.3	-0.9	[a]35.2	+3.3	50.8	+1.0
Terra Alta	36.4	+ 8.8	36.4	+ 7.9	29.4	-9.0	44.8	-2.1	[a]55.8	-1.6	64.5	-0.2	66.4	-1.8	64.6	-2.3	60.3	-1.5	[b]49.2	0	36.2	-4.4	32.0	+1.6	48.0	-0.4
Valley Chapel	45.4	......	42.2	......	36.8	......	52.0	....	63.0	......	71.0	......	71.5	.. .	72.6	......	67.7	......	56.4	......	40.8	......	37.4	......	54.7	......
Wellsburg	41.7	+11.9	38.2	+ 8.7	35.2	-4.8	48.7	-0.9	61.2	+1.1	70.6	+2.7	72.6	+0.6	72.0	+1.8	66.6	+2.0	54.7	+1.3	39.8	-1.8	33.0	+1.1	52.9	+2.0
Weston	44.7	+11.0	43.5	+10.0	38.2	-5.9	52.8	0	63.5	+0.8	.....	......	74.5	+0.3	73.6	+1.0	68.4	+1.3	57.0	+1.6	42.5	-1.3	37.6	+2.0	......	......
Wheeling	[a]39.6	+ 9.6	37.4	+ 5.6	[a]34.6	-6.5	[a]48.1	-3.7	61.2	-0.6	71.5	+1.0	73.8	-0.8	[c]73.2	+0.4	[d]69.0	+1.8	[c]52.3	-2.5	39.8	-2.2	[a]34.2	+1.9	52.9	+0.3
SOUTHERN DIVISION																										
Bancroft	[f]41.6	+ 7.7	[a]40.5	+ 5.8	[a]34.9	-9.5	[a]51.9	+1.6	[a]62.2	-0.5	[a]72.4	+1.8	[a]74.8	+0.3	[a]74.0	+1.0	[a]69.2	+1.0	[a]54.3	-2.3	[a]42.5	-2.0	[a]35.2	0	54.5	+0.4
Beckley	46.5	+14.0	47.0	+13.0	......	......	52.6	+2.5	59.8	0	68.1	-1.8	70.6	-3.2	70.4	-1.8	64.9	-1.2	......	......	......	......	[l]38.2	+4.5	......	......
Bluefield	[f]47.2	+12.6	[e]44.6	+10.2	[d]39.6	-5.2	[d]52.6	-1.0	[f]63.2	+1.5	[d]69.2	-0.9	[f]73.0	+1.5	[f]71.8	+1.3	[g]65.4	-0.7	[e]55.2	-0.5	[e]43.6	-1.1	[e]41.2	+4.7	55.6	+1.9
Charleston	46.4	+ 8.8	46.9	+ 8.0	40.3	-7.7	56.6	+0.3	66.8	+3.4	75.8	+2.9	[e]76.8	+0.1	77.6	+2.4	69.6	-1.1	58.8	0	44.4	-3.3	[c]39.8	+0.4	58.3	+1.0
Gary	[a]44.6	+10.4	44.1	+ 6.8	[a]39.6	-3.7	53.7	+0.1	63.2	+2.2	[a]71.3	+2.3	74.0	+1.4	73.6	+1.8	67.4	-1.1	[a]55.6	+0.1	42.2	-2.4	[b]39.8	+2.8	55.8	+1.7
Hinton	44.0	+ 9.8	44.0	+ 8.8	39.4	-5.1	54.0	+0.8	65.0	+1.6	72.6	+2.2	75.6	+1.4	[a]75.4	+2.2	69.1	+1.3	57.4	+0.4	43.3	-0.5	36.8	+1.3	56.4	+2.0
Huntington	48.0	+14.8	46.8	+12.9	42.0	-3.0	56.3	-0.1	67.4	+2.7	75.5	+2.7	77.8	+1.4	76.8	+2.2	71.8	+3.1	60.0	+4.0	46.1	+2.2	39.8	+4.7	59.0	+4.0
Lewisburg	44.6	+12.6	41.7	+ 8.7	36.6	-5.7	49.6	-1.0	60.5	+0.4	67.4	+0.2	71.4	+0.5	....	......	65.5	+1.1	53.6	+0.4	40.8	-0.9	34.4	+1.2	......	......
Madison	....	......	...	......	....	......	......	......	...	......	...	......	76.1	+1.4	[a]75.5	+1.2	68.8	+1.2	55.6	+1.2	42.1	-1.7	36.6	+1.8	......	......
Marlinton	36.8	+ 9.1	35.6	+ 3.9	31.1	-7.2	45.6	-1.3	55.6	-1.5	63.2	-1.1	66.6	-1.0	65.8	-0.5	59.0	-2.2	49.6	0	34.4	-3.1	30.0	+0.8	47.8	-0.3
Point Pleasant	45.8	+12.1	44.0	+11.0	38.4	-7.2	54.1	-0.8	65.4	+0.6	74.0	+1.6	76.4	+0.1	74.8	0	69.2	-0.2	57.0	-0.2	43.0	-2.3	36.4	+0.9	56.5	+1.3
Rainelle	40.5		39.6	......	34.4	......	47.3	......	58.6	......	64.0	......	69.0	......	67.6	......	61.8	......	[a]50.3	......	38.0	......	35.0	......	50.5	......
Ravenswood(Dam 22)	46.1	+12.4	44.3	+ 6.6	39.0	-5.3	53.4	-0.5	63.4	+1.8	72.6	+2.6	75.6	+1.2	74.0	+1.3	69.0	0	58.1	+2.5	42.3	-2.9	35.6	-1.9	56.1	+1.5
Richwood	46.6	......	46.5	......	38.1	......	50.2	......	61.4	......	69.4	......	71.5	......	71.0	......	64.6	......	55.0	.....	42.0	......	39.2	......	54.6	.....
Robertsburg	43.2	+10.3	41.3	+ 7.5	36.8	-7.6	52.0	-1.1	63.4	+0.1	75.4	+4.3	76.0	+0.7	75.2	+1.3	67.8	-0.5	54.9	-1.7	39.9	-3.5	[a]34.8	+0.4	55.1	+0.8
Ryan	41.6	+ 8.9	40.8	+ 6.7	34.0	-9.0	50.2	-2.0	60.5	-0.9	69.1	+0.2	71.8	-1.2	71.6	-0.1	66.6	+2.3	55.4	+3.0	39.8	-3.4	34.0	-0.2	53.0	+0.4
Spencer	44.5	+11.2	44.4	+ 9.6	37.5	-5.8	53.4	+0.7	63.3	-0.9	72.0	+2.4	74.0	+0.6	73.6	+1.4	[a]68.4	+2.1	[a]55.8	+1.0	[a]42.3	-1.5	37.0	+0.7	55.5	+1.8
Sutton	45.6	+11.8	43.6	+ 7.9	[a]38.2	-3.5	52.9	+0.1	63.8	+0.5	71.1	-0.2	74.6	-0.2	73.7	+0.4	68.3	-0.3	57.4	+0.8	41.4	-2.4	37.8	+3.1	55.7	+1.5
Union	[e]43.9	+10.9	[h]42.9	+ 8.1	[d]38.8	-5.1	[d]51.6	-0.2	[f]61.4	+0.5	[d]68.9	+1.1	[e]73.1	+1.7	[d]71.5	+1.3	[d]65.0	-1.0	[e]55.0	+0.8	[d]40.5	-1.7	[d]35.6	+2.0	54.0	+1.5
White Sulphur Springs	[a]40.6	+ 9.0	[a]39.2	+ 3.8	[a]36.2	-7.3	[a]50.4	-1.2	[a]60.4	-0.2	[a]68.0	0	71.0	-0.4	68.8	-1.6	63.0	-1.9	51.6	-0.7	38.0	-4.0	31.1	+0.8	51.5	-0.3
Williamson	45.3	+ 9.7	45.5	+ 8.5	40.0	-7.1	55.1	-0.4	66.4	-1.4	74.8	+2.3	77.8	+1.9	76.2	+1.5	69.3	-0.3	56.8	-0.9	43.2	-2.3	38.6	+1.4	57.4	+1.1

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

TEMPERATURE AND PRECIPITATION DATA FOR 1932

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January	43.4	+11.2	82	7	4.82	+0.94	0.3	14	9	6	16	W.
February	41.6	+ 8.3	86	7	3.22	+0.54	0.2	9	11	8	10	W.
March	36.6	- 6.1	80	- 3	5.32	+1.39	8.0	13	8	8	15	W.
April	50.9	- 0.6	88	18	2.21	-1.37	0.8	10	15	5	10	W.
May	62.1	+ 0.5	96	24	3.11	-0.76	0	9	17	7	7	W.
June	70.1	+ 1.3	99	29	4.46	+0.07	0	11	14	8	8	W.
July	73.1	+ 0.2	102	40	6.02	+1.56	0	12	17	8	6	W.
August	72.1	+ 0.7	104	38	3.04	-1.13	0	6	20	7	4	W.
September	66.5	+ 0.4	106	25	1.58	-1.47	0	6	18	7	5	W.
October	54.9	+ 0.5	90	22	3.91	+0.82	0.1	9	12	7	12	W.
November	40.9	- 2.0	85	0	3.34	+0.18	0.2	8	13	5	12	W.
December	36.0	+ 1.9	82	-12	2.83	-0.51	6.9	12	9	6	16	W.
Annual	54.0	+ 1.4	106	-12	43.86	+0.26	16.5	119	163	82	121	W.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	......	5.740	2.569	7.334	6.120	4.982	2.637	......
	Wind Movement	......	2,247	1,555	1,062	1,326	927	1,078	1,492	......

KILLING FROSTS

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Alpena	June 9	Sept. 25	Martinsburg	April 17	Oct. 31
Bancroft	April 28	Oct. 30	Moorefield	May 3	Sept. 30
Bayard	June 9	Sept. 7	Morgantown	April 27	Nov. 2
Bens Run	April 29	Nov. 2	New Cumberland	May 3	Oct. 13
Benson	May 3	Sept. 30	New Martinsville	May 19	Oct. 22
Beckley	May 3	Sept. 30	Parkersburg	April 18	Nov. 2
Bluefield	April 27	Oct. 7	Parsons	May 3	Sept. 18
Brandywine	June 9	Sept. 30	Piedmont	May 3	Sept. 30
Brownsville	April 20	Oct. 7	Pickens	May 30	Sept. 30
Buckhannon	April 17	Oct. 29	Point Pleasant	April 28	Oct. 30
Cairo	May 3	Oct. 7	Rainelle	May 30	Sept. 18
Charleston	April 15	Oct. 7	Ravenswood	April 28	Oct. 7
Clarksburg	May 3	Oct. 29	Richwood	May 3	Oct. 29
Creston	May 18	Oct. 7	Robertsburg	April 28	Oct. 7
Elkins	May 3	Oct. 29	Romney	May 3	Sept. 30
Fairmont	May 3	Oct. 22	Ryan	May 3	Sept. 30
Gary	April 28	Oct. 7	Spencer	May 3	Oct. 30
Glenville	May 3	Oct. 29	Sutton	April 28	Oct. 29
Grafton	May 3	Sept. 30	Terra Alta	June 8	Sept. 30
Hinton	April 28	Oct. 29	Union	May 3	Oct. 7
Huntington	April 15	Oct. 30	Upper Tract	May 30	Sept. 29
Janelew	May 3	Sept. 30	Valley Chapel	May 3	Oct. 22
Kearneysville	April 17	Oct. 14	Wardensville	May 3	Sept. 30
Lewisburg	May 3	Sept. 25	Wellsburg	May 30	Sept. 30
Lost Creek	May 3	Sept 30	Weston	April 17	Oct. 29
Madison	....	Oct. 29	Wheeling	May 3	Oct. 6
Mannington	May 3	Sept. 30	White Sulphur Spgs.	May 29	Oct. 6
Marlinton	May 30	Sept. 18	Williamson	April 19	Nov. 10

Monthly and Annual Precipitation for the Year 1932, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Panhandle Division																										
Bayard	4.25	-0.95	4.35	+0.41	7.54	+2.90	1.12	-3.12	6.52	+1.80	6.45	+0.73	6.06	+1.03	3.09	-1.95	2.47	-1.33	4.35	+0.44	3.18	-0 13	2.08	-2.28	51.46	-2.45
Brandywine	2.65	+0.58	2.52	+0.73	3.70	+1.23	1.55	-1.60	5.03	+2.43	2.50	-0.89	3.18	-0.17	1.45	-1.68	0.97	-1.46	5.65	+3.42	2.60	+0.69	2.10	+0.33	33.90	+3.61
Circleville	......	......	3.91	......	5.75	......	2.08	......	4.45	......	4.45	......	4.54	......	3.04	......	1.06	......	5.34	......	2.93	......	1.42	......	......	......
Harpers Ferry	3.35	+0.75	2.27	-0.14	4.39	+1.45	2.21	-0.93	6.67	+3.05	2.30	-1.37	2.84	-0.55	1.64	-2.15	1.66	-1.09	7.21	+4.17	5.74	+3.49	2.01	-0.50	42.29	+6.18
Kearneysville	3.08	......	2.51	......	3.48	......	2.13	......	6.06	......	2 31	......	2.84	......	2.09	......	2.22	......	5.95	......	6.27	......	2.06	......	41.00	......
Martinsburg	3.62	+1.09	2.28	-0.23	4.08	+0.90	2.14	-1.05	6.78	+2.96	2.33	-1.95	4.14	+0.53	1.90	-1.87	1.49	-1.36	5.85	+2.95	5.40	+3.13	2.08	-0.62	42.09	+4.48
Moorefield	2.33	-0.01	2.63	+0.35	4.42	+1.83	1.14	-1.86	5.88	+2.33	2.68	-1.17	3.22	-0.04	2.36	-0.69	0.70	-1.87	4.24	+1.97	2.87	+1.24	1.71	-0.39	34.18	+1.69
Piedmont	3.47	+1.01	2.11	-0.37	4.32	+1.45	0.57	-3.03	5.40	+2.30	4.13	+0.49	2.36	-1.06	3.02	-0.37	0.60	-1.66	5.67	+2.91	3.50	+1.43	1.52	-0.75	36.67	+2.35
Romney	2.91	+0.48	2.46	+0.27	2.77	-0.04	1.46	-1.50	5.61	+2.11	7.16	+3.23	2.98	-0.42	1.55	-2.12	0.92	-1.83	5.39	+2.83	3.89	+2.03	1.31	-0.99	38.41	+4.05
Stony River Dam	3.45	+0.66	3.81	-0.02	6.66	+3.53	2.32	-1.66	4.66	+0.26	2.93	-1.33	4.60	+0.41	4.35	-0.24	0.86	-2.05	6.17	+3.07	3.31	+0.22	2.10	-1.24	45.22	+1.61
Upper Tract	......	......	2.66	+1.03	4.20	+2.08	1.48	-0.93	4.80	+2.01	2.30	-1.17	3.80	+0.41	1.84	-1.35	0.80	-1.53	5.35	+3.22	2.70	+1.20	1.10	-0.70	......	......
Wardensville	2.65	......	2.15	......	4 47	......	1.22	......	6.70	......	3.55	......	2.59	......	1.61	......	0.98	......	5.66	......	3.49	......	1.09	......	36.16	......
Northern Division																										
Aberdeen	5.44	......	2.71	......	6.11	......	2.27	......	2.23	......	2.97	......	4.79	......	2.96	......	1.76	......	3.67	......	3.81	......	3.30	......	42.02	......
Alma	4.86	......	1.60	......	4.21	......	1.48	......	2.17	......	4.85	......	7.19	......	3.16	......	1.26	......	3.54	......	3.25	......	3.27	......	40.84	......
Alpena	3.57	......	4.82	......	6.57	......	2.36	......	4.14	......	3.29	......	8.47	......	6.11	......	2.21	......	4.03	......	2.28	......	2.87	......	50.72	......
Benson	6.36	......	2.59	......	5.29	......	1.83	......	1.42	......	3.13	......	5.73	......	4.41	......	1.13	......	3.72	......	3.73	......	3.25	......	42.59	......
Bens Run	4.03	-0.02	1.57	-1.61	4.73	+0.73	1.13	-2.63	1.33	-2.82	3.83	-0.47	5.26	+0.65	3.64	-0.62	1.31	-1.23	2.86	-0.18	3.51	+0.61	2.00	-1.62	35.20	-9.21
Brownsville	6.02	......	2.97	......	5.15	......	2.07	......	1.91	......	3.61	......	6.52	......	2.40	......	1.80	......	4.01	......	4.05	......	2.66	......	43.17	......
Bruceton Mills	4.65	-0.29	2.58	-1.14	6.27	+2.57	1.74	-2.10	3.59	-0.25	3.31	-1.94	7.41	+2.38	2.90	-1.93	1.55	-2.32	2.49	-1.75	4.51	+1.33	3.80	+0.61	44.80	-4.83
Buckhannon	5.20	+0.86	3.74	-0.18	6.81	+2 33	1.88	-2.38	2.32	-2.25	3.74	-1.31	7.85	+2.80	3.80	-0.25	1.50	-1.65	3.66	+0.31	4.31	+0.82	3.75	+0.33	48.56	-0.57
Cairo	5.84	+1.64	2.21	-1.06	5.07	+1.11	1.74	-1.79	2.01	-1.44	3.08	-1.78	7.70	+3.06	3.38	-0.43	0.14	-2.92	4.28	+1.32	4.91	+2.07	3.60	-0.14	43.96	-0.36
Cheat Bridge	5.21	......	4.89	......	9.24	......	3.86	......	3.86	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Clarksburg	5.14	+1.77	2 37	-0.86	4.42	+1.50	2.28	-1.19	2.04	-1.63	6.68	+2.49	6.81	+3.24	3.01	-1.15	0.87	-2.93	3.23	-0.13	3.70	+0.50	2.61	-0.44	43.16	+1.17
Crawford	4.83	......	3.79	......	6.30	......	2.06	......	2.21	......	3.49	......	4.94	......	3.54	......	1.09	......	4.23	......	4.19	......	2.97	......	43.64	......
Creston	6.97	+3.16	2.89	-0.23	4.92	+1.06	1.79	-2.06	1.98	-1.90	6.51	+2.24	6.85	+2.66	2.42	-1.47	1.53	-1.08	3.91	+0.71	3.16	+0.37	3.43	0	46.36	+3.46
Dam 10, Mon. R.	4.14	......	1.49	......	4.99	......	1.57	......	2.91	......	4.41	......	4.79	......	3.69	......	1.33	......	2.93	......	3.40	......	3.42	......	39.07	......
Dam 12, O. R.	4.94	+1.86	1.20	-1.23	2.97	-0.43	1.62	-1.54	4.31	+0.97	2.97	-0.93	4.22	+0.58	3.03	-0.96	1.07	-2.34	2.36	-0.74	3.66	+0.72	2.52	-0.42	34.87	-4.46
Dam 13, O. R.	5.07	+2.01	1.16	-1.29	4.04	+0.92	1.83	-1.32	2.76	-0.76	2.45	-1.16	6.59	+2.60	4.18	+0.23	1.20	-2.33	3.13	+0.15	4.01	+1.20	2.56	-0.29	38.98	-0.04
Dam 15, Mon. R.	4.79	......	2.18	......	4.53	......	1.04	......	2.62	......	3.92	......	5.90	......	3.66	......	1.17	......	2.89	......	3.62	......	2.88	......	39.20	......
Davis	5.03	-0.16	5.33	+1.07	7.59	+3.14	3.75	-0.64	4.87	+0.30	3.97	-1.44	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Davis (No. 2)	......	......	......	......	5.82	+1.37	4.22	-0.17	4.33	-0.27	3.20	-2.21	4.88	-0.33	6.57	+1.64	1.18	-2.70	4.15	+0.05	3.02	-0.30	2.36	-2.59	......	......
Elizabeth	5.06	+1.00	2.41	-0.46	4.41	+0.68	1.89	-1.45	1.97	-1.56	6.19	+2.13	7.46	+2.99	1.96	-2.59	1.47	-1.32	3.05	-0.43	2.76	-0.11	3.42	+0.18	42.05	-0.94
Elkins	3.95	+0.17	4.81	+1.61	7.06	+3.26	2.58	-1.04	3.52	-0.53	3.26	-1.80	7.88	+2.50	5.01	+1.15	1.86	-1.29	3.87	+0.96	2.81	+0 03	2.54	-0.92	49.15	+4.10
Fairmont	4.49	+0.66	2.04	-1.08	4.10	+0.26	1.38	-1.96	2.88	-1.00	3.82	-0.60	5.68	+1.23	3.82	+0.09	1.02	-1.81	3.18	+0.25	3.04	+0.16	3.88	+0.50	39.33	-3.30
Glenville	6.17	+1.94	3.22	-0.52	5.39	+1.25	2.28	-1.51	1.59	-2.62	4.68	+0.19	7.04	+1.81	2.85	-1.22	1.21	-2.17	4.33	+1.18	3.89	+0.68	3.85	+0.10	46.50	-0.89
Grafton	5.15	+1.21	2.66	-0.52	5.65	+1.77	2.00	-1.73	2.99	-1.00	2.91	-1.59	6.39	+1.68	3.46	-0.49	1.15	-1.74	4.33	+1.16	3.43	+0.44	3.71	+0.28	43.83	-0.53
Horner	6.72	......	3.26	......	5.84	......	2.03	......	2.28	......	4.37	......	6.87	......	3.17	......	1.46	......	3.01	......	4.27	......	3.40	......	46.68	......
Horton	3.46	......	3 75	......	7.25	......	1.83	......	3.68	......	6.81	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Janelew	5.22	......	2.32	......	4.55	......	2.20	......	3.25	......	3.20	......	5.15	......	2.70	......	1.90	......	3.63	......	3.75	......	2.99	......	40.86	......
Lost Creek	5.94	+2.00	2.68	-0.45	5.47	+1.59	1.24	-2.21	2.04	-2.13	4.31	-0.07	5.50	+0.86	3.50	-0.60	0.93	-2.10	4.37	+1.48	4.08	+1.26	2.93	-0.59	42.99	-0.96
Mannington	5.52	+1.35	1.64	-1.31	5.47	+1.61	1.37	-2.47	2.50	-1.52	5.38	+1.16	4.83	-0.01	3.45	-0.63	1.65	-1.80	3.12	-0.02	4.23	+1.29	3.54	+0.03	42.70	-2.32
Morgantown	2.58	-1.11	1.45	-1.60	2.95	-0.57	0.92	-2 34	2.05	-1.55	......	......	3.83	-0.97	3.54	-0.58	1.25	-1.87	2.42	-0.75	4.95	+2.04	4.02	+0.98	......	......
New Cumberland	5.57	+2.76	0.79	-1.70	3.42	+0.17	2.10	-1.21	2.67	-0.74	2.75	-1.86	4.83	+0.73	1.22	-2.14	1.00	-1.93	2.17	-0.61	3.92	+1.64	2.47	-0.28	32.91	-5.17
New Martinsville	5.15	+1.45	1.24	-1.77	4.68	+1.03	1.42	-2.09	2.76	-0.90	2.68	-1.46	5.93	+1.25	4.51	+0.94	1.94	-0.92	3.02	+0.05	3.42	+0.54	3.75	+0.24	40.50	-1.64
Parkersburg	4.20	+0.62	1.58	-1.65	3.72	+0.23	1.69	-1.50	1.22	-2.16	4.05	+0.05	6.42	+2.13	2.49	-1.02	0.94	-1.82	2.46	-0.02	2.71	+0.14	2.51	-0.52	33.99	-5.52
Parsons	5.94	+1.35	3.84	+0.32	7.02	+2.91	2.22	-1.62	4.34	+0.34	3.72	-1.38	5.22	+0.15	3.53	-0.45	1.49	-1.69	2.74	-0.55	1.82	-1.14	2.05	-1.98	43.93	-3.74
Parsons (No. 2)	4.74	+0.15	5.40	+1 88	7.15	+3.04	2.85	-0.99	5 39	+1.39	5.05	-0.05	5.46	+0.39	4.43	+0.45	1.93	-1.24	......	......	......	......	......	......	......	......
Philippi	4.77	+0.65	2.92	-0.44	5.88	+1.81	3.08	-0.90	3.48	-0.85	2.95	-1.84	5.73	+0.70	4.48	+0.38	2.91	-0.51	4.28	+1.21	4 02	+0.97	......	......	......	......
Pickens	6.41	-0.02	7.35	+2.08	9.79	+3.91	4.14	-1.07	2.82	-2.58	7.22	+1 06	7.83	+1.51	4.83	-0.56	2.72	-1.43	5.61	+1.37	4.11	-0.14	4.28	-1.20	67.11	+2.93
Roanoke	5.76	......	3.36	......	5.84	......	1.69	......	1.82	......	3.43	......	4.75	......	2.25	......	1.29	......	3.78	......	3.61	......	2.68	......	40.26	......
Rowlesburg	5.15	+0.69	4.08	+0.53	5.83	+1.49	3.09	-1.03	4.86	+0.37	4.49	-0.51	4.63	+0.34	3.31	-0.84	2.57	-0.59	3.45	+0.25	3.32	+0.08	2.91	-1.08	47.69	-0.30
St. Marys	4.91	+0.79	1.58	-1.64	4.41	+0.68	1.98	-2.72	2.53	-1.07	2.81	-1.24	7.56	+3.28	4.49	-0.09	1.01	-1.87	2.94	-0.26	3.66	+0.65	2.88	-0.64	40.76	-4.13
Terra Alta	4.53	-0.49	3.75	+0.13	6.04	+1.62	2.26	-1.93	4.45	-0.45	5.47	-0.82	5.16	-0.13	3.33	-1.69	2.12	-1.57	3.32	-0.61	3.12	-0.11	2.42	-2.37	45.97	-8.42
Thomas	4.72	......	4.93	......	7.16	......	2.97	......	4.85	......	2.70	......	5.48	......	3.73	......	3.83	......	4.58	......	3.29	......	2.52	......	50.76	......
Valley Chapel	6.06	......	3.15	......	5.93	......	1.87	......	1.86	......	3.25	......	6.15	......	2.46	......	0.90	......	3 50	......	3.87	......	3.03	......	42.03	......
Vandalia	5.48	......	3.86	......	5.72	......	2.44	......	2.12	......	3.97	......	5.14	......	3.37	......	1.64	......	4.77	......	3.84	......	3.13	......	45.48	......
Wellsburg	5.37	+2.02	1.17	-1.40	4.43	+1.14	2.22	-1.00	2.43	-1.10	1.73	-2.73	4.26	-0.08	2.17	-1.59	2.62	-0.46	3.20	+0.31	4.26	+1.74	2.60	-0.45	36.46	-3.60
West Milford	5.05	......	2.97	......	5.78	......	1.66	......	2.37	......	3.91	......	7.05	......	3.95	......	0.88	......	4.02	......	4.03	......	2.49	......	44.16	......
Weston	5.86	+1.80	3.10	-0.62	5.43	+1.18	2.99	-1.01	2.48	-1.78	3.85	-0.85	5.51	+0.53	2.77	-1.19	1.93	-1.04	4.28	+1.26	3.78	+0.47	3.59	-0.14	45.57	-1.39
Wheeling	5.07	+1.93	1.23	-1.34	2.89	-0.24	1.48	-1.67	3.98	+0.49	2.68	-1.16	4.89	+0.42	3.40	-0.16	1.60	-1.29	2.46	-0.17	3.64	+1.05	2.31	-0.70	35.63	-2.84
Woodlands	5.06	......	1.60	......	4.02	......	2.25	......	2.29	......	2.89	......	5.28	......	6.41	......	1.44	......	2.25	......	3.70	......	2.68	......	39.87	......
Southern Division																										
Arbovale	3.81	......	4.70	......	4.50	......	1.88		3.64	......	3.63	......	6.41	......	2.31	......	1.34	......	4.17	......	3.78	......	2.81	......	42.98	......
Bancroft	5.74	+1.67	3 22	+0 22	5.16	+1.38	2.70	-0.91	0.67	-3.34	5.66	+1.30	9.09	+4.92	0.35	-4.03	1.26	-1.67	3.42	+0.37	1.97	-0.71	2.45	-1.08	41.69	-1.88
Beckley	4.22	+0.38	5.18	+2.20	5.43	+1.67	3.21	-0.21	5.35	+1.82	7.57	+3.27	7.22	+2.81	4.01	+0.68	2.54	-0.04	4.40	+1.46	2.39	0	3.62	+0.41	55.14	+14.45
Bluefield	3.32	+0.24	3.74	+0.55	3.55	+0.15	2.33	-0.98	5.90	+2.52	3.31	-1.22	2.12	-2.29	3.94	-0.09	2.97	+0.40	4.32	+1.38	2.67	+0.36	4.10	+1.14	42.27	+2.16
Camden-on-Gauley	5.15	+1.55	4.03	+1.01	3.88	-0.56	2.30	-1.35	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Charleston	4.74	+0.89	4.18	+0.66	5.95	+1.65	3.12	-0.61	1.84	-2.14	3.60	-0.80	10.47	+6.26	3.10	-1.38	1.07	-1.96	4.38	+1.46	2.46	-0.67	2.99	-0.42	47.90	+2.94
Clay	4.59	+1.20	4.48	+1.23	7.02	+2.72	2.93	-0.64	3.17	-0.81	9.01	+4.69	15.56	+11.21	1.77	-2.86	1.22	-2.19	4.42	+1.13	2.76	-0.41	2.55	-1.27	59.48	+14.00
Dam 6 G. K.	4.25	......	3.94	......	5.35	......	2.09	......	1.70	......	4.58	......	9.12	......	3.21	......	3.21	......	3.53	......	0.89	......	2.37	......	44.24	......
Dam 19 O. R.	5.02	+1.54	1.81	-0.88	3.94	+0.16	1.48	-2.04	1.21	-2.80	2.37	-1.63	4.59	+0.47	4.07	+0.04	1.25	-2.05	2.12	-1.20	3.11	-0.33	2.23	-1.03	33.20	-9.75
Dam 20 O. R.	4.85	+1.39	2.02	-0.98	3.94	+0 13	2.18	-1.20	1.16	-2.48	2.27	-1.68	5.44	+1.76	1.93	-2.37	1.39	-1.49	2.93	-0.41	3.33	+0.07	2.70	-0.61	34.14	-7.87
Dam 25 O. R.	5.16	......	2.08	......	3.77	......	1.87	......	1.49	......	4.26	......	5.07	......	1.43	......	1.51	......	2.58	......	2.68	......	1.77	......	33.67	......
Dam 26 O. R.	6.10	+2.35	2.57	-0.07	4.91	+1.25	1.86	-1.42	0.79	-2.82	3.05	-0.60	8.55	+5.02	1.91	-1.53	0.51	-1.73	2.65	-0.06	2.53	-0.23	2.27	-0.86	37.70	-0.70
Durbin	......	......	......	......	7.59	......	3.70	......	2.32	......	5.34	......	4.36	......	2.85	......	3.15	......	4.54	......	2.84	......	2.10	......	......	......
Gary	3.62	+0.05	3.92	+0.56	4.81	+1.20	3.51	+0.05	4.70	+0.52	5.74	+0.89	2.65	-1.44	2.89	-1.92	3.45	+0.40	4.05	+0.79	1.71	-1.31	4.30	+0.90	45.35	+0.69
Hinton	3.61	+0.53	4.21	+1.12	5.24	+1.37	2.29	-0.93	5.46	+1.84	5.79	+1.54	3.77	-0.18	2.31	-1.60	3.20	+0.54	4.27	+1.62	3.27	+0.93	3.04	+0.11	46.46	+6.89
Huntington	5.93	+2.09	3.08	+1.17	6.46	+2.29	1.65	-1.88	0.78	-3.23	6.10	+1.98	7.44	+3.25	1.42	-2.35	1.02	-1.60	2.59	-0.03	2.27	-0.54	2.77	-0.76	41.51	+0.39
Kanawha Falls	4.21	+0.96	4.33	+1.85	6.47	+3.62	2.58	-1.06	1.57	-2.57	5.19	+1.11	6.47	+1.58	2.47	-2.18	2.62	-0.40	4.85	+1.53	2.56	-0.75	2.52	-0.90	45.84	+2.79
Kayford	4.73	+0.59	4.72	+1.39	5.63	+1.45	4.42	+0 41	3.83	-1.19	7.86	+2.46	9.16	+3.68	5.15	-0.05	3.66	+0.08	4.95	+1.14	2.64	-0.95	2.43	-1.55	59.18	+7.46
Kermit	4.42	......	4.38	......	6.15	......	1.78	......	1 14	......	5.88	......	7.45	......	3.44	......	0.70	......	2.67	......	2.25	......	3.13	......	43.39	......
Kingston	4.12	......	5.24	......	5.80	......	2.97	......	4.16	......	7.38	......	9.58	......	5.20	......	2.36	......	4.68	......	1.83	......	4.00	......	57.32	......
Lewisburg	1.24	-2.06	......	......	2.25	-1 42	2.18	-1.21	4.15	+0.71	5.53	+1.52	3.02	-0.85	......	......	1.26	-1.47	4.03	+1.12	4.18	+1.72	2.81	-0.19	......	......
Logan	4.65	+0.31	5.01	+1 44	5.51	+0.72	2.64	-1.72	2.20	-2.23	7.75	+2.80	6.16	+1.02	1.85	-2.18	1.71	-1.39	4.18	+1.33	2.25	-0.85	2.78	-1.39	46.69	-2.14
Madison	......	......	......	......	......	......	......	......	......	......	......	......	7.85	+2.70	2.98	-0 90	1.33	-2.34	4.42	+1.99	1.76	-1.06	2.86	-0.04	......	......
Marlinton	4.26	+0.26	5.12	+1.64	8.17	+3.91	3.52	+0.02	3.90	-0.10	6.15	+1.34	6.08	+0.96	3.64	-1.25	4.66	+1.62	4.78	+1.67	4.69	+1.64	3.19	-0.61	58.16	+11.10
Point Pleasant	5.07	+1.26	2.49	-0.93	4.70	+0.64	2.17	-1.13	3.09	-0.83	3.72	-0.42	7.34	+3.27	1.12	-2.22	0.92	-1.52	2.60	-0.14	2.82	-0.12	2.48	-0 88	38.52	-3.02
Rainelle	4.81	......	5.69	......	7.04	......	3.19	......	4.63	......	8.31	......	7.66	......	3.37	......	1.57	......	4.98	......	3.61	......	2.68	......	57.54	......
Ravenswood (Dam 22)	5.50	+1.73	2.41	-0.34	4.07	+0.32	1.92	-1.08	1.18	-2.47	3.63	-0.20	5.73	+1.61	1.16	-2 58	1.71	-0.77	2.69	-0.53	2.96	+0.02	2.93	-0.35	35.89	-4.64
Richwood	5.44	......	4.72	......	7.05	......	3.05	......	3.85	......	6.14	......	10 25	......	2.60	......	1.66	......	4.43	......	3.28	......	3.27	......	55.74	......
Robertsburg	5.61	+1.81	2.50	-0.55	5.78	+1.96	2.14	-1.37	0.68	-2.82	4.41	+0.57	7.90	+4.23	0.65	-2.83	0.63	-1.81	2.64	-0.14	2.60	-0.01	2.13	-1.31	37.67	-2.27
Ryan	5.85	+1.85	3.07	-0.31	7.30	+3.18	3.26	-0.56	0.62	-3.02	4.85	+0.31	9.30	+4.82	0.97	-3.09	1.64	-1.33	4.48	+1.11	2.73	-0.09	3.35	-0.12	47.42	+2.75
Sharples	4.41	+0.93	4.73	+1.75	4.27	+0.68	3.48	-0.30	2.85	-1.37	5.44	+0.65	6.19	+1.23	1.56	-3.13	0.10	-3.23	4.34	+1.60	1.44	-2.03	2.57	-1.05	41.38	-4.27
Spencer	6.48	+2.44	2.96	-0.24	4.84	+1.03	2.49	-0.97	1.31	-2.35	6.26	+1.90	7.58	+3.44	2.57	-1.18	1.48	-1.48	4.07	+0.90	3.00	+0.32	3.75	+0.42	46.79	+4.23
Sutton	5.68	+0.93	5.10	+1.60	6.16	+2.07	2.90	-2.32	2.30	-2.31	5.20	+0.03	10.60	+5.05	3.15	-1.20	1.50	-2.02	5 00	+1.80	3.13	-0.38	3.25	-0.78	53.97	+2.47
Union	2.74	-0.60	3.14	+0.30	4.55	+1.12	0.94	-2.04	4.78	+1.97	4.24	+0.35	1.02	-2.91	2.37	-1.45	1.20	-1.36	3.47	+0.50	3.58	+1.22	3.78	+0.99	35.81	-1.61
Wayne	6.39	......	3.58	......	6.09	......	2.09	......	1.39	......	6.57	......	6.13	......	2.09	......	0.83	......	2.74	......	2.41	......	2.44	......	42.75	......
White Sulphur Springs	3.20	+0.58	3.35	+0.35	4.35	+1.25	3.99	+1.00	3.15	-0.17	4.95	+1.18	2.70	-1.16	2.00	-1.58	2.00	-1.15	4.10	+1.24	3.20	+0.86	2.88	-0.20	39.87	+2.20
Williamson	4.42	+0.44	4 97	+1.70	5.05	+0.68	2.25	-1.62	2.50	-1.65	8.17	+3.66	5.41	+1.05	3.35	-0.51	0.76	-2.28	4.18	+1.37	2.50	-0.43	3.17	-0.64	46.73	+1.77

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XLI PARKERSBURG, W. VA., JANUARY, 1933 NO. 1

GENERAL SUMMARY

The past month was abnormally warm, the average temperature, 39.8°, was slightly more than 7° above the normal, and was the third highest of January State record. The outstanding warm Januarys were in 1913 and 1932, when the averages were 40.7° and 43.4°, respectively. The month was characterized by continuously warm weather, the temperature being below the normal for only a few days. This was the fourth consecutive warm January. Unusually high temperatures for the season prevailed from the 16th to the 27th, the highest temperatures of the month ranging generally from 65° to 79°, occurring at practically all stations on the 22d. Zero temperatures were not recorded in any section of the State. The snowfall was exceptionally light, being the second lightest of January State record. While the precipitation averaged slightly above the normal, the amounts were unfavorably distributed. The month was favorable for out-door work, and plowing progressed rapidly during the second decade. Wheat was in good condition, and grass was green in many localities. Stock remained in the open practically the entire month.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 39.8°, or 7.3° above the January normal. Warm weather prevailed during the greater part of the month, with the highest temperatures occurring on the 19th and 22d. Moderately cold weather occurred on the 1st, 12th, 13th, and from the 28th to the 30th, with the lowest readings on the 1st and 13th. The highest monthly mean temperature was 45.0° at Charleston, and the lowest was 33.2° at Terra Alta. The highest temperature was 79° at Wardensville on the 19th, and the lowest, 1° at Pickens on the 1st.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 3.73 inches, which was 0.11 inch more than the normal for the month. The precipitation was the heaviest over the central counties, and lightest over the eastern sections. The greater portion of the precipitation was received on the 9th, 18-19th, 21st-22d, and the 26-28th, the precipitation being heavy over the central-southern counties on the 21st-22d. Light snow or snow flurries occurred on the 9th, and from the 26th to the 28th, with the greatest amounts on the 28th. The greatest monthly precipitation was 6.41 inches at Charleston, and the least was 1.15 inches at Upper Tract. The greatest amount in any 24 consecutive hours was 2.22 inches at Ryan on the 21st. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 26th; Arbovale, 15th; Bens Run, 24th; Creston, 18th and 24th; Elkins, 24th, 26th, and 27th; Glenville, 24th; Grafton, 3d, 25th, and 26th; Hinton, 4th, 6th, 16th, 19th, 22d, and 24th; Huntington, 3d, 9th, 11th, 12th, 17th, 18th, 22d, 24th, and 26th; Madison, 21st; New Cumberland, 3d, 13th, 15th, 22d, and 25th; Parkersburg, 24th; Pickens, 17th, 18th, 26th, 28th, and 29th; Ravenswood, 24th; Richwood, 3d; Terra Alta, 4th, 18th, 21st, 22d, 25th, 26th, and 27th; Wheeling, 20th; Williamson, 4th, 6th, 15th, 16th, 18th, and 24th.

Halos, lunar: Elkins, 6th, 10th, and 11th; Parkersburg, 2d, 6th, and 10th; Terra Alta, 11th; Wellsburg, 11th.

Halos, solar: Elkins, 2d, 5th, 11th, and 12th.

Sleet: Alpena, 29th; Marlinton, 28th.

Thunderstorm: Williamson, 20th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.06	30.63	1	29.29	27	8.7	32	sw.	22	84	67	69	48
Columbus, Ohio	30.05	30.62	1	29.35	27	12.7	41	sw.	22	81	69	69	44
Elkins	30.12	30.67	1	29.37	27	6.6	29	w.	7	80	62	70	48
Lexington, Ky	30.10	30.63	1	29.33	27	14.1	41	sw.	22	88	74	....	48
Parkersburg	30.09	30.70	1	29.34	27	6.9	24	sw.	7	79	62	67	37
Pittsburgh, Pa	30.07	30.64	1	29.38	27	11.5	40	w.	7	76	66	66	42
Wytheville, Va	30.10	30.62	1	29.30	27	7.7	24	w.	22	82	64	68	38

COMPARATIVE DATA FOR JANUARY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	31.7	−0.8	......	......	3.64	+0.02	......	......	......	......	......	......	......
1892	29.4	−3.1	76	− 3	3.15	−0.47	......	......	......	11	......	......	......
1893	22.6	−9.9	71	−25	2.49	−1.13	......	......	......	12	7	7	17
1894	36.6	+4.1	70	− 8	2.41	−1.21	4.23	0.83	......	9	12	8	11
1895	25.0	−7.5	69	−21	4.48	+0.86	6.53	2.37	......	13	6	9	16
1896	32.4	−0.1	72	− 6	1.57	−2.05	2.72	0.67	1.8	15	9	14	8
1897	28.8	−3.7	69	−18	1.70	−1.92	2.85	0.90	4.0	9	10	7	14
1898	37.1	+4.6	75	− 5	5.10	+1.48	8.04	2.24	5.0	12	6	9	16
1899	32.1	−0.4	70	−21	4.05	+0.43	7.01	2.05	7.5	11	10	7	14
1900	34.5	+2.0	74	−10	2.24	−1.38	3.60	0.82	1.9	10	9	8	14
1901	33.6	+1.1	69	− 4	2.41	−1.21	3.87	1.18	7.3	10	8	7	16
1902	30.2	−2.3	64	− 1	3.65	+0.03	8.52	1.45	9.8	9	9	7	15
1903	31.8	−0.7	79	− 7	3.21	−0.41	6.45	1.55	8.6	11	8	7	16
1904	27.5	−5.0	72	−18	2.72	−0.90	5.82	1.24	10.8	11	9	8	14
1905	26.4	−6.1	70	−14	3.15	−0.47	7.43	1.48	22.0	13	7	7	17
1906	38.2	+5.7	80	− 5	3.79	+0.17	8.70	1.36	5.1	9	11	7	13
1907	38.7	+6.2	76	−15	**6.41**	+2.79	11.54	2.35	5.6	14	6	7	18
1908	31.0	−1.5	62	−16	2.92	−0.70	8.19	0.50	12.8	11	12	7	12
1909	36.8	+4.3	76	− 5	3.41	−0.21	6.59	1.50	8.7	12	8	6	17
1910	32.0	−0.5	67	− 5	5.68	+2.06	10.10	2.52	15.4	11	6	6	19
1911	37.3	+4.8	71	− 5	5.86	+2.24	**12.63**	3.11	7.0	14	8	6	17
1912	23.5	−9.0	66	**−34**	2.60	−1.02	6.93	1.10	13.6	10	7	8	16
1913	40.7	+8.2	74	9	6.23	+2.61	10.53	1.84	5.7	13	9	6	16
1914	35.8	+3.3	**83**	−11	3.18	−0.44	5.65	1.55	15.6	10	7	6	18
1915	31.7	−0.8	68	− 8	4.85	+1.23	11.38	2.00	10.4	13	8	6	17
1916	38.8	+6.3	79	−10	4.86	+1.24	8.52	1.70	6.1	13	11	7	13
1917	33.2	+0.7	77	− 9	4.66	+1.04	7.67	1.72	8.3	12	11	6	14
1918	**20.7**	−11.8	55	−27	4.24	+0.62	9.22	2.00	21.5	14	8	5	18
1919	34.1	+1.6	69	−16	3.79	+0.17	6.66	1.60	6.9	8	16	4	11
1920	28.7	−3.8	77	−11	4.12	+0.50	7.26	0.40	3.9	11	8	6	17
1921	35.5	+3.0	71	− 2	2.76	−0.86	5.94	**0.10**	4.3	9	11	6	14
1922	30.2	−2.3	68	−15	2.75	−0.87	4.81	1.01	10.8	11	12	6	13
1923	35.2	+2.7	68	− 1	4.46	+0.84	7.60	1.13	4.4	14	7	5	19
1924	30.1	−2.4	70	−15	4.62	+1.00	7.14	0.62	1.8	10	13	5	13
1925	31.1	−1.4	63	−27	3.81	+0.19	7.07	1.32	15.8	13	11	4	16
1926	29.7	−2.8	66	−23	3.71	+0.09	7.74	1.78	13.3	11	8	5	18
1927	32.5	0	74	−14	4.08	+0.46	9.58	**0.10**	5.9	14	6	5	20
1928	32.0	−0.5	74	−14	2.18	−1.44	4.55	0.12	4.0	8	11	7	13
1929	31.4	−1.1	75	−19	2.92	−0.70	6.67	1.05	6.1	12	7	5	19
1930	34.0	+1.5	80	−13	1.86	−1.76	3.60	0.58	7.0	12	8	6	17
1931	33.7	+1.2	71	−10	**1.37**	−2.25	4.09	0.65	3.6	8	10	7	14
1932	**43.4**	+10.9	82	7	4.82	+1.20	6.72	2.33	0.3	13	9	6	16
1933	39.8	+7.3	79	1	3.73	+0.11	6.41	1.15	1.2	12	12	6	13
Per'd	32.5	......	83	−34	3.62	......	12.63	0.10	8.0	11	9	7	15

Climatological Data for January, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	Observers
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	36.4	+ 8.0	68	22†	5	1	34	2.74	−2.46	1.11	6.5	13	15	3	13	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	40.7	+10.5	70	22	10	1	39	2.25	+0.18	1.05	5.0	5	16	5	10	s.	Elmer Keister
Circleville	Pendleton	......	1	......	......	......	......	......	......	......	2.65	......	0.72	1.6	10	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	......	......	......	......	......	......	......	3.12	+0.52	1.86	3.0	8	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	3	40.4	......	69	19	15	1	33	2.96	......	1.14	1.5	6	16	5	10	se.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}40.6	+10.0	70^{a}	19	16	1	44^{a}	3.22	+0.69	1.80	1.5	8	22	8	1	w.	Dr. H. S Gardner
Moorefield	Hardy	900	37	42.5	+10.0	69	19	11	1	45	2.35	+0.01	1.25	T.	4	28	2	1	......	M. S. Henkel
Piedmont	Mineral	1,053	20	38.4	+ 8.4	66	23	15	2	33	2.58	+0.12	0.84	0	10	17	6	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	39.2	+ 8.1	69	20	13	2	38	2.50	+0.07	1.52	0	5	13	9	9	......	George E. Bergdoll
Stony River Dam	Grant	3,300	13	......	......	......	......	......	......	......	2.19	−0.60	0.70	14.5	8	6	4	21	w.	A. C. Becker
Upper Tract^{e}	Pendleton	1,230	34	38.5	+ 6.1	65	19	16	13	35	1.15	−1.02	0.75	0	4	......	......	......	......	J. M. Mallow
Wardensville	Hardy	1,200	16	^{g}39.6	......	79^{g}	19	13	1†	46^{g}	3.14	......	2.04	2.0	6	12	9	10	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	......	......	......	......	......	......	......	3.31	......	0.56	T.	12	11	5	15	w.	L. Else Bond
Alma (near)	Tyler	800	6	......	......	......	......	......	......	......	2.83	......	0.50	0	12	12	5	14	......	D. N. Furbee
Alpena	Randolph	2,571	3	35.6	......	61	22†	4	1	35	3.05	......	0.56	8.0	14	11	10	10	w.	Christian Hertig
Benson	Harrison	1,080	9	38.4	......	70	23	7	1	38	3.58	......	0.55	0	12	14	8	9	......	John A. Clark
Bens Run	Pleasants	652	31	41.0	+ 8.6	69	22	15	1	29	3.33	−0.72	0.53	0	12	17	4	10	......	J. D. Riggs
Brownsville	Lewis	1,032	10	40.6	......	72	22	11	1†	39	2.59	......	0.50	0	10	16	6	9	......	George M Meyers
Bruceton Mills ††	Preston	1,549	16	......	......	......	......	......	......	......	2.78	−2.16	0.67	1.0	9	9	7	15	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	40.8	+ 8.7	69	22	15	1	30	3.06	−1.28	0.65	T.	12	12	6	13	......	H. A. Darnall
Cairo	Ritchie	680	32	40.8	+ 6.9	72	22	11	13	40	3.94	−0.26	0.63	0	13	15	3	13	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	38.7	+ 7.3	71	22	13	1	37	2.86	−0.51	0.68	0	12	10	7	14	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	......	......	......	......	......	......	......	3.49	......	0.84	0.5	13	10	9	12	sw.	George W. Blair
Creston	Wirt	640	31	39.7	+ 6.0	71	22	12	13	35	5.49	+1.68	1.34	0	14	13	4	14	......	P. M. Basnett
Dam 10 Mon. R	Marion	826	12	......	......	......	......	......	......	......	3.26	+0.07	1.00	0	15	......	......	......	......	Lockmaster
Dam 12 O. R	Ohio	660	17	......	......	......	......	......	......	......	2.61	−0.47	1.16	0	11	......	......	......	......	Lockmaster
Dam 13 O. R	Ohio	655	17	......	......	......	......	......	......	......	2.95	−0.11	1.25	0	12	......	......	......	......	Lockmaster
Dam 15 Mon. R	Monongalia	882	12	......	......	......	......	......	......	......	3.39	+0.17	1.03	0	15	......	......	......	......	Lockmaster
Davis	Tucker	3,093	24	......	......	......	......	......	......	......	2.78	−2.41	0.60	7.5	10	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K)	Wirt	615	21	......	......	......	......	......	......	......	4.82	+0.76	1.30	T.	11	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	32	38.6	+ 8.2	69	22	11	1	35	2.79	−0.99	0.57	2.2	15	7	8	16	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	39.4	+ 7.7	74	22	14	1	35	3.39	−0.44	1.03	0.5	13	11	5	15	s.	J. C. Robinson
Glenville	Gilmer	738	39	42.0	+ 8.5	73	22	15	1†	38	4.89	+0.66	1.15	T	15	15	4	12	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	39.3	+ 7.1	72	22	12	1	35	3.47	−0.47	0.80	T.	9	16	0	15	......	W. E. Clayton
Horner	Lewis	1,044	10	......	......	......	......	......	......	......	2.37	......	0.75	0	10	......	......	......	......	Foster R. Hardman
Janelew (near)	Lewis	1,020	10	40.6	......	72	22	12	1†	38	2.55	......	0.55	0	8	16	3	12	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	39.0	+ 6.4	70	22	10	13	39	3.69	−0.25	0.76	T	13	14	1	16	w.	Allen Smith
Mannington	Marion	985	30	38.8	+ 7.4	70	22	13	1†	33	3.52	−0.65	1.18	1.0	14	12	5	14	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	39.6	+ 7.6	67	22	12	1	33	3.37	−0.32	0.50	T.	12	12	1	18	sw.	Bruce Davis
New Cumberland	Hancock	671	35	^{a}37.5	+ 9.3	70^{a}	22	14	1†	33	2.62	−0.19	0.71	T.	15	8	5	18	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	41.8	+ 9.1	71	22	13	1	34	2.90	−0.80	0.62	0	10	9	10	12	s.	Wm. Ankrom
Parkersburg	Wood	638	46	41.6	+ 9.1	71	22	18	1	27	2.96	−0.61	0.76	T.	13	7	7	17	se.	U. S. Weather Bureau
Parsons ††	Tucker	1,649	33	......	......	......	......	12	1	......	2.30	−2.29	0.60	T.	7	12	9	10	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	7	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Robert T. Deem
Philippi	Barbour	1,550	36	......	......	......	......	......	......	......	2.26	−1.86	0.68	0	8	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	30	36.8	+ 6.1	64	22	1	1	49	5.38	−1.05	1.54	7.5	12	13	5	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	......	......	......	......	......	......	......	3.46	......	0.99	T.	11	13	5	13	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	......	......	......	......	......	......	......	2.79	−1.67	0.55	0.5	14	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	24	......	......	......	......	......	......	......	3.84	−0.28	1.20	0	15	......	......	......	sw.	Wm. Hughes
Terra Alta	Preston	2,559	32	33.2	+ 5.6	66	23	3	1	37	3.11	−1.91	0.65	7.9	13	5	6	20	sw.	J J Shanahan, E. M.
Thomas	Tucker	2,950	4	......	......	......	......	......	......	......	3.23	......	0.75	5.5	13	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	10	38.8	......	70	22	12	1	40	4.08	......	0.82	0.2	12	12	3	16	w.	J. C. Campbell
Vandalia	Lewis	1,120	10	......	......	......	......	......	......	......	3.13	......	0.74	0	10	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	26	38.6	+ 8.8	69	22	11	13	33	3.13	−0.22	0.96	0	9	11	6	14	......	George P. Pfister
West Milford	Harrison	979	8	......	......	......	......	......	......	......	3.93	......	0.60	0	12	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	42.6	+ 8.9	70	22	15	2	34	4.45	+0.39	0.91	0	18	10	10	11	......	A. Henry
Wheeling	Ohio	645	46	^{a}37.9	+ 7.9	69^{a}	19	10	1†	40^{a}	2.71	−0.43	1.17	T.	11	5	9	17	sw.	Miss M B. Forsyth
Woodlands	Marshall	637	6	......	......	......	......	......	......	......	3.09	......	1.00	0	16	4	14	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	......	......	......	......	......	......	......	3.19	......	1.50	5.0	10	12	9	10	w.	H. S. Sutton
Bancroft	Putnam	574	29	^{a}38.3	+ 4.4	65^{a}	18	16	13	35^{a}	5.78	+1.71	1.43	T.	12	13	0	18	ne.	Charles N. Loug
Beckley	Raleigh	2,440	30	39.4	+ 6.9	64	22	10	1	42	4.69	+0.85	0.92	3.5	15	11	7	13	......	L. A. Mauck
Bluefield^{e}	Mercer	2,558	38	42.8	+ 8.2	65	23	13	2	38	3.16	+0.08	0.92	1.0	16	7	8	11	......	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{f}45.0	+ 7.4	73^{e}	22	21^{f}	13†	35^{j}	6.41	+2.56	1.19	0	19	6	2	23	......	D. J. M. Cook
Clay	Clay	706	17	......	......	......	......	......	......	......	5.75	+2.86	1.70	T	14	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	......	......	......	......	......	......	......	4.91	......	1.34	0	10	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	17	......	......	......	......	......	......	......	3.26	−0.22	0.68	0	15	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	17	......	......	......	......	......	......	......	3.81	+0.35	0.72	0	15	......	......	......	......	Lockmaster
Dam 26 O. R	Mason	564	17	......	......	......	......	......	......	......	6.34	+2.59	1.84	0	14	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	......	......	......	......	......	......	......	3.88	......	1.50	3.0	8	......	......	......	......	Mrs. D. R. Gandinees
Gary	McDowell	1,426	17	41.3	+ 7.1	68	22	16	1	38	3.49	−0.09	1.04	0	14	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	40.6	+ 6.4	69	19†	13	2	36	3.61	+0.53	0.89	......	15	11	4	16	......	Mrs. M. L. McClung
Huntington	Cabell	538	36	44.3	+11.1	74	22	18	1	35	4.72	+0.88	1.73	T.	12	9	9	13	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	14	......	......	......	......	......	......	......	6.26	+3.01	1.60	0	16	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	17	......	......	......	......	......	......	......	4.02	−0.12	1.03	2.0	11	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	7	......	......	......	......	......	......	......	4.76	......	1.50	0.2	14	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	3	......	......	......	......	......	......	......	4.63	......	1.40	2.0	9	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	38.1	+ 6.1	65	20	11	1	35	3.52	+0.22	1.98	1.0	4	13	8	10	......	Rose Argabrite
Logan	Logan	700	30	......	......	......	......	......	......	......	5.19	+0.85	1.30	0	13	......	......	......	......	J. R. Wampler
Madison	Boone	675	12	40.8	+ 4.2	72	22	17	1	38	5.40	+1.30	1.73	T	13	8	8	15	nw.	T. A. Stout
Marlinton	Pocahontas	2,131	34	34.0	+ 6.3	62	22	6	2	40	3.79	−0.21	0.86	0.5	12	7	18	6	sw.	S. L. Brown
Point Pleasant	Mason	595	40	42.4	+ 8.7	72	22	13	1	35	4.68	+0.87	0.96	0	14	8	9	14	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	37.4	......	69	19†	9	1	46	5.23	......	1.12	6.0	13	13	3	15	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	42.0	+ 8.3	71	22	15	13	38	4.58	+0.81	0.97	0	13	10	0	21	sw.	Lockmaster
Richwood	Nicholas	2,193	3	39.8	......	66	22	4	1	40	5.98	......	1.75	4.5	15	14	0	17	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	40.5	+ 7.6	75	19	14	13	42	5.95	+2.15	1.60	0	13	14	0	17	......	M. Frazier
Ryan	Roane	700	30	40.2	+ 7.5	72	22	11	13	41	5.93	+1.93	2.22	0.4	12	12	6	13	......	Wm E. Ryan
Sharples	Logan	889	13	......	......	......	......	......	......	......	3.68	+0.20	1.60	0	6	......	......	......	......	R. W. Howard
Spencer	Roane	789	29	41.2	+ 7.9	73	22	15	13	36	5.39	+1.35	1.20	0	12	5	12	14	......	A. M. McKown
Sutton	Braxton	850	27	42.2	+ 8.4	72	22†	15	13	43	2.50	−2.25	0.65	1.0	6	21	0	10	......	C. B. Eakle
Union^{e}	Monroe	2,250	29	39.6	+ 6.6	64	23	10	1	34	2.72	−0.62	0.70	0.5	7	8	5	14	......	W M. H. Young
Wayne	Wayne	598	6	......	......	......	......	......	......	......	5.34	......	1.44	0	14	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	36.6	+ 5.0	62	21	9	1	36	3.10	+0.48	0.65	0	10	13	3	15	......	A. P. Spence
Williamson	Mingo	673	33	42.3	+ 6.7	71	22	21	1	36	5.05	+1.07	1.14	0.5	15	11	3	17	se.	J. E. Dotson
State averages and	extremes	......	......	39.8	+ 7.3	79	19	1	1	49	3.73	+0.11	2.22	1.2	12	12	6	13	sw.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for January, 1933

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	.03				.20		.02		.02	.20	.03							T.	.20		.24	.18			.11	1.11	.18	.22				2.74
Brandywine	do									.30									.25			.45					1.05	.20	T.				2.25
Circleville	do	.07			T.	.07				.22	.02		.13							.35		.67	.15				.72		.25				2.65
Harpers Ferry ‖‖	do					.05				.21	.26									.01		.20	.11	T.			1.86		.42				3.12
Kearneysville	do								.57													.35	.18			.46	1.14	.26	T.				2.96
Martinsburg ‖‖	do					.02				.35	.20									.05		.30		.20			1.80		.30				3.22
Moorefield	do									.35												.35				1.25	T.	.40					2.35
Piedmont	do			T.	T.	.14		T.		.24		T.	.06					T.	T.	.08		.28	.14			.47	.84	.31	.02	T.			2.58
Romney‖‖	do									.23										.05		.25					1.52		.45				2.50
Stony River Dam	do	.10				.17				.26			.05									.24	.15				.70		.52				2.19
Upper Tract	do									.10		T.								.10		.20					.75						1.15
Wardensville‖‖	do									.35	T.		T.		T.	T.				.04		.28	.11			2.04	T.	.32					3.14
Northern Division																																	
Aberdeen	Monongahela	T.				.15		.06		.56		T.	.19						.37	.02		.53	.19			.32	.50	.17	.25	T.			3.31
Alma (near)	Ohio					.12		.03		.50		.15							.10	.15		.48	.39			.39	.13	.24	.15				2.83
Alpena	Monongahela	.10		T.		.20				.36		.04	.22					T.	.40	.14		.56	.12			.18	.17	.16	.30	.10			3.05
Benson	do						.20			.55		.15	.20						.27	.08		.50	.22			.50	.46	.20	.25				3.58
Bens Run	do					.20		.06		.35		.11							.12	.32		.48	.51			.53	.15	.38	.12				3.33
Brownsville	do							.10		.47		.05							.50	.05			.20			.33	.45	.22	.22				2.59
Bruceton Mills	do					.10		.20		.42		.26						.10	T.	.33			.67			T.	.63	T.	.07				2.78
Buckhannon	do			T.	T.	.12		.08		.46		.11							.65	.12		.55	.18			.30	.22	.17	10				3.06
Cairo	Little Kanawha					.20		.03		.51		.12						.06	.39	.10		.63	.42			.55	.40	.25	.28				3.94
Cheat Bridge‖‖	Monongahela																																....
Clarksburg‖‖	Little Kanawha	.09				.13		.08		.32	.17		.25						.04	.11	T.	.46	.26	T.			.68	T.	.27	T.			2.86
Crawford‖‖	do					.12		.09		.44	.06	.18							.48	.08		.84	.13			.42	.28	.14	.23				3.49
Creston‖‖	Monongahela	.13				.17		.07		.40	.12		.29						.30	.28	.05	.80	.65				1.34	.05	.84				5.49
Dam 10, Mon. R.‖‖	Ohio	.20				.24		.06		.32	.21		.16						.03	.04	.20	.35	.26	.05			1.00	.03	.11				3.26
Dam 12, O. R.‖‖	do	.05				.07				.12	.14		.03					T.		.27	.03	.09	.35				1.16		.30				2.61
Dam 13, O. R.‖‖	Monongahela	.10				.17				.19	.18		.10					T.		.15	.03	.10	.24	.04			1.25		.40				2.95
Dam 15, Mon. R.‖‖	do	.10			T.	.16		.06		.38	.24		.20					.05	.06	.10	.13	.28	.34	.04			1.03		.22				3.39
Davis ‖‖	do	.03				.31		T.		.15		T.	.23	T					.11	T.	T.	.45	.09	T	T.		.31	.60	.50	T.			2.78
Elizabeth (D'm 3 LK)	Little Kanawha					.16		.03		.45			.15						.31	.36		.61	.59				1.30	.15	.71	T.			4.82
Elkins***	Monongahela			T		.10		.03	.01	.43		.26	.02					.24	.31	.01		.56	.06			.48	.08	.10	.10	T			2.79
Fairmont‖‖	do	.14				.12		.11	T.	.25	.26		.25							.10	.19	.30	.37	.04			1.03		.23				3.39
Glenville ‖‖	Little Kanawha	.12			T	.09		.03		.44	28		.31					.04	.28	.30		.73	.42	.02			1.10	.05	.68				4.89
Grafton ‖‖	Monongahela							T.		.80		.12							.40	.07		.45	.43			.40	.40	.40	T.	T.			3.47
Horner	do											.20					.15	.25	.17	10		.75	.15			.30	.05	.25					2.37
Horton	do																																....
Janelew (near)	do							.10		.52									.15			.55	.20			.35	.48	.20					2.55
Lost Creek	do	T.				.17		.06		.71		.10	.09						.25	.05		.53	.19			.76	.39	.18	.21				3.69
Mannington	do				T.	.14		.14		.54	T.	.14	.06					.01	.12	.30		.32	.36	T.		.68	.50	.15	.06				3.52
Morgantown	do	.21				.30		.10		.43	T.	.11	T				T.	T	.10	.22		.35	.28			.35	.42	.50	T.	T.			3.37
New Cumberland‖‖	Ohio	.02				.17				.04	.04	.02	.04							.38	.02	.07	.68	.04		.02	.71	.02	.35				2.62
New Martinsville	do				.31					.48		.09							.14	.10		.36	.40			.62	.18	.22					2.90
Parkersburg***	do				.01	.07		.06		.40		.06	T				T.	.06	20	.18		.57	.16			.76		.40	.03	T.	T.		2.96
Parsons	Monongahela									.40								.25	T.	.30	.40	.60				T.	.25	.10	T.				2.30
Parsons No. 2	do																																....
Philippi	do							*		*			.23						.21	.21		.42	.22				.68	.02	.27				2.26
Pickens	do			.37						.60		30	.10					.18	.70	.08		1.54	.26			.45		.40	.40				5.38
Roanoke	do	T.				.01	.02			.52									.55	.05		.72	.27			.47	.47	.18	.20				3.46
Rowlesburg‖‖	do	.24				20		.03	.07	.17	.09		.27						.09	.05		.32	.49				.55	.04	.18				2.79
Saint Marys‖‖	Ohio	.19				.13		.05		.38	.06		.16					T.	.01	.25	.06	.45	.38	.05			1.20	.02	.45				3.84
Terra Alta	Monongahela	.16			T	.51		.04	.05	.10	.12		.65	T.					.03	.09	T.	.45	.32	T			.50		.09	T.	T.		3.11
Thomas ‖‖	do	.20				.27		.03		.13	.12		.47						.15	.15		.34	.25				.75		.35	.02			3.23
Valley Chapel	do	.02						.12		.56		.04	.19					T.	.39	.06		.54	.02			.55	.82	.52	.25				4.08
Vandalia	do									.48			.25						.48	.06		.74	.10			.36	.27	.16	.23				3.13
Wellsburg	Ohio					.30				.18		T.								.33		.10	.96			.45	.47	.25	.09				3.13
West Milford	Monongahela							.28		.58		.10	.45						.22	.10		.48	.22			.60	.60	.15	.15				3.93
Weston	do	.32			.01	.18		.10		.35	.23	.02	.21					.16	.28	.24	.08	.51	.26	.06			.91	.05	.48				4.45
Wheeling‖‖	Ohio	.11				.09				.16	.13		.03					T.		.20	.03	.09	.42	T.			1.17	T.	.28	T.			2.71
Woodlands‖‖	do	.13			.02	.11		.03		.28	.17		.15					.01		.19	.13	.20	.15	.16			1.00	.01	.35				3.09
Southern Division																																	
Arbovale	Great Kanawha	T.				.03				.43		.01	.06						.25	.02		1.50				.49	.10	.30	T.				3.19
Bancroft ‖‖	do					.10		.05		.42			.18					T.	.36	.14		1.17	1.43				.85	.30	.72			.06	5.78
Beckley	do			.09		.07				.82	.03	.04						.19	.37			.92	.48	.06		.66	.13	.36	.30		.17		4.69
Bluefield	do		.05			.03		.02		.92	.06	.06	.12	.05					.15	.03		.10		.25		71	.19	.32	.10				3.16
Charleston ‖‖	do	.28	.18			.15		.03	.23	.51	.06		.08			.20		.01	.30	.12	.12	1.19	.80				.80	.11	.73	.51			6.41
Clay‖‖	do		.18							.43	.27	.02	.23				.01		.22	.10	.10	1.70	.94				.64	.02	.89	T.			5.75
Dam 6 G. K ‖‖	do	.11								.50	.14		08						.30			1.34	.80				.81	.10	.73				4.91
Dam 19 O. R. ‖‖	Ohio	.16			T.	.06		.02		.35	.05		06	.16					.10	.23	.18	.50	.28	T.			.68	.02	.41			T.	3.26
Dam 20 O. R. ‖‖	do	.15				.25		.04		.32	.06		.06					T.	.23	.20	.06	.60	.48				.72	.04	.04	.56			3.81
Dam 25 O. R. ‖‖	do	.02			.14	.14		.03										.01	.30	.10		.46	.40				.51	.07	.67				2.85
Dam 26 O. R. ‖‖	do	.24				.10		.05		.40	.03		.10						.30	.19	.08	1.72	1.84				.59	.05	.65				6.34
Durbin	Great Kanawha										.40	.25										1.50	.25	.08			.60		.65	.15			3.88
Gary ‖‖	Big Sandy				.13	.12	.05			1.04	.16		.10						.12			.11	.31		.02	.65		.12	.52			.04	3.49
Hinton‖‖	do	.05				T.		.01		.64	.10		.06					.01	.05	.32		.21	.65	T.		.01	.89	.04	.56	.01			3.61
Huntington	Ohio					.05				.47		.12						.15	.42	.17		1.73	.44			.60	.01	.43	.13	T.			4.72
Kanawha Falls‖‖	Great Kanawha	.23	.20						.22	.45	.20		.15			.21			.54	.12	.15	1.60	.18				.68	.10	.73	.50			6.26
Kayford‖‖	do	.18			T.	.15				.43	.30		.19					T	.22	.10		1.03					.58	.10	.74			T	4.02
Kermit‖‖	Big Sandy				.02	.06		.04		.07	.12		.03						.32	.35	.05	1.50	.55				.75	.55	.35				4.76
Kingston	Great Kanawha									.76			.30					.20				1.40	.28			.62	.12	.75		.20			4.63
Lewisburg	do									T.		T							.51			1.98				.92			.10				3.52
Logan‖‖	Guyandotte	.20				.09		.04		.72	.08		15						.38	.23		1.30	.65				.60	.22	.53				5.19
Madison	Great Kanawha				.12		T.		.62	.10		.06						.39	.11	.19	1.73	.66	T			.63	.23	.54	.02		T.	T.	5.40
Marlinton	do	T.				.12		.22		.26		.32							.22	.08		.31	.86			.63	.11	.14		.52			3.79
Point Pleasant‖‖	Ohio	.26				.12		.02		.36	T.		.12						.36	.22	.04	.88	.96	.02			.58	.16	.58				4.68
Rainelle	Meadow Creek	.03						.12		.75		.02						.30	.38	.05		1.12	.30			.78	.25	.75	.38	T.			5.23
Ravenswood (Dam 22	Ohio‖‖	.19				.16		.02		.29	.09	T						T.	.37	.23	T.	.73	.76	.03			.97	.05	.69				4.58
Richwood	Great Kanawha				.01					.70	.10	.03	.21					.03	.37	.12		1.75	.30	.02		.88	.22	.42	.82				5.98
Robertsburg‖‖	do					.10		.03		.48	.03	T.	.09						.31	.16	.07	1.55	1.60				.70	.25	.58				5.95
Ryan	do					.10				.53		.06						.09	.30			2.22	.39			1.00	.10	.72	.32	.10			5.93
Sharples‖‖	Coal River										.21							.43			.22	1.60							.90			.32	3.68
Spencer ‖‖	Great Kanawha	T.			.08	.06				.40	.09		.15					T.	.40	.19	T.	.89	.85				1.20	.14	.94				5.39
Sutton	Gauley									.65			.30													.40	.25	.35	.55				2.50
Union	do	T								65		T.						T.	.38	.08		.70		.18		.48	T.	.25			T.		2.72
Wayne‖‖	Big Sandy				.12	.10		.02		.54	.03		.30						.36	.25	.12	1.44	.65				.70	.36	.35				5.34
White Sulpr. Spgs.‖‖	Great Kanawha								.65			.10					.05		.25		.50	.30	.10			.65	.10	.40					3.10
Williamson‖‖	Big Sandy	.18				.11		.03		.85	.13		.03					T.	.28	.50		.35	.65			.02	.77	.47	.67			.01	5.05

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	35	46	47	53	51	50	52	46	42	53	55	50	32	43	44	51	48	52	59	60	55	68	68	51	50	38	37	32	25	38	45	47.6
	Minimum	5	12	14	46	31	23	35	23	31	20	27	17	10	12	11	17	30	42	35	31	30	48	43	23	29	32	23	23	18	15	28	25.3
Brandywine	Maximum	30	51	60	61	54	55	63	60	57	56	60	52	35	44	50	58	60	56	67	66	32	70	66	62	58	50	50	32	32	48	54	54.2
	Minimum	10	17	21	24	20	19	30	21	35	21	35	27	18	21	20	18	36	39	38	40	29	45	50	25	30	31	30	30	25	15	22	27.2
Kearneysville	Maximum	40	50	43	60	47	55	62	47	46	49	59	52	31	32	38	53	60	57	69	64	56	51	64	53	44	49	46	38	35	44	51	49.8
	Minimum	15	23	21	29	40	27	38	34	33	28	35	28	22	25	24	20	38	37	42	41	35	42	42	34	32	39	31	29	29	23	29	31.1
Martinsburg*	Maximum	44	44	41	60	51	53	65	50	41	50	62	40	53	53	35	55	61	50	70	58	63	65	61	55	43	50	40	40	36	45	..	51.1
	Minimum	16	17	24	26	31	24	35	35	35	29	30	30	22	22	24	22	23	39	39	44	36	40	40	35	31	35	35	32	29	25	25	30.0
Moorfield	Maximum	39	60	57	67	60	60	64	55	48	57	64	61	40	42	52	59	62	61	69	67	55	66	67	65	50	49	48	37	31	44	64	55.6
	Minimum	11	15	19	39	29	32	32	27	36	22	39	38	18	27	17	18	32	34	40	38	29	41	51	28	35	32	32	30	27	17	27	29.4
Piedmont	Maximum	30	46	50	58	54	54	56	46	42	46	54	48	31	34	44	53	52	57	63	62	41	65	66	49	58	43	40	33	30	41	48	48.2
	Minimum	24	15	22	34	32	23	31	30	34	28	27	25	16	24	21	24	25	29	30	35	34	42	45	30	30	33	31	30	25	26	30	28.5
Romney*	Maximum	50	35	50	50	63	50	59	61	54	41	50	63	47	36	38	52	58	58	55	69	56	68	67	62	55	41	46	41	40	34	40	51.3
	Minimum	14	13	19	23	31	21	21	30	30	25	28	27	17	18	24	19	20	40	40	41	31	35	42	28	31	34	34	29	26	23	24	27.0
Upper Tract	Maximum	..	..	58	58	55	48	..	40	40	54	57	..	33	45	47	55	56	60	65	62	52	52	..	35	34	48	44	30	33	43	52	48.3
	Minimum	..	..	25	33	41	40	..	26	25	23	22	..	16	23	20	20	38	39	41	40	29	28	..	26	26	31	28	29	29	22	25	28.7
Wardensville	Maximum	40	59	53	61	52	58	..	..	..	..	..	..	38	38	52	62	62	54	79	61	50	72	64	54	55	41	36	35	47	52	..	53.2
	Minimum	13	13	18	22	31	18	24	27	26	24	34	28	19	20	23	18	23	34	33	40	28	35	41	26	28	33	29	26	18	24	26	25.9
Northern Division																																	
Alpena	Maximum	37	41	48	50	50	50	50	43	39	48	51	49	30	40	42	49	46	47	58	55	54	61	61	52	45	37	37	30	23	35	45	45.3
	Minimum	4	17	20	42	32	21	35	22	27	16	33	16	13	17	16	14	37	42	43	31	27	50	43	24	32	30	25	21	17	10	23	25.8
Bens Run	Maximum	35	45	52	55	54	52	56	46	42	50	53	49	43	47	47	54	53	53	64	58	58	69	67	53	49	46	44	42	32	36	50	50.1
	Minimum	15	22	25	32	32	26	39	28	35	30	41	22	17	23	23	25	45	39	45	33	35	49	49	30	38	40	36	30	25	24	34	31.8
Buckhannon	Maximum	30	43	35	56	54	53	55	50	66	54	56	48	42	44	44	53	51	52	63	63	57	69	65	55	52	42	40	39	31	37	47	49.9
	Minimum	15	19	24	35	38	25	35	27	43	27	34	36	18	20	21	23	40	47	50	34	34	55	48	30	35	33	30	29	24	22	30	31.6
Cairo	Maximum	35	47	52	57	56	56	58	60	51	56	54	50	48	50	56	57	55	54	67	65	55	72	71	59	57	44	44	41	42	41	53	53.6
	Minimum	12	15	22	28	29	19	31	28	23	36	30	21	11	17	19	17	39	40	46	25	30	53	40	27	32	40	33	30	25	19	35	28.1
Clarksburg*	Maximum	34	47	51	57	50	55	57	49	40	54	55	51	45	49	48	55	54	63	64	59	62	71	62	54	52	44	43	35	28	38	52	50.9
	Minimum	13	16	21	26	32	20	28	23	24	28	28	22	14	17	17	18	20	40	41	29	29	43	47	29	29	35	32	32	24	22	22	26.5
Creston	Maximum	32	46	51	56	48	55	58	46	42	55	52	48	45	48	46	54	53	51	68	60	59	71	68	59	51	46	43	39	30	38	52	50.6
	Minimum	14	16	23	29	34	21	32	23	35	25	29	22	12	19	18	19	41	47	43	26	30	54	37	28	33	38	36	27	26	24	31	28.8
Elkins	Maximum	37	49	51	55	54	55	55	46	41	56	57	38	39	45	47	54	51	52	62	48	60	69	59	58	45	38	41	32	23	38	49	48.5
	Minimum	11	16	20	27	26	23	34	26	28	24	38	20	15	19	20	19	45	46	47	31	32	55	36	31	32	30	28	23	20	18	29	28.7
Fairmont*	Maximum	35	49	49	55	49	56	57	50	40	50	52	48	47	50	51	56	53	59	65	57	60	74	57	57	50	41	42	35	27	39	51	50.4
	Minimum	14	14	24	28	32	25	27	27	29	31	30	24	17	17	24	25	26	40	40	35	33	40	48	28	29	34	31	32	24	23	25	28.3
Glenville	Maximum	35	48	53	58	58	57	59	50	48	60	56	51	50	51	49	58	55	55	67	65	59	73	72	62	52	50	43	40	30	42	55	53.6
	Minimum	15	17	24	31	36	22	33	24	38	25	34	23	15	19	20	20	40	45	50	42	31	57	41	30	30	41	34	29	26	24	31	30.5
Grafton	Maximum	30	46	50	55	56	55	54	44	40	55	55	46	45	48	48	55	52	51	64	61	56	72	69	58	51	40	40	32	29	37	52	49.9
	Minimum	12	15	22	20	33	20	32	25	35	27	45	22	15	20	20	21	38	39	49	31	30	54	47	30	34	32	29	26	23	23	21	28.7
Lost Creek	Maximum	34	47	50	55	53	56	53	49	44	55	55	48	48	49	49	53	52	50	66	59	58	70	69	57	50	42	42	38	29	38	53	50.7
	Minimum	11	14	18	36	28	20	49	20	32	24	33	19	10	15	15	16	40	40	46	26	28	55	41	24	30	32	28	28	22	19	28	27.3
Mannington	Maximum	30	44	49	55	55	51	55	45	41	49	53	48	42	45	45	52	52	52	64	60	54	70	68	52	51	43	43	38	30	37	49	49.1
	Minimum	13	17	21	32	29	21	32	26	33	28	30	22	13	22	18	19	37	38	47	29	29	51	46	25	33	37	31	30	25	22	30	28.6
Morgautown	Maximum	30	44	49	54	54	52	55	43	44	50	64	48	39	49	47	51	53	51	64	58	54	67	64	46	50	41	42	42	29	33	49	48.9
	Minimum	12	24	27	47	32	29	35	29	32	29	47	20	16	16	23	40	33	41	36	36	37	37	38	26	34	32	34	28	23	20	30	30.4
New Cumberland*	Maximum	30	42	48	53	48	54	35	42	40	54	53	52	43	46	47	54	53	59	64	56	59	70	59	50	49	41	42	37	28	35	..	48.1
	Minimum	14	14	23	27	32	28	29	23	31	31	31	23	15	15	22	23	29	32	32	30	30	37	44	27	27	37	36	30	26	17	20	26.9
New Martinsville	Maximum	44	44	51	55	57	53	58	47	47	52	57	50	48	51	51	59	55	53	65	62	51	71	68	57	54	45	48	42	32	40	54	52.5
	Minimum	13	21	22	37	30	24	43	27	35	32	39	22	15	21	22	26	47	38	44	30	33	49	48	31	34	39	33	30	25	24	33	31.2
Parkersburg	Maximum	33	45	51	55	54	55	56	46	45	53	55	31	44	49	49	57	55	56	64	52	60	71	60	55	50	46	43	36	29	37	51	49.8
	Miuimum	18	25	29	49	32	30	55	29	35	30	31	20	18	28	25	31	49	40	50	36	38	60	40	28	41	40	36	26	25	24	35	33.3
Pickens	Maximum	50	43	47	50	50	47	50	45	43	53	52	46	39	43	46	52	47	50	58	52	56	64	61	59	45	37	38	33	25	37	48	47.3
	Minimum	1	19	27	40	27	32	30	24	27	21	39	17	17	23	19	23	40	41	48	27	29	51	30	25	28	18	27	20	17	5	24	26.3
Terra Alta	Maximum	40	34	41	49	51	42	52	49	39	34	49	51	23	29	42	43	48	45	58	59	46	60	66	51	50	38	36	36	25	19	33	43 2
	Minimum	3	6	16	34	31	26	30	25	25	22	23	16	15	15	17	20	19	19	41	30	30	42	41	24	23	30	29	23	18	15	15	23.2
Wellsburg	Maximum	29	43	49	53	52	51	54	42	40	49	53	49	42	47	48	54	53	53	64	60	54	69	67	51	50	42	42	42	31	35	50	49.0
	Minimum	13	16	18	28	28	22	34	26	31	30	29	21	11	20	16	21	47	32	36	30	29	50	45	27	29	36	33	30	26	27	30	28.1
Weston	Maximum	35	46	50	55	48	55	54	56	55	55	56	55	48	49	50	52	56	58	65	55	66	70	69	60	59	56	45	44	39	38	53	53.3
	Minimum	18	15	25	35	38	35	34	25	34	28	35	21	18	20	21	25	38	48	49	31	40	54	49	30	38	35	30	31	28	34	30	32.0
Wheeling*	Maximum	35	51	50	54	49	55	55	44	42	54	54	51	56	50	50	58	54	61	69	58	64	63	65	54	54	45	44	34	30	40	..	51.3
	Minimum	10	15	15	20	25	20	32	24	30	26	29	16	10	18	15	21	35	30	34	25	29	40	43	25	28	34	30	25	20	12	24	24.5
Southern Division																																	
Beckley	Maximum	52	48	49	52	50	55	56	51	47	57	52	49	41	44	47	53	49	52	62	58	58	64	61	59	57	45	40	33	27	40	49	50.2
	Minimum	10	16	31	32	36	24	34	23	32	22	35	27	20	21	18	21	41	44	48	32	32	33	41	30	33	35	31	21	18	19	29	28.7
Bluefield	Maximum	..	51	58	56	51	58	56	..	55	60	56	50	37	47	..	56	52	55	62	60	60	..	65	58	54	47	46	33	..	40	52	52.9
	Minimum	..	13	29	41	42	31	38	..	31	27	38	23	23	22	..	25	42	45	50	38	41	..	45	34	35	36	33	18		20	34	32.8
Charleston*	Maximum	..	50	56	60	49	63	..	60	49	62	65	54	50	..	53	60	59	66	70	58	..	73	64	60	58	52	49	..	39	45	55	56.9
	Minimum	.	..	24	35	38	28	29	..	30	30	30	27	21	21	..	26	28	49	49	36	35	..	47	36	36	44	36	32	..	29	31	33.1
Gary*	Maximum	45	51	55	55	49	61	59	55	45	64	59	37	43	51	53	58	54	67	62	61	63	68	65	46	48	51	43	42	32	43	53	52.8
	Minimum	16	18	18	31	31	29	29	29	31	26	26	29	22	24	24	23	23	46	31	30	31	54	43	34	43	43	33	30	27	25	26	29.8
Hinton*	Maximum	39	49	50	57	52	56	60	47	43	59	50	33	44	50	55	55	56	52	69	63	52	69	67	63	47	48	44	52	34	41	57	52.0
	Minimum	18	13	19	30	31	27	27	30	30	26	26	27	21	21	25	24	23	45	40	33	33	39	41	35	36	43	33	34	26	28	24	29.3
Huntington	Maximum	40	50	56	60	59	60	59	51	48	61	55	49	48	55	54	58	56	58	68	58	58	74	66	66	54	54	49	49	39	41	55	55.0
	Minimum	18	23	28	35	39	26	43	27	39	26	39	22	19	25	23	26	43	46	52	32	38	49	43	34	43	45	37	30	29	31	33	33.6
Lewisburg	Maximum	40	46	50	55	52	51	57	51	49	52	51	49	35	45	51	50	54	52	62	65	55	64	62	58	55	43	45	35	27	35	47	49.8
	Minimum	11	13	22	26	38	18	31	25	35	22	28	27	19	25	18	18	27	29	35	30	39	40	42	27	35	36	28	19	21	12	23	26.4
Madison	Maximum	32	46	55	59	48	57	59	49	43	54	60	32	45	47	49	55	53	63	68	55	65	72	64	59	52	50	42	32	32	42	49	51.2
	Minimum	17	27	33	36	25	25	26	27	26	27	24	18	18	21	22	30	45	49	30	30	49	40	34	34	42	32	30	28	30	31	35	30.4
Marlinton	Maximum	30	40	44	50	50	48	52	40	38	40	44	42	34	38	42	46	50	46	58	54	52	62	58	54	40	40	32	38	42	46	52	45.2
	Minimum	8	6	18	24	28	12	24	20	30	26	20	20	10	18	14	12	32	42	44	28	24	48	34	34	28	28	24	22	8	10	12	22.8
Point Pleasant	Maximum	34	48	60	58	55	58	58	50	45	56	54	48	46	55	55	58	56	50	68	63	58	72	70	65	55	50	50	45	32	40	54	53.7
	Minimum	13	20	25	34	30	23	40	23	36	23	36	19	15	20	20	23	46	41	45	28	34	50	55	32	40	41	35	28	26	27	32	31.0
Rainelle	Maximum	33	50	48	49	59	62	63	46	42	51	50	49	34	44	47	52	51	48	69	69	58	65	62	58	52	41	40	35	23	39	43	49.4
	Minimum	9	10	21	26	30	16	27	23	30	21	22	20	20	23	14	15	36	43	36	26	26	51	33	27	32	32	31	21	19	17	26	25.3
Ravenswood	Maximum	35	42	50	55	55	54	52	51	46	53	55	49	46	47	50	54	53	53	67	65	58	71	69	58	52	48	48	41	37	50	50	52.1
	Minimum	16	22	26	37	31	25	46	24	37	27	41	20	15	24	22	26	48	40	48	27	34	51	40	34	41	41	36	28	26	30	27	31.9
Richwood	Maximum	44	46	51	52	53	56	60	62	57	58	52	52	39	44	47	53	51	52	62	59	58	66	62	63	55	42	42	34	26	39	49	51.2
	Minimum	4	9	26	31	31	32	38	36	32	28	24	20	21	27	19	21	38	42	47	28	29	40	32	30	33	33	32	22	23	26	28	28.5
Robertsburg*	Maximum	30	38	56	61	52	63	71	52	40	61	50	50	52	53	52	60	57	60	75	56	60	69	59	60	54	51	46	39	33	41	55	53.4
	Minimum	15	16	21	32	34	21	32	23	26	22	28	20	14	18	19	23	24	42	42	27	31	45	38	29	29	41	33	28	26	26	31	27.6
Ryan	Maximum	35	50	47	60	60	60	65	60	55	65	55	45	48	50	55	58	55	55	68	58	58	72	70	60	45	47	41	35	27	37	50	53.1
	Miuimum	13	14	21	26	30	28	31	31	34	34	25	19	11	16	16	17	38	41	40	24	27	49	35	25	35	37	30	24	23	24	29	27.3
Spencer*	Maximum	37	47	52	57	52	59	59	48	48	59	54	32	48	50	41	59	54	62	66	55	65	73	62	60	51	50	42	52	29	40	53	52.1
	Minimum	16	18	25	34	38	28	24	24	38	26	25	22	15	22	21	23	40	45	48	29	36	38	43	29	50	40	35	31	26	27	25	30.4
Sutton	Maximum	36	46	52	57	57	57	57	55	48	61	65	65	48	49	50	53	54	54	67	67	60	72	72	60	57	45	45	37	30	40	55	53.9
	Minimum	16	16	24	35	39	21	32	44	36	25	30	22	15	17	20	20	41	47	47	29	31	52	43	31	37	35	32	28	25	23	30	30.4
Union	Maximum	43	..	50	52	53	51	57	..	55	52	56	56	34	43	..	50	55	55	62	62	57	..	64	60	58	44	44	35	..	37	54	51.5
	Minimum	10	..	22	27	41	19	30	..	24	22	36	23	19	22	..	16	34	45	37	35	29	..	44	28	34	34	29	23	..	16	25	27.8
White Sulphur Spgs.	Maximum	36	44	48	56	44	52	55	47	42	56	51	34	35	42	46	52	53	52	52	54	50	62	60	50	42	45	39	33	28	46	50	47.1
	Minimum	9	15	25	36	15	22	23	27	21	24	23	19	23	19	15	22	45	40	35	33	37	40	24	33	36	30	29	20	13	20	32	26.0
Williamson*	Maximum	36	45	50	58	50	57	58	56	46	58	57	34	45	48	50	56	52	56	68	57	69	71	64	63	51	53	48	36	34	43	52	52.3
	Minimum	21	22	24	34	36	32	32	31	31	29	29	27	22	22	25	26	26	46	45	33	33	48	43	38	38	46	35	33	31	31	31	32.3

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

Vol. XLI   Parkersburg, W. Va., February, 1933   No. 2

GENERAL SUMMARY

The month was warm and slightly drier than usual with the temperature extremes well within previous records. This is the fourth consecutive warm February, and the third consecutive warm month. The greatest excess in temperature occurred over the Ohio River counties and in the eastern sections, while in scattered localities of the southern section there was a deficiency. The percentage of sunshine was unusually large, being nearly twice the normal amount. A cold wave covered the State from the 5th to the 12th, with readings of zero or below at practically all stations on the 6th, 9th, and 12th. The precipitation averaged near normal and was well distributed throughout the month. While the snowfall was heavy in scattered localities of the mountain districts, there were a number of stations having small amounts, ranging from one to three inches, making the average for the State somewhat below the normal. Navigation was interrupted or suspended from the 10th to the 16th, on account of moderately heavy ice. High winds prevailed generally on the 18th, 21st, 26th, and 27th, with practically no damage. During the cold weather wheat was protected by snow cover and at the close of the month was mostly in good condition. Pastures were turning green in many localities. Plowing progressed slowly.

TEMPERATURE

The monthly mean for the State, determined from 56 stations, was 34.5°, or 1.1° above the February normal. Warm weather for the season prevailed from the 17th to the 26th, with the highest temperature, 65 to 77 degrees, occurring generally on the 24th. Cold weather occurred from the 4th to the 6th, 8th to the 13th, and during the last few days of the month. The highest monthly mean temperature was 39.4° at Charleston, and the lowest was 28.1° at Terra Alta. The highest temperature was 77° at Robertsburg on the 25th, and the lowest was 12° below zero at Benson on the 12th, making the monthly range for the State 89 . The greatest daily range was 56° at Marlinton on the 8th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 3.13 inches, which was 0.04 inch less than the normal. The precipitation was the heaviest over the mountain sections, and lightest in the eastern counties. Moderate to heavy precipitation fell generally on the 7-8th, 14-15th, 20th, and 25th, with the greatest amounts on the 20th. Light to moderate snow fell generally on the 4-5th, 8th, and 11th. The greatest monthly precipitation was 7.87 inches at Pickens, and the least was 0.96 inch at Romney. The greatest amount in any 24 consecutive hours was 1.59 inches at Lewisburg on the 20th. The greatest monthly snowfall was 22.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, Bens Run, Creston, Pickens, and Richwood, 14th; Hinton, 18th; Madison, 17th and 18th; Terra Alta, 13th, 14th, 17th, and 24th.

Sleet: Parkersburg, 7th; Crawford, 9th; Terra Alta, 15th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p m.	
Cincinnati, Ohio	30.12	30.73	10	29.34	7	9.7	30	sw.	22	81	58	60	68
Columbus, Ohio	30.09	30.70	10	29.37	7	14.0	46	w.	21	77	60	61	59
Elkins	30.13	30.77	10	29.58	7	8.6	32	w.	26	82	65	57	50
Lexington, Ky	30.16	30.79	9	29.41	7	11.5	35	s.	7	84	67	....	58
Parkersburg	30.14	30.77	10	29.46	7	8.1	34	nw.	21	76	56	58	56
Pittsburgh, Pa	30.08	30.74	10	29.44	7	13.3	43	nw.	26	74	59	57	55
Wytheville, Va	30.12	30.74	10	29.58	8	8.1	28	nw.	26	79	61	64	45

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	38.1	+ 4.7	.....	.....	5.39	+2.22	.....	.....	.....	....	....	....	....
1892	37.1	+ 3.7	72	−12	2.30	−0.87	.....	.....	.....	9	....	....	....
1893	35.0	+ 1.6	71	− 6	4.81	+1.64	6.70	1.65	.....	12	....	....	....
1894	33.4	0	74	− 5	3.99	+0.82	7.48	2.05	.....	10	9	7	12
1895	**22.8**	−10.6	79	−17	1.27	−1.90	2.44	0.61	.....	7	10	9	9
1896	33.4	0	62	− 5	3.31	+0.14	6.23	1.50	.....	17	7	8	14
1897	36.8	+ 3.4	70	3	5.95	+2.78	8.18	3.00	.....	11	7	7	14
1898	32.7	− 0.7	74	−13	1.81	−1.36	3.38	0.64	.....	9	10	8	10
1899	26.1	− 7.3	69	**−35**	4.32	+1.15	6.43	2.25	19.0	14	7	5	16
1900	30.7	− 2.7	83	−11	3.94	+0.77	5.62	2.31	10.1	12	5	10	13
1901	27.1	− 6.3	62	− 6	**0.86**	−2.31	1.66	**0.10**	4.1	7	8	8	12
1902	26.7	− 6.7	68	−14	3.20	+0.03	5.65	1.33	8.1	10	6	7	15
1903	35.3	+ 1.9	74	−19	**5.99**	+2.82	**9.59**	2.58	9.0	11	10	6	12
1904	29.3	− 4.1	80	−13	2.37	−0.80	4.55	0.52	8.1	10	8	9	12
1905	25.6	− 7.8	56	−22	2.34	−0.83	4.65	0.80	8.1	11	8	6	14
1906	32.4	− 1.0	79	−11	1.60	−1.57	3.34	0.46	8.1	7	15	6	7
1907	31.1	− 2.3	76	−15	2.55	−0.62	4.83	0.67	5.6	14	6	7	18
1908	30.9	− 2.5	72	−10	3.72	+0.55	6.26	1.77	15.8	12	7	8	14
1909	40.4	+ 7.0	80	− 5	4.16	+0.99	7.68	1.44	3.4	13	7	8	13
1910	31.5	− 1.9	72	−11	3.18	+0.01	6.56	0.98	13.5	8	9	8	11
1911	38.7	+ 5.3	76	− 6	2.03	−1.14	3.92	0.40	4.8	7	8	8	12
1912	27.3	− 6.1	70	−17	2.45	−0.72	5.08	0.72	6.4	7	10	8	11
1913	32.6	− 0.8	80	− 4	2.27	−0.90	6.15	0.21	4.7	7	13	6	9
1914	28.4	− 5.0	70	−22	3.64	+0.47	6.96	1.63	19.7	10	9	7	12
1915	38.4	+ 5.0	72	− 2	3.07	−0.10	6.33	0.90	3.6	10	10	5	13
1916	31.4	− 2.0	72	−12	4.30	+1.13	9.19	1.79	13.2	11	8	6	15
1917	31.0	− 2.4	80	−14	3.29	+0.12	7.73	1.26	10.1	9	9	7	12
1918	35.4	+ 2.0	81	−19	3.12	−0.05	6.60	0.45	3.8	9	11	6	11
1919	35.2	+ 1.8	72	− 2	1.85	−1.32	3.93	0.35	3.5	9	11	5	12
1920	31.3	− 2.1	69	− 4	2.71	−0.46	5.49	1.49	9.3	12	7	5	17
1921	37.4	+ 4.0	79	−10	2.61	−0.56	4.90	1.10	10.8	9	8	5	15
1922	38.2	+ 4.8	77	−14	2.89	−0.28	5.57	0.94	6.3	11	8	7	13
1923	30.4	− 3.0	70	−20	3.68	+0.51	7.38	0.75	7.8	12	7	5	16
1924	31.6	− 1.8	74	−16	3.21	+0.04	8.18	0.84	12.2	11	8	6	15
1925	39.8	+ 6.4	80	− 5	2.49	−0.68	4.32	0.35	2.0	8	10	6	12
1926	34.9	+ 1.5	72	− 3	4.01	+0.84	8.88	1.20	18.1	13	6	5	17
1927	40.9	+ 7.5	79	6	4.49	+1.32	8.64	2.40	11.0	15	7	6	15
1928	34.6	+ 1.2	72	− 3	2.50	−0.67	6.06	0.40	6.4	11	8	6	15
1929	30.0	− 3.4	70	−15	2.98	−0.19	5.24	1.43	14.6	9	9	6	13
1930	39.8	+ 6.4	81	−21	2.62	−0.55	5.21	0.95	3.9	10	11	5	12
1931	35.8	+ 2.4	68	5	2.57	−0.60	4.68	1.08	1.6	9	10	5	13
1932	**41.6**	+ 8.2	**86**	7	3.22	+0.05	7.35	0.79	0.2	9	11	8	10
1933	34.5	+ 1.1	77	−12	3.13	−0.04	7.87	0.96	5.8	11	12	5	11
Period	33.4	......	86	−35	3.17	....	9.59	0.10	8.4	10	9	6	13

Climatological Data for February, 1933

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation, in inches Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Number of days Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	OBSERVERS
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	31.5	+2.4	60	21†	−7	9	37	3.07	−0.87	1.06	7.0	11	12	3	13	w.	Lewis T. Clark
Braudywine	Pendleton	1,586	17	35.7	+3.8	67	24	3	9	37	1.40	−0.39	0.45	3.0	7	16	2	10	s.	Elmer Keister
Circleville	Pendleton	...	1	...	...	...	...	...	...	...	2.48	...	0.71	4.7	11	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	...	...	...	...	...	...	...	1.38	−1.03	0.56	5.0	7	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	3	34.8	...	66	24	3	12	29	1.82	...	0.75	4.5	7	16	5	7	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}35.4	+4.2	68^{a}	24	6	13	38	1.98	−0.53	0.65	4.0	8	21	4	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	37	37.8	+3.8	70	24	4	9	52	1.19	−1.09	0.55	2.5	4	23	0	5	...	M. S. Henkel
Piedmont	Mineral	1,053	20	32.8	−0.6	64	24	0	9	33	1.54	−0.94	0.53	...	10	13	8	7	se.	C. A. Suter, Jr.
Romney	Hampshire	824	35	33.4	+0.2	67	25	4	9†	50	0.96	−1.23	0.41	...	3	15	2	11	...	George E. Bergdoll
Stony River Dam	Grant	3,300	13	...	...	...	...	...	...	...	2.61	−0.22	0.80	8.0	9	7	3	18	w.	A. C. Becker
Upper Tract^{a}	Pendleton	1,230	34	35.9	+2.8	61	24	0	9	38	...	...	...	...	...	...	...	...	...	J. M. Mallow
Wardensville	Hardy	1,200	12	35.4	...	68	21†	0	9†	51	1.13	−0.58	0.55	2.0	4	8	10	10	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	...	...	...	...	...	...	...	3.14	...	0.71	5.8	11	7	13	8	w.	L. Else Bond
Alma (near)	Tyler	800	6	...	...	...	...	...	...	...	2.37	...	0.46	6.0	12	14	1	13	...	D. N. Furbee
Alpena	Randolph	2,571	3	30.6	...	59	24†	−8	9	40	4.75	...	0.84	16.0	14	8	8	12	...	Christian Hertig
Beuson	Harrison	1,080	9	33.8	...	63	24	−12	12	44	3.11	...	0.58	5.0	12	12	10	6	...	John A. Clark
Beus Run	Pleasants	652	31	35.8	+3.5	67	23	0	9	42	2.47	−0.71	0.50	6.5	10	16	4	8	...	J. D. Riggs
Browusville	Lewis	1,032	10	35.8	...	65	22†	−3	12	39	2.94	...	0.65	2.0	12	13	7	8	...	George M Meyers
Bruceton Mills	Preston	1,549	16	...	...	...	...	...	...	...	2.96	−0.80	0.94	6.0	10	10	9	9	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	33.6	+0.8	62	20†	−2	9	37	3.46	−0.46	0.84	5.0	8	11	8	9	...	H. A. Darnall
Cairo	Ritchie	680	32	38.0	+4.5	65	22†	−8	12	45	3.49	+0.22	0.58	14.3	11	12	4	12	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	32.3	−1.6	64	22†	−5	12	45	2.36	−0.87	0.56	3.3	12	14	7	7	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	...	...	...	...	...	...	...	2.88	...	0.59	6.0	14	9	13	6	nw.	George W. Blair
Creston	Wirt	640	31	34.3	0	66	24	−7	9	42	3.33	+0.21	0.73	8.0	11	11	3	14	...	P. M. Basuett
Dam 10 Mon. R.	Marion	826	12	...	...	...	...	...	...	...	2.06	−0.81	0.44	6.5	12	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	17	...	...	...	...	...	...	...	1.67	−0.76	0.28	...	14	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	17	...	...	...	...	...	...	...	1.88	−0.57	0.32	...	12	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	12	...	...	...	...	...	...	...	2.06	−0.92	0.47	4.0	12	...	...	...	...	Lockmaster
Davis	Tucker	3,093	24	...	...	...	...	...	...	...	5.32	+1.06	1.11	17.5	16	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	21	...	...	...	...	...	...	...	2.98	+0.11	0.71	6.2	14	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	32	32.8	+1.2	60	24	−4	9	50	3.35	+0.27	0.65	7.5	16	6	8	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	34.0	+1.4	67	24	−2	10	45	2.69	−0.43	0.50	5.0	13	12	4	12	s.	J. C. Robinson
Glenville	Gilmer	738	39	36.8	+2.5	67	24	−4	10	43	3.14	−0.60	0.72	6.5	12	12	5	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	34.7	+2.5	65	22	−5	12	44	2.57	−0.61	0.60	...	8	...	...	...	...	W. E. Clayton
Horner	Lewis	1,044	10	...	...	...	...	...	...	...	3.32	...	0.95	...	10	...	...	...	...	Foster R. Hardman
Janelew (near)	Lewis	1,020	10	36.6	...	65	24	−5	12	40	3.15	...	0.65	4.0	8	13	8	7	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	33.6	+1.2	64	22†	−9	12	47	2.68	−0.45	0.68	4.0	11	12	5	11	w.	Allen Smith
Mannington	Marion	985	30	33.6	+1.1	63	24	−9	12	41	2.42	−0.53	0.55	5.2	14	12	6	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	35.6	+3.1	62	21†	−4	9	41	1.97	−1.08	0.41	1.5	8	16	5	7	sw.	Bruce Davis
New Cumberland	Hancock	671	35	^{a}31.0	+2.2	61^{a}	24	−2	9†	45^{a}	1.50	−0.99	0.40	3.0	13	13	6	9	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	36.5	+3.3	66	24	−1	9	43	2.98	−0.03	0.51	2.3	9	14	5	9	n.	Wm. Ankrom
Parkersburg	Wood	638	46	35.5	+1.3	65	24	−2	9	39	1.92	−1.21	0.54	3.0	11	13	6	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	34.0	+2.8	62	24	−3	9	54	2.25	−1.27	0.67	1.0	7	10	7	11	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Robert T. Deem
Philippi	Barbour	1,550	36	...	...	...	...	...	...	...	3.27	−0.09	0.84	4.5	13	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	30	31.0	−0.7	61	24	−9	9	53	7.87	+2.60	1.18	22.0	15	14	4	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	...	...	...	...	...	...	...	2.71	...	0.56	5.6	12	12	3	13	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	...	...	...	...	...	...	...	3.51	−0.04	1.05	6.0	15	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	24	...	...	...	...	...	...	...	3.02	−0.20	0.52	7.0	14	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	32	28.1	−0.4	59	24	−8	9†	43	3.15	−0.47	0.74	6.9	14	4	9	15	w.	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	4	...	...	...	...	...	...	...	3.81	...	1.10	12.5	12	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	10	34.8	...	65	24†	−3	9†	43	2.93	...	0.58	4.0	15	13	7	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	10	...	...	...	...	...	...	...	2.65	...	0.54	...	8	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	26	33.0	+3.5	63	24	−5	12	43	2.24	−0.33	0.51	3.0	8	12	9	7	...	George P. Pfister
West Milford	Harrison	979	8	...	...	...	...	...	...	...	2.61	...	0.58	...	7	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	37.3	+3.8	65	24	−5	9	43	3.59	−0.13	0.69	7.5	14	6	11	11	...	A. Henry
Wheeling	Ohio	645	46	^{a}32.6	+0.8	67^{a}	24	−5	10	48^{a}	1.73	−0.84	0.40	6.0	13	12	11	5	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	6		...	...	...	...	...	...	2.13	...	0.42	4.5	12	8	6	14	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	...	...	...	...	...	...	...	3.48	...	0.92	2.5	11	11	9	8	w.	H. S. Sutton
Bancroft	Putnam	574	29	32.2	−2.5	58	23	−3	9	39	2.58	−0.42	0.89	3.0	7	14	2	12	ne.	Charles N. Long
Beckley	Raleigh	2,440	30	35.4	+1.4	67	23	−9	9	55	4.38	+1.40	0.94	1.1	15	10	7	11	...	L. A. Mauck
Bluefield^{e}	Mercer	2,558	38	36.9	+2.5	65	24	−5	9	43	3.86	+0.67	0.76	5.3	12	7	5	11	...	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{e}38.0	−0.9	70^{e}	24	2^{e}	9	48^{e}	5.11	+1.59	0.95	2.0	16	9	1	18	...	D. J. M. Cook
Clay	Clay	706	17	...	...	...	...	...	...	...	2.92	−0.33	0.75	3.8	15	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	...	...	...	...	...	...	...	2.89	...	0.92	...	10	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	17	...	...	...	...	...	...	...	2.18	−0.51	0.55	...	13	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	17	...	...	...	...	...	...	...	2.52	−0.48	0.62	3.0	13	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	17	...	...	...	...	...	...	...	2.60	−0.04	1.00	1.0	12	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	...	...	...	...	...	...	...	4.35	...	1.40	3.0	7	...	...	...	...	Mrs. D. R Gandinees
Gary	McDowell	1,426	17	36.1	−1.2	70	24	−3	9†	51	4.31	+0.95	1.08	7.0	19	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	35.6	+0.4	73	24	1	9	44	4.04	+0.95	0.90	1.5	14	13	2	13	...	Mrs. M. L. McClung
Huntington	Cabell	538	36	39.4	+5.5	70	24	0	9	53	2.84	−0.32	0.91	5.2	12	8	11	9	w.	H. N. Robinson
Kanawha Falls	Fayette	618	14	...	...	...	...	...	...	...	4.96	+2.48	1.20	...	12	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	17	...	...	...	...	...	...	...	4.10	+0.77	0.93	12.0	14	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	7	...	...	...	...	...	...	...	5.16	...	1.35	4.2	11	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	3	...	...	...	...	...	...	...	4.74	...	1.03	9.0	10	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	33.8	+0.8	65	24	−2	9	35	4.10	+1.14	1.59	5.0	8	12	6	10	...	Rose Argabrite
Logan	Logan	700	30	...	...	...	...	...	...	...	4.28	+0.71	1.13	4.2	12	...	...	...	...	J. R. Wampler
Madison	Boone	675	12	35.6	+2.0	70	24	1	9	38	4.06	+0.83	1.12	4.2	12	13	2	13	...	T. A. Stout
Marlinton	Pocahontas	2,131	34	33.0	+1.3	68	24	−4	5†	56	3.50	+0.02	1.42	1.5	6	15	4	9	nw.	S. L. Brown
Point Pleasant	Mason	595	40	36.6	+3.6	68	24	0	12	40	2.89	−0.53	0.94	2.0	14	10	10	8	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	31.8	...	64	24	−7	6†	49	4.49	...	0.88	11.0	14	11	3	14	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	34.8	−3.2	67	24	−3	10	41	2.46	−0.29	0.70	...	10	8	0	20	ne.	Lockmaster
Richwood	Nicholas	2,193	3	33.9	...	63	24†	−3	9	42	5.04	...	0.88	17.5	16	12	0	16	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	34.0	+0.2	77	25	−2	9†	48	2.56	−0.49	0.70	5.0	14	13	0	15	...	M. Frazier
Ryan	Roane	700	30	32.8	−1.3	65	24	−8	9	53	3.27	−0.11	0.92	5.6	13	8	7	13	...	Wm E. Ryan
Sharples	Logan	889	13	...	...	...	...	...	...	...	3.94	+0.96	1.38	...	5	...	...	...	...	R. W. Howard
Spencer	Roane	789	29	35.0	+0.2	65	22	−2	9	38	3.47	+0.27	0.78	6.0	11	7	9	12	...	A. M. McKown
Sutton	Braxton	850	27	36.4	+0.7	67	24†	−1	9	44	4.20	+0.70	0.85	12.0	10	18	0	10	...	C. B. Eakle
Union^{d}	Monroe	2,250	29	35.5	+0.7	66	24†	−4	9	36	4.87	+2.03	1.28	11.1	13	9	3	12	...	W M. H. Young
Wayne	Wayne	598	6	...	...	...	...	...	...	...	3.21	...	1.05	4.4	12	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	31.4	−4.0	64	24	−1	8	42	4.55	+1.62	1.15	...	7	11	2	15	...	A. P. Spence
Williamson	Mingo	673	33	37.0	0	68	24	3	9	35	4.66	+1.40	1.23	3.9	16	10	8	10	se.	J. E. Dotson
State averages and	extremes			34.5	+1.1	77	25	−12	12	56	3.13	−0.04	1.59	5.8	11	12	5	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means.
† Also on other dates †† Received too late to be included in means and summaries
Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for February, 1933

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖	Potomac	.05			.02	.05		.61		.10		.16			.22	.30				.42						.72	.42						3.07
Brandywine	....do	.05			.10				.40			.20			T.				.05		.45			T.		.15							1.40
Circleville	....do		.07			.09		.01	.61	.10		.08	.07			.17	.04		T		.53			T.			.71						2.48
Harpers Ferry ‖	....do		.05			.03			.22	T.		.35							.06		.56						.11						1.38
Kearneysville	....do	.09			.06			.14	.19			.41							T.		.75					.18							1.82
Martinsburg ‖	....do		.10			.08			.30	.05		.35							.20		.65			T.			.25						1.98
Moorefield	....do	.04			T.							.25									.55					.35							1.19
Piedmont	....do	.03			.05	T.	.02	.26	.04			.20			T.	.02			T		.36			T.		.53	.03						1.54
Romney‖	....do								.35												.20						.41						0.96
Stony River Dam	....do		.10			.30				.20		.15				.05			.25		.32			.44			.80						2.61
Upper Tract	....do																																......
Wardensville‖	....do	T.				T.	T.		.12			.19							T.		.55						.27	T.					1.13
Northern Division																																	
Aberdeen	Monongahela	.03			T.	.18		.22	.48	.02		.13			.12	.71		T.	.18		.49					.58	T.						3.14
Alma (near)	Ohio	.15			.02	.04		.46	.26	.01		.11			.13	.43					.42					.33	.01						2.37
Alpena	Monongahela	.26			.20	.30	.20	.33	.26			.20			.37	.64			.27		.65			.03		.84	.20						4.75
Benson	....do	.06			.04	.10		.30	.45	.15		.18			.15	.55					.58					.45	.10						3.11
Bens Run	....do	.25			.15	.05		.50	.26			.10				.28			.01		.50					.37							2.47
Brownsville	....do	.05			.05	.10		.33	.35		.06	.05			.12	.45			.15		.58					.65							2.94
Bruceton Mills	....do	.06			T.	T.	.18	.38	.10	.10		.30			.30	.10					.94	T.				.50	T.						2.96
Buckhannon	....do	.12			T.	.20		.35	.53						.10				.80		.52					.84	T.						3.46
Cairo	Little Kanawha	.18				.07		.43	.29	.36	.30	.40			.15	.38					.58					.35							3.49
Cheat Bridge‖	Monongahela																																......
Clarksburg‖	Little Kanawha		.04			.03		.12	.34	.07		.09			.05	.56			.04		.52			T.		.02	.48						2.36
Crawford‖	....do	.05			.01	.11		.34	.13	.04		.10			.21	.53		.02	.19		.59			.02		.54	T.						2.88
Creston‖	Monongahela		.12			.18		.09	.50	.40		.07				.64			.11		.73					.09	.40						3.33
Dam 10, Mon. R.‖	Ohio		.06			.05			.38	.08		.20	T		.04	.36			.05		.38			.02		.05	.39						2.06
Dam 12, O. R.‖	....do		.22			.19		.02	.28	.04		.04			.25	.12			.02		.25	.02		.01		.01	.20						1.67
Dam 13, O. R.‖	Monongahela		.23			.21		.02	.30	.04		.05			.17	.23			.02		.32					.03	.26						1.88
Dam 15, Mon. R.‖	....do		.08			.06		.03	.38	.06		.08	T.		.06	.35	T.		.03		.44	T.		.02		T.	.47						2.06
Davis ‖	....do		.70			.20	.45	.12	.51	.22		T	.12		.08	.61	.13		.11		.65			.06		.05	1.11	.20					5.32
Elizabeth (D'm 3 LK)	Little Kanawha		.17			.08		.18	.49	.32		.10			.09	.44			.09		.71	.01		.03		.03	.24						2.98
Elkins***	Monongahela	.04			.20	.02		.45	.43		.03	.08		T.	.13	.58		.09	.03	.13	.41	T		.04		.64	.05						3.35
Fairmont‖	....do	.02	.07			.10		.05	.41	.15		.20	T.		.19	.33	T.	T.	.12		.50	T				.05	.50						2.69
Glenville ‖	Little Kanawha		.06			.07		.10	.41	.23		.14	T.		.06	.61			.22		.72			.04		T.	.48	T.					3.14
Grafton ‖	Monongahela	.10						.47	.28			.15				.60		.02			.60					.35	T.						2.57
Horner	....do	05			.10			.15	.12			.10			.25	.85				.10	.95					.65							3.32
Horton	....do																																......
Janelew (near)	....do					.20		.55	.40			.10			.10	.60					.65					.55							3.15
Lost Creek	....do	.09			T.	.04		.32	.29			.16			.12	.56			.03		.50			.03		.54	T.						2.68
Mannington	....do	.13			.02	.14		.33	.32	.04		.13			.10	.30		T.	.03		.55			.01		.31	.01						2.42
Morgantown	....do	.10			T.			.12	.17					.23	.18		T.			.41	T.				.40	.36	T.						1.97
New Cumberland‖	Ohio	.02	.15			.05		.04	.40	.10		.05	T.			.02			.02		.29	.02		T.		.20	.14						1.50
New Martinsville	....do	.38			.51			.42	.28			.07			.28	.24					.48					.32							2.98
Parkersburg***	....do	.25			.08			.54	.06			.10			.13	.06		.03		.11	.37	T.		T.		.19	T.						1.92
Parsons	Monongahela	.23				T						.10			.67	.30		T.		.10	.60					.25							2.25
Parsons No. 2	....do																																......
Philippi	....do		.06			.15	T.	.14	.49	.18		.15			.04	.84	.02		.18		.42			.02		T.	.58	T.					3.27
Pickens	....do	.69			.30	.40		.89	.58	.28	.10	.10			1.02	.90		.12	.18		.95					1.18	.18						7.87
Roanoke	....do	.02			.01	.01		.25	.40	.04		.10			.16	.56		T.	.18		.55					.43	T.						2.71
Rowlesburg‖	....do		.05			.08		.04	.61	.09		.12			.03	.68	.06		.09	T.	.49	.06		T.		.04	1.05	.02					3.51
Saint Marys‖	Ohio	.03	.19			.10	.05	.06	.52	.14	.10	.12	.10	10	.18	.36			.03		.45					.19	.30						3.02
Terra Alta	Monongahela		.06			.10	T.	.09	.52	.09		.16	T.		.05	.63	T.		.11		.49	.05	T.	.01		.05	.74	T.					3.15
Thomas ‖	....do					.16		.10	.52	.16		.16	.01		T.	.86			.13		.54	.05		.02			1.10	T.					3.81
Valley Chapel	....do	.02	T.			.01		.32	.25		.09	.02	.28	.10	.09	.50			.08		.58			.03		.46	.10						2.93
Vandalia	....do							.42	.06				.27	.20		.54			.17		.51			.48									2.65
Wellsburg	Ohio	.25			.08	.15		.22	T.		T.	T.	T.		38	.51					.36			T		.29	T.						2.24
West Milford	Monongahela	.08						.30			.40				.20			.55			.58					.50							2.61
Weston	....do		06			.15		.14	.58	.21		.12			.08	.69	.02		.19		.62	.06		.03			.64						3.59
Wheeling‖	Ohio		.22			.20		.02	.27	.04		.04	T.		.23	.17			.01	T.	.27	.02				.02	.22						1.73
Woodlands‖	....do		.28			.14		.01	42	.13		.10			.09	.29			.01		.30	.04				T.	.32						2.13
Southern Division																																	
Arbovale	Great Kanawha	.32			.10	T.		.81	T.			.10			.30	.09	T.		.16		.92			.08		.55	.05						3.48
Bancroft ‖	....do					T.			.40	.20		.10				.60					.89			.06		.33							2.58
Beckley	....do	.14	.02		.16	.04		.94	.18			.20		.04	.33	.49		.16	.27		.78			.03		.60	T.						4.38
Bluefield	....do	.02			.25			.52	.27			.18			.28	.61		.03	.50		.76					.32		.12					3.86
Charleston ‖	....do	.03				.80		.04	.38			.20	.22	.20	.12	.82			.08	.22	.95		.30	.11		.04	.60						5.11
Clay‖	....do	T.	.03			.03			.45	.11		.15			.11	.75	.01		.09	.12	.60	.04		.08		.05	.30						2.92
Dam 6 G. K ‖	....do	T				T.		.03	.38	.03		.12			.13	.80			.10		.92			.13			.25						2.89
Dam 19 O. R. ‖	Ohio	T.	.25			.03		.11	.43	.02		.08			.04	.55			.05		.43			.01		.06	.12						2.18
Dam 20 O. R. ‖	....do	.04	.22			.02		.10	.55	.24		.10			.04	34			.03		.62					.06	.16						2.52
Dam 25 O. R. ‖	....do		.10			.02		.12	.48			.07			.07	.36			.10		.74			.02		.02	.36						2.46
Dam 26 O. R. ‖	....do	T.	.08			T.		.12	.48	.05		.08			.12	.37			.10		1.00	.02		.05		T.	.13						2.60
Durbin	Great Kanawha					.25		.07	1.40			.06				.53					1.01						1.03						4.35
Gary ‖	Big Sandy	.03	.02		T.	.16	.08	.03	.49	.16	.08	.18			.12	1.08	.02	.06	.65	.03	.62	.08				.05	.37						4.31
Hinton‖	....do	T.	.07	T.	.07	.20	.11	.02	.90	.03		.10	T.		.10	.39	.04		.55		.88	T.		T.		T.	.58	T.					4.04
Huntington	Ohio	.04			T.	T.		.44	.18			.18			.20	.42		.02	.05	.29	.62			.03		.37							2.84
Kanawha Falls‖	Great Kanawha					.79			.45				.20	.20	.05	1.20			.20	.09	.92		.26	.05			.55						4.96
Kayford‖	....do	.03	.03			.27	T	.01	.40	.35		.37	T.		.01	.93	.07		.22		.89	.07		T.			.45	T.					4.10
Kermit‖	Big Sandy	.12				.02		.40	.30	.10					.85	1.05			.22		1.35					.55	.20						5.16
Kingston	Great Kanawha				.10	.30		.81	.20			.30			.51	.62			.19		1.03					.68							4.74
Lewisburg	do	.34			.40			.41	T.		T.	.10			.21			T.	.62		1.59					.43	T.						4.10
Logan‖	Guyandotte	.06				.10		.02	.72	.05		.18			.10	1.04	T.		.27		1.13	T.				.21	.40						4.28
Madison	Great Kanawha	.07			.10			.63	.07		.25	T.		.15	1.10		T.	.16	T.	1.12	.03	T.			.08	.30							4.06
Marlinton	do	.22			T.			1.42			T.	.15			.62						.52				.57								3.50
Point Pleasant‖	Ohio	.02	.08			.06		.08	.40	.22		.15			.14	.40			.14		.94	T.		.04		.04	.18						2.89
Rainelle	Meadow Creek	.08			.24	.46		.70	.40	.03		.19			.34	.14		.08	.21		.88					.73	.01						4.49
Ravenswood (Dam 22	Ohio‖					.03		.06	.43	T.					T.	.54			.10		.70	.05		.05		.05	.45						2.46
Richwood	Great Kanawha	.10			.05	.50		.41	.38	.06		.17		.02	.50	.52		.05	.37		.85			.18		.70	.18						5.04
Robertsburg‖	....do	.05	.07			.02		.07	.41	.12		.22			.15	.38			.13		.70			.03		.02	.19						2.56
Ryan	....do	.06			.08				.53	.35		.12			.20	.62		.04	.10		.92			.03		.21	.01						3.27
Sharples‖	Coal River								.81		T.					1.38				.30	1.12						.33	T.					3.94
Spencer ‖	Great Kanawha	T.				.08		.12	.49	.26		.18			.52	.48			.16		.78	T.				.05	.35						3.47
Sutton	Ganley				.40	.20		.50	.20			.20			.50	.75					.85					.35	.25						4.20
Union	....do	.30	T.		.28		.28	.46	.51	.05	T.	.15		.10	.45	.35		T.	.34		1.28					.32							4.87
Wayne ‖	Big Sandy	.03				.04	.01		.32	.18		.20			.17	.78			.17		1.05					.11	.15						3.21
White Sulpr. Spgs.‖	Great Kanawha		.20		T.			1.15							.80			.55		1.15	.10					.60							4.55
Williamson‖	Big Sandy	.01	.02			.09	.02	.03	.64	.12		.16			.15	1.00	T.	.03	.30		1.20	.03				.16	.70						4.66

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	45	47	40	30	27	40	47	50	15	32	28	32	42	50	49	45	46	48	47	40	60	53	60	55	56	49	35	40	....	....	....	43.1
	Minimum	21	35	22	22	4	3	29	13	-7	2	16	-2	7	33	21	15	24	16	37	30	18	40	41	30	31	23	15	19	....	....	....	19.9
Brandywine	Maximum	50	57	47	35	32	40	45	57	32	34	31	35	43	57	51	42	52	55	54	55	45	57	60	67	62	46	42	50	....	....	....	47.7
	Minimum	28	35	27	21	11	4	25	30	3	10	18	4	20	32	29	12	25	42	20	37	30	20	37	35	35	31	23	20	....	....	....	23.7
Kearneysville	Maximum	49	56	50	35	33	33	39	57	36	30	32	27	30	40	40	42	46	50	47	55	47	51	59	66	60	48	42	50	....	....	....	44.6
	Minimum	29	29	30	27	16	12	30	28	8	11	18	3	4	24	30	19	30	31	25	39	36	23	41	40	36	31	25	28	....	....	....	25.1
Martinsburg*	Maximum	57	60	47	34	30	36	43	59	39	47	33	27	32	43	40	45	50	55	48	60	49	54	63	68	50	41	44	..	....	....	....	46.4
	Minimum	29	31	31	28	19	14	18	33	10	9	16	7	6	10	28	22	28	28	26	34	39	24	27	40	41	31	26	26	....	....	....	24.3
Moorfield	Maximum	53	59	55	44	33	45	46	58	48	35	34	36	47	52	48	52	58	57	55	56	53	65	62	70	66	51	44	54	....	....	....	51.3
	Minimum	28	18	31	25	9	8	29	6	4	11	18	14	18	27	34	18	24	35	27	38	32	27	42	33	38	29	23	37	....	....	....	24.4
Piedmont	Maximum	44	52	48	32	30	35	39	49	16	27	27	28	40	44	46	47	47	53	44	48	42	53	55	64	52	44	38	44	....	....	....	42.4
	Minimum	29	25	27	22	12	10	29	16	0	6	20	3	9	33	29	20	23	38	20	38	34	22	37	39	35	29	22	25	....	....	....	23.3
Romney*	Maximum	54	54	56	44	34	20	44	51	54	19	29	32	30	37	49	38	50	52	55	51	53	46	61	59	67	50	35	43	....	....	....	45.2
	Minimum	27	29	30	24	16	9	19	30	4	4	11	4	8	10	31	18	24	27	20	25	37	20	21	37	40	30	24	27	....	....	....	21.6
Upper Tract	Maximum	46	51	52	54	41	39	39	50	31	24	30	38	47	59	58	51	46	50	47	49	45	56	..	61	59	58	41	46	....	....	....	47.0
	Minimum	28	41	45	40	15	8	15	28	0	4	8	5	20	36	30	13	18	29	20	35	38	20	..	45	44	41	24	20	....	....	....	24.8
Wardensville	Maximum	52	65	56	49	33	21	41	57	50	46	37	33	35	44	49	42	44	52	51	53	68	60	68	62	66	52	36	42	....	....	....	48.7
	Minimum	24	29	34	24	15	5	11	32	0	8	15	0	9	17	33	15	23	32	20	34	39	20	29	33	36	30	24	28	....	....	....	22.1
Northern Division																																	
Alpena	Maximum	41	46	40	31	29	40	44	48	16	31	30	36	41	49	50	45	40	42	47	43	38	56	49	59	59	40	34	40	....	....	....	41.6
	Minimum	26	32	21	19	2	0	28	15	-8	1	14	0	10	34	20	10	26	34	22	34	29	18	37	41	32	21	14	15	....	....	....	19.5
Bens Run	Maximum	54	55	44	37	33	36	47	51	28	25	29	31	44	46	45	47	46	50	60	59	43	62	67	62	58	43	48	49	....	....	....	46.4
	Minimum	31	44	25	26	9	9	30	16	0	7	22	4	18	37	29	20	30	34	28	40	33	33	25	33	43	33	24	24	....	....	....	25.2
Buckhannon	Maximum	53	50	40	35	30	37	34	54	18	28	30	29	44	51	50	43	43	47	59	62	43	61	60	62	51	51	39	44	....	....	....	44.6
	Minimum	21	34	28	24	10	4	4	18	-2	3	22	0	15	37	30	18	13	37	27	41	36	24	38	33	41	30	20	28	....	....	....	22.6
Cairo	Maximum	55	55	52	42	32	38	49	53	20	28	30	35	48	46	45	51	47	53	46	62	52	65	61	65	65	48	47	52	....	....	....	55.1
	Minimum	28	26	18	20	9	2	30	19	-6	-5	22	-8	9	33	30	13	26	31	32	26	32	20	43	27	40	32	18	16	....	....	....	20.8
Clarksburg*	Maximum	53	52	39	36	23	43	56	38	32	29	27	33	45	50	41	49	49	49	61	49	45	51	57	64	57	44	42	47	....	....	....	45.5
	Minimum	28	30	20	21	10	3	12	31	-2	-1	9	-5	0	20	30	11	20	39	24	28	37	19	23	28	32	30	20	16	....	....	....	19.1
Creston	Maximum	56	54	46	38	34	38	50	48	17	29	30	34	45	44	45	52	47	52	55	51	59	62	63	66	64	47	45	49	....	....	....	47.1
	Minimum	29	27	19	23	9	3	30	11	-7	-5	22	-3	3	34	29	15	28	38	24	39	34	21	42	28	40	32	20	18	....	....	....	21.5
Elkins	Maximum	52	52	37	30	20	43	50	54	9	33	31	36	45	54	52	46	44	48	54	48	40	59	54	60	56	36	36	13	....	....	....	43.6
	Minimum	29	34	24	20	6	3	39	4	-4	4	14	3	20	59	22	15	32	27	24	35	25	20	44	40	35	25	19	17	....	....	....	22.0
Fairmont*	Maximum	52	53	44	34	17	41	51	38	35	27	27	38	47	49	42	52	48	54	64	54	48	65	66	67	57	48	48	49	....	....	....	47.1
	Minimum	31	34	25	23	10	8	10	36	-1	-2	10	1	2	29	32	17	17	36	25	27	36	23	27	33	37	30	20	20	....	....	....	21.0
Glenville	Maximum	55	55	50	41	33	40	52	59	19	31	31	37	46	45	53	53	53	54	61	60	49	65	65	67	64	50	48	42	....	....	....	49.6
	Minimum	30	29	22	23	10	1	32	28	-2	-4	23	-2	15	35	31	17	30	38	25	40	40	25	48	39	41	32	20	19	....	....	....	24.1
Grafton	Maximum	54	53	47	37	30	43	50	49	16	29	30	34	45	47	48	52	48	55	60	55	45	65	59	63	53	46	43	49	....	....	....	46.7
	Minimum	29	32	22	13	10	6	31	16	-2	2	21	-5	14	37	27	14	28	38	24	41	38	27	46	27	39	29	20	17	....	....	....	22.7
Lost Creek	Maximum	52	53	48	38	29	38	50	55	15	29	28	34	44	49	48	51	49	52	62	55	47	64	59	64	59	45	46	50	....	....	....	46.9
	Minimum	25	30	18	18	8	0	30	15	-5	-5	20	-9	8	35	28	13	29	36	21	39	32	17	44	28	36	29	15	14	....	....	....	20.3
Mannington	Maximum	52	53	46	35	31	37	48	54	17	25	27	27	44	45	48	41	47	47	60	57	47	61	60	63	59	49	42	46	....	....	....	45.4
	Minimum	27	31	22	20	9	-1	30	17	2	1	22	-9	8	35	28	15	27	35	22	41	37	20	45	28	38	30	19	18	....	....	....	21.9
Morgantown	Maximum	52	52	45	34	33	38	45	54	14	24	30	43	50	41	40	47	43	58	55	43	62	60	62	62	62	45	39	40	....	....	....	45.6
	Minimum	36	37	25	22	8	5	35	13	-4	4	2	21	40	25	17	37	33	32	40	33	25	42	40	42	40	29	20	20	....	....	....	25.6
New Cumberland*	Maximum	54	44	34	32	18	39	52	35	25	23	27	25	45	45	41	44	49	45	57	50	39	60	56	61	57	46	42	..	....	....	....	42.6
	Minimum	29	34	23	21	13	7	13	28	-2	-2	6	1	1	20	25	20	21	27	21	23	31	22	26	31	32	30	22	20	....	....	....	19.4
New Martinsville	Maximum	55	56	48	40	32	42	50	50	20	28	30	37	48	46	45	52	52	53	64	62	52	65	60	66	64	52	47	52	....	....	....	48.9
	Minimum	30	32	22	23	9	7	32	16	-1	7	22	0	16	39	28	17	29	33	25	39	35	22	45	31	42	32	22	20	....	....	....	24.1
Parkersburg	Maximum	58	50	40	33	24	42	54	48	11	26	28	31	45	46	44	48	46	49	58	51	43	63	58	65	60	42	44	49	....	....	....	44.9
	Minimum	35	33	25	24	9	10	36	9	-2	4	18	4	22	41	28	20	42	34	31	40	31	29	45	43	42	30	23	23	....	....	....	26.1
Parsons	Maximum	50	54	53	43	36	27	45	55	51	33	33	35	46	48	51	50	45	52	54	53	50	61	60	62	55	42	40	45	....	....	....	47.5
	Minimum	29	28	29	27	21	8	2	32	-3	3	2	1	1	30	25	9	27	27	23	28	28	28	29	29	36	27	20	19	....	....	....	20.5
Pickens	Maximum	47	49	39	31	26	40	49	46	40	33	34	37	42	51	49	47	41	45	55	48	43	58	55	61	53	42	37	48	....	....	....	44.5
	Minimum	29	29	22	22	2	-7	19	-7	-9	-3	12	3	12	39	19	10	22	28	25	33	28	23	36	23	25	22	12	16	....	....	....	17.4
Terra Alta	Maximum	44	47	47	32	28	8	40	50	35	9	27	20	31	48	48	26	43	42	46	47	46	36	58	59	58	50	25	34	....	....	....	38.7
	Minimum	27	33	21	21	3	2	2	34	-8	-8	2	-1	9	30	24	8	16	33	22	30	31	19	29	38	33	21	14	15	....	....	....	17.5
Wellsburg	Maximum	54	54	54	33	32	34	44	52	17	[illegible]	28	27	47	45	42	46	48	47	60	54	46	61	60	63	60	46	44	50	....	....	....	45.5
	Minimum	27	35	19	17	6	-1	30	15	-3	4	19	-5	8	35	25	14	27	25	18	28	35	18	43	28	39	30	19	16	....	....	....	20.6
Weston	Maximum	50	49	[illegible]	35	34	40	52	52	35	28	31	35	46	48	46	50	52	51	60	59	48	64	63	65	62	57	45	48	....	....	....	48.4
	Minimum	30	31	26	25	10	3	31	31	-5	4	19	2	15	34	30	19	40	30	28	29	38	24	45	32	40	30	40	42	....	....	....	26.2
Wheeling*	Maximum	54	52	47	34	30	40	52	42	33	25	32	32	50	44	43	43	49	51	63	55	45	65	60	67	58	50	48	..	....	....	....	46.8
	Minimum	25	30	16	20	4	0	12	20	-2	-5	8	14	10	26	20	14	20	25	19	45	27	17	20	28	41	34	16	15	....	....	....	18.5
Southern Division																																	
Beckley	Maximum	56	56	49	46	45	44	47	49	45	41	29	31	40	55	53	47	43	42	50	47	48	61	67	64	62	56	48	48	....	....	....	48.7
	Minimum	39	38	23	23	5	-5	31	6	-9	-3	5	-1	23	37	23	13	28	57	35	36	32	25	41	37	44	27	18	15	....	....	....	22.2
Bluefield	Maximum	51	52	49	42	..	47	49	46	20	32	30	..	40	56	56	47	46	48	..	50	48	..	60	65	64	..	52	55	....	....	....	48.0
	Minimum	42	42	29	29	..	4	32	15	-5	5	20	..	7	39	27	18	34	39	..	36	29	..	31	35	46	..	20	20	....	....	....	25.8
Charleston*	Maximum	61	56	47		43	42	60	40	31	32	..	40	50	54	42	51	52	.	65	56	.	67	64	70	..	63	48	51	....	....	....	51.5
	Minimum	38	39	29	29	..	10	12	12	2	5	8	..	12	30	31	22	22	42		34	41	..	30	31	32	..	28	24	....	....	....	24.5
Gary*	Maximum	57	56	46	39	24	56	53	44	44	35	30	46	40	57	43	54	49	47	56	51	53	66	69	70	61	43	44	57	....	....	....	49.7
	Minimum	36	41	27	27	18	5	6	36	-3	-3	4	3	7	26	38	20	20	34	[illegible]	35	33	26	27	29	29	35	23	18	....	....	....	22.5
Hinton*	Maximum	49	57	50	45	21	35	45	45	24	33	31	45	40	46	43	54	41	49	58	59	54	70	62	73	58	44	47	57	....	....	....	47.4
	Minimum	35	38	29	31	20	5	7	20	1	8	16	9	10	25	35	20	21	30	35	39	34	26	28	31	31	35	25	23	....	....	....	23.8
Huntington	Maximum	60	57	57	47	38	41	53	53	53	29	32	37	47	48	49	56	48	53	64	58	58	69	64	70	62	62	49	53	....	....	....	52.4
	Minimum	39	34	25	29	13	13	18	12	0	7	14	7	21	32	32	21	34	39	29	43	49	28	45	35	48	37	26	23	....	....	....	26.5
Lewisburg	Maximum	46	53	50	42	32	33	40	47	20	31	29	35	38	46	49	45	42	49	48	45	47	58	56	65	63	53	40	50	....	....	....	44.7
	Minimum	32	34	27	28	3	1	28	18	-2	7	19	6	18	33	19	16	21	32	34	37	34	23	28	32	34	29	20	18	....	....	....	22.8
Madison	Maximum	58	54	45	41	19	46	57	29	19	32	29	41	49	49	38	55	49	58	62	52	54	67	62	70	60	47	46	52	....	....	....	47.9
	Minimum	41	25	28	14	8	13	28	3	1	5	3	6	31	32	21	21	41	31	43	32	26	29	32	34	36	26	21	23	....	....	....	23.4
Marlinton	Maximum	48	54	48	42	34	42	54	52	26	40	38	42	46	51	54	50	54	52	56	54	54	64	60	68	58	46	52	54	....	....	....	49.9
	Minimum	12	8	12	5	-4	10	18	-4	12	16	12	14	20	31	12	12	24	22	22	24	28	34	18	18	20	10	16	22	....	....	....	16.0
Point Pleasant	Maximum	58	56	48	42	34	40	48	46	36	32	32	34	45	44	44	50	48	51	63	55	50	65	64	68	64	50	47	51	....	....	....	48.8
	Minimum	34	34	24	22	10	7	30	7	3	5	20	0	15	35	30	18	34	35	30	40	36	25	42	34	45	32	20	19	....	....	....	24.5
Rainelle	Maximum	42	51	45	43	30	42	46	48	16	29	29	32	38	45	47	47	40	44	46	46	46	60	55	64	51	47	38	48	....	....	....	43.5
	Minimum	30	31	24	24	6	-7	30	11	-7	-5	17	-3	17	33	26	12	21	35	30	36	28	19	36	26	31	26	19	16	....	....	....	20.1
Ravenswood	Maximum	58	48	48	36	31	37	50	54	16	27	26	30	42	45	47	43	45	44	55	55	48	60	60	67	65	51	45	50	....	....	....	45.8
	Minimum	32	27	21	24	9	4	31	13	-1	-3	22	-2	15	37	30	19	34	36	26	39	38	26	46	31	44	32	20	19	....	....	....	23.9
Richwood	Maximum	59	51	46	37	31	42	49	52	16	36	30	36	43	56	52	46	47	45	49	49	44	59	60	63	63	50	43	47	....	....	....	46.5
	Minimum	32	36	22	25	6	0	31	16	-3	2	12	2	3	37	26	11	31	27	30	36	34	24	38	28	27	24	19	18	....	....	....	21.3
Robertsburg*	Maximum	61	49	44	30	27	38	57	36	26	22	30	37	47	49	36	47	45	52	66	58	63	72	67	62	77	52	49	40	....	....	....	47.8
	Minimum	33	27	21	21	10	8	13	26	-2	-2	5	-2	-1	22	30	17	21	36	25	30	35	24	32	30	33	32	20	20	....	....	....	20.1
Ryan	Maximum	60	60	50	32	27	24	36	45	45	27	25	32	45	50	41	48	50	50	58	47	45	60	60	65	55	44	45	50	....	....	....	45.6
	Minimum	29	25	18	21	21	6	5	28	-8	-7	17	-6	11	30	27	14	26	33	23	35	33	21	36	26	37	29	17	17	....	....	....	20.1
Spencer*	Maximum	57	54	42	39	17	44	50	29	10	29	30	39	47	53	38	52	45	53	63	53	49	65	61	59	59	45	46	51	....	....	....	45.7
	Minimum	34	31	22	26	10	6	17	28	-2	-1	10	1	21	39	22	18	38	39	37	37	39	24	40	36	40	32	21	19	....	....	....	24.4
Sutton	Maximum	55	55	50	43	36	41	52	52	28	31	31	35	46	49	49	54	54	50	56	56	49	65	65	67	67	54	44	49	....	....	....	49.4
	Minimum	31	33	22	22	8	2	34	22	-1	0	23	2	18	37	30	15	30	19	26	41	31	21	45	29	46	31	21	18	....	....	....	23.4
Union	Maximum	50	53	53	45	..	34	45	50	29	31	40	..	38	44	50	44	47	44	..	43	50	59	60	66	66	..	54	54	....	....	....	47.9
	Minimum	32	39	24	26	..	-1	27	26	-4	4	20	..	2	32	28	16	22	35	..	29	32	23	41	31	33	..	19	18	....	....	....	23.1
White Sulphur Spgs.	Maximum	42	54	45	35	20	35	41	41	18	35	35	35	37	42	42	46	42	42	49	46	48	55	58	64	52	40	42	36	....	....	....	42.0
	Minimum	34	26	25	17	0	9	33	-1	4	12	3	12	24	34	14	18	26	33	37	28	19	30	28	32	30	19	16	20	....	....	....	20.8
Williamson*	Maximum	58	56	46	42	35	41	54	41	32	32	30	39	43	50	40	52	46	47	60	53	54	65	62	68	59	49	45	52	....	....	....	48.2
	Minimum	39	43	29	29	17	13	17	31	3	5	8	7	8	28	35	24	25	36	35	36	39	30	30	33	34	38	28	24	....	....	....	25.9

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-28-33—900)

51.05
UNWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XLI PARKERSBURG, W. VA., MARCH, 1933 No. 3

GENERAL SUMMARY

The month was somewhat cold and exceptionally wet, being the wettest March since 1917, and the third wettest of March State record. The average precipitation, 5.92 inches, was nearly twice the normal. Monthly amounts exceeding nine inches were reported from the mountain districts. Precipitation occurred almost daily from the 13th to the 26th, with unusually heavy amounts in sections of the central valleys, causing marked floods in the rivers and small streams. Warm weather for the season prevailed from the 13th to the 20th. Temperature readings of zero or slightly above were general on the mornings of the 6th and 11th. While the snowfall averaged slightly below the normal, heavy amounts were reported from scattered localities in the mountain districts. On account of the wet condition of the soil, and large number of rainy days, the month was unfavorable for farm work. At the close of the month, meadows and pastures were turning green, and early fruit buds were beginning to swell.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 40.5°, or 1.8° below the March normal. Cold weather prevailed from the 1st to the 6th, 9th to the 12th, and from the 21st to the 30th, with the lowest readings on the 6th and 11th. Mild weather for the season occurred during the second decade, the temperature being much above the average on the 13th, 14th, 19th, and 20th. The highest monthly mean temperature was 45.6° at Huntington, and the lowest was 33.9° at Bayard. The highest temperature was 80° at Charleston on the 20th, and the lowest was 4° below zero at Pickens on the 11th, making the monthly range for the State 84°. The greatest daily range was 54° at Lost Creek on the 6th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 5.92 inches, which was 2.05 inches more than the normal. The precipitation was the heaviest over the mountain districts and lightest in the eastern counties. Precipitation was general on the 2d-4th, 7-10th, 13-15th, 18-26th, and 31st, the greatest amounts being measured on the 7th, 13-14th, and 18-19th. Light to moderate snow fell on the 3d, 8th, 10th, and 26th. The greatest monthly precipitation was 11.59 inches at Pickens, and the least was 1.59 inches at Upper Tract. The greatest monthly snowfall was 41.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 15.

RIVER

Flood stages prevailed in this district from March 15 to March 25, caused by heavy rains over the upper Ohio watershed. The following crest stages, in feet and tenths, were noted: St. Marys, 39.6; Marietta, 41.0; Parkersburg, 42.4; Dam 19, 43.1; Dam 20, 43.5; Dam 22, 46.4; Dam 25, 51.5; Point Pleasant, 50.9; Huntington, 56.9.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Marion, 15th; Mingo, 13th, 14th, and 23d; Randolph, 14th; Ritchie, 15th; Roane, 25th; Summers, 14th.

MISCELLANEOUS PHENOMENA

Halos, lunar: Elkins and Pickens, 6th.

Sleet: Elkins, 25th; Fairmont, 23d.

Thunderstorms (dates and number of stations reporting): 7th, 3; 8th, 9; 9th, 7; 13th, 16; 14th, 21; 15th, 13; 17th, 1; 18th, 4; 19th, 6; 20th, 4; 25th, 1.

ERRATUM

February, 1933—Page 6, New Cumberland, make total snowfall 4.0 inches.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.04	30.57	5	29.31	20	9.3	32	sw.	8	82	63	66	44
Columbus, Ohio	30.02	30.58	5	29.30	20	13.2	54	w.	8	76	66	69	33
Elkins	30.06	30.56	5	29.33	8	8.4	34	w.	8	83	66	70	38
Lexington, Ky.	30.07	30.57	5	29.35	20	14.4	47	s.	31	79	65	....	49
Parkersburg	30.06	30.58	5	29.26	20	8.1	34	nw.	8	82	70	77	37
Pittsburgh, Pa.	30.02	30.53	5	29.27	8	11.6	41	w.	8	77	69	66	35
Wytheville, Va.	30.03	30.46	5	29.35	7	9.4	32	w.	23	73	53	60	44

COMPARATIVE DATA FOR MARCH

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	34.9	− 7.4	....	......	4.91	+1.04	.....	......	......	...	...	..	...
1892	36.4	− 5.9	87	8	3.50	−0.37		......	......	....	...	....	...
1893	40.7	− 1.6	84	3	1.49	−2.38	2.89	0.89	5.2	9	8	8	15
1894	45.8	+ 3.5	88	1	1.94	−1.93	3.05	0.75	1.9	8	15	9	7
1895	39.6	− 2.7	90	0	3.05	−0.82	4.75	0.89	7.9	11	10	9	11
1896	36.1	− 6.2	76	−10	4.45	+0.58	8.40	1.76	......	13	11	8	13
1897	46.1	+ 3.8	81	12	3.60	−0.27	6.52	1.33	......	12	9	10	12
1898	48.5	+ 6.2	86	9	5.13	+1.26	10.05	1.25	T.	12	8	9	14
1899	42.5	+ 0.2	76	0	5.82	+1.95	8.43	2.40	4.5	13	7	9	15
1900	38.5	− 3.8	78	− 5	3.79	−0.08	6.48	2.18	14.7	12	7	9	15
1901	42.9	+ 0.6	83	−11	3.23	−0.64	5.27	0.90	2.3	12	8	8	15
1902	43.4	+ 1.1	80	− 5	4.30	+0.43	6.29	3.00	15.0	11	10	9	12
1903	51.3	+ 9.0	87	13	4.47	+0.60	6.59	2.70	0.2	11	10	9	12
1904	43.8	+ 1.5	86	7	4.12	+0.25	6.10	1.38	1.9	11	9	8	14
1905	46.6	+ 4.3	88	− 2	4.10	+0.23	6.46	1.45	0.7	10	14	7	10
1906	37.3	− 5.0	75	− 7	4.77	+0.90	8.11	1.98	13.4	14	7	6	18
1907	49.6	+ 7.3	**94**	2	4.77	+0.90	8.18	1.05	4.2	12	12	8	11
1908	47.8	+ 5.5	89	15	6.04	+2.17	8.60	1.23	1.1	13	11	8	12
1909	40.8	− 1.5	83	10	3.38	−0.49	8.66	1.10	4.7	13	9	10	12
1910	49.5	+ 7.2	90	5	**0.55**	−3.32	2.25	**0.04**	1.1	4	18	9	4
1911	40.5	− 1.8	90	− 5	3.30	−0.57	7.86	1.12	5.2	12	11	8	12
1912	39.9	− 2.4	80	6	5.02	+1.15	9.36	1.78	5.1	15	8	7	16
1913	45.7	+ 3.4	89	− 3	4.53	+0.66	7.90	1.77	2.7	12	11	9	11
1914	37.3	− 5.0	83	**−13**	3.03	−0.84	7.11	0.89	17.7	12	10	8	13
1915	**34.4**	− 7.9	63	7	1.61	−2.26	4.32	0.53	6.7	8	12	7	12
1916	38.5	− 3.8	88	− 4	4.88	+1.01	9.88	2.49	9.0	13	11	7	13
1917	41.9	− 0.4	85	− 3	**6.58**	+2.71	**14.20**	3.10	11.6	14	14	4	13
1918	46.5	+ 4.2	85	9	4.26	+0.39	9.37	1.55	0.1	9	16	5	10
1919	44.5	+ 2.2	81	12	2.92	−0.95	4.81	1.60	0.8	9	16	6	9
1920	42.8	+ 0.5	83	− 5	3.38	−0.49	8.87	1.40	3.1	9	17	5	9
1921	**52.7**	+10.4	90	10	2.84	−1.03	5.75	0.63	T.	10	14	8	9
1922	45.0	+ 2.7	85	0	5.33	+1.46	8.19	1.40	3.3	15	10	5	16
1923	41.7	− 0.6	82	− 4	3.23	−0.64	5.50	0.88	3.2	10	15	5	11
1924	38.9	− 3.4	83	4	4.16	+0.29	7.86	1.60	9.9	11	10	7	14
1925	43.6	+ 1.3	82	−12	3.25	−0.62	6.59	1.00	2.2	11	12	6	13
1926	35.9	− 6.4	75	− 9	2.87	−1.00	9.82	0.35	10.0	13	10	7	14
1927	45.4	+ 3.1	89	5	2.66	−1.21	4.97	0.20	1.0	9	11	6	14
1928	41.4	− 0.9	86	− 3	3.87	0	7.64	1.32	16.3	12	10	9	12
1929	46.7	+ 4.4	92	− 2	3.47	−0.40	6.65	1.27	4.8	12	12	6	13
1930	40.3	− 2.0	79	0	3.21	−0.66	6.03	0.20	6.9	11	14	6	11
1931	37.4	− 4.9	68	10	3.52	−0.35	7.95	1.90	9.0	16	4	6	21
1932	36.6	− 5.7	80	− 3	5.32	+1.45	9.79	2.25	8.0	13	8	8	15
1933	40.5	− 1.8	80	− 4	5.92	+2.05	11.59	1.59	5.1	15	8	6	17
Period	42.3	......	94	−13	3.87	....	14.20	0.04	5.7	12	11	7	13

Climatological Data for March, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	33.9	−4.3	71	14	4	6	50	6.56	+1.92	1.04	15.5	20	10	5	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	39.0	−3.4	70	14	6	11	50	2.40	−0.07	0.50	T.	10	13	0	18	n.	Elmer Keister
Circleville	Pendleton		1								3.90		0.79	3.1	15					Moses R. Bennett
Harpers Ferry	Jefferson	244	44								3.46	+0.52	0.83	2.0	9					J. C. Newcomer
Kearneysville	Jefferson	548	3	40.0		73	14	15	11	37	4.40		1.04		12	10	12	9	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	[a]40.2	−1.6	75[a]	14	17	11	41[a]	4.51	+1.33	1.35	1.0	11	23	1	7	w.	Dr. H. S. Gardner
Moorefield [m]	Hardy	900	37	42.4		74	14†	8	11	45						11	0	7		M. S. Henkel
Piedmont	Mineral	1,053	20	36.9	−5.0	73	14	13	11	45	4.82	+1.95	1.35		11	11	10	10	se.	C. A. Suter, Jr.
Romney	Hampshire	824	35	[a]37.8	−4.9	76[a]	14	14	11	44[a]	4.69	+1.88	1.23		8	8	6	17		George E. Bergdoll
Stony River Dam	Grant	3,300	13								5.84	+2.71	1.15	17.0	17	5	3	23	w.	A. C. Becker
Upper Tract[b]	Pendleton	1,230	34	38.4	−4.4	68	17	13	6	45	1.59	−0.53	0.50		7					J. M. Mallow
Wardensville	Hardy	1,200	12	[a]38.3		73[a]	14	14	11	43[a]	2.68	+0.48	0.65	0.2	9	8	7	16	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9								6.12		1.02	4.9	20	4	10	17	w.	L. Else Bond
Alma (near)	Tyler	800	6								6.77		1.48	2.0	18	5	8	18		D. N. Furbee
Alpena	Randolph	2,571	3	34.4		64	14	1	11	52	7.08		0.76	23.5	19	5	7	19	w.	Christian Hertig
Benson	Harrison	1,080	9	39.8		72	20	6	11	49	6.56		1.10	5.0	19	8	17	6		John A. Clark
Bens Run	Pleasants	652	31	41.8	−2.0	75	20	14	11	37	6.01	+2.01	1.30		14	13	8	10		Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	41.8		73	19	9	11	49	5.52		0.85		18	9	12	10		George M Meyers
Bruceton Mills	Preston	1,549	16								9.03	+5.33	2.75	4.0	12	4	10	17		Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	40.2	−1.9	72	20	10	11	41	6.25	+1.77	1.04	4.0	14	10	7	14		H. A. Darnall
Cairo	Ritchie	680	32	42.0	−3.0	76	20	8	11	52	7.48	+3.52	2.23	0.3	14	7	7	17		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	39.6	−1.1	73	14†	7	11	50	6.16	+3.24	1.46	0.2	20	6	9	16	nw.	Clarksburg Water Board
Crawford	Lewis	1,107	10								6.26		1.06	2.9	17	6	10	15	nw.	George W. Blair
Creston	Wirt	640	31	41.6	−2.8	73	20	11	11	47	7.30	+3.44	2.46		15	4	2	25		P. M. Basnett
Dam 10 Mon. R.	Marion	826	12								6.81	+3.04	2.84	2.0	18					Lockmaster
Dam 12 O. R.	Ohio	660	17								6.64	+3.24	1.74		14					Lockmaster
Dam 13 O. R.	Ohio	655	17								7.70	+4.58	1.97		16					Lockmaster
Dam 15 Mon. R.	Monongalia	882	12								6.42	+3.01	1.82	3.0	16					Lockmaster
Davis	Tucker	3,093	24								6.88	+2.43	0.99	25.5	26					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21								7.35	+3.62	2.20	T.	16					Lockmaster
Elkins	Randolph	1,947	32	37.6	−2.4	69	14	4	11	50	6.30	+2.50	1.22	12.3	22	2	11	18	nw.	U. S. Weather Bureau
Fairmont	Marion	883	27	[a]39.6	−2.3	76[a]	14	10	11	48[a]	7.21	+3.37	1.77	7.2	19	5	10	16	w.	J. C. Robinson
Glenville	Gilmer	738	39	43.2	−1.7	74	19†	15	6	50	6.74	+2.60	1.66	0.5	17	9	9	13		Howard R. Brannon
Grafton	Taylor	1,000	40	40.2	−1.5	74	20	8	11	48	7.01	+3.13	1.55	6.5	17	7	0	24		W. E. Clayton
Horner	Lewis	1,044	10								7.35		1.50		19					Foster R. Hardman
Horton	Randolph	2,840	8								4.27		0.60	9.0	16	10	4	17	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	41.6		73	19†	8	11	53	6.18		1.34		15	10	4	17	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	40.2	−2.6	74	20	6	11	54	6.55	+2.67	1.36	3.0	15	7	6	18	w.	Allen Smith
Mannington	Marion	985	30	39.6	−3.2	70	14†	7	11	42	7.76	+3.90	1.70	7.3	18	5	9	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	39.0	−3.4	70	14	10	11	38	8.58	+5.06	1.91	3.5	17	9	8	14	nw.	Bruce Davis
New Cumberland	Hancock	671	35	37.6	−2.1	73	14	11	11	39	5.24	+1.99	1.25	2.5	17	7	4	20	n.	C. H. Hesse
New Martinsville	Wetzel	634	39	42.6	−1.0	77	20	11	11	45	8.13	+4.48	2.46	T.	14	10	2	19	n.	Wm. Ankrom
Parkersburg	Wood	638	46	42.2	−0.6	73	14	14	11	38	6.43	+2.94	2.05	0.5	15	5	5	21	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	38.8	−1.5	70	14	6	11	51	7.70	+3.58	1.50	5.5	15	3	10	18		J. W. Swisher
Philippi	Barbour	1,550	36								5.20	+1.13	1.47	2.5	18					H. F. Brittinham
Pickens	Randolph	2,697	30	[a]36.8	−2.7	68[a]	30	− 4[a]	11	44[a]	11.59	+5.71	1.78	41.0	21	7	4	20	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10								5.97		1.00	9.3	18	12	2	17		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46								7.31	+2.97	1.82	12.5	19					Walter H. Bolyard
Saint Marys	Pleasants	577	24								6.66	+2.93	1.88		17					Wm. Hughes
Terra Alta	Preston	2,559	32																	J. J. Shanahan, E. M.
Thomas	Tucker	2,950	4								6.42		1.12	19.5	22					H. L. Stiles
Valley Chapel	Lewis	1,011	10	42.0		75	21	9	11	45	5.91		0.88	1.0	17	11	1	19	w.	J. C. Campbell
Vandalia	Lewis	1,120	10								6.95		1.67		14					James B. Kelley
Wellsburg	Brooke	668	26	39.4	−0.6	74	14	8	11	45	7.01	+3.72	1.60	T.	14	5	10	16		George P. Pfister
West Milford	Harrison	979	8								4.94		1.20		12					Miss Dicie E. Wagner
Weston	Lewis	1,026	38	41.8	−2.3	72	20	11	11	40	6.98	+2.73	1.70	1.5	19	3	18	10		A. Henry
Wheeling	Ohio	645	46	[c]37.9	−3.2	76[c]	14	5[b]	11	43[d]	6.90	+3.77	1.97	T.	15	3	7	21	nw.	Miss M B. Forsyth
Woodlands	Marshall	637	6								6.76		2.10	T.	16	6	2	23	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7								4.42		0.75	5.0	15	10	6	15	w.	H. S. Sutton
Bancroft	Putnam	574	29	[a]42.1	−2.3	78[a]	20	15	11	46	4.90	+1.12	1.73	T.	14	8	0	23	ne.	Charles N. Long
Beckley	Raleigh	2,440	30	41.8	−1.1	68	31	8	11	44	4.57	+0.81	0.96	2.8	20	5	11	15		L. A. Mauck
Bluefield [d]	Mercer	2,558	38	42.4	−2.4	72	18	14	11	39	3.33	−0.07	1.06		13	5	7	15		Norfolk & Western Ry.
Charleston	Kanawha	600	30	[e]44.9	−3.1	80[e]	20	13[e]	11	44[e]	5.69	+1.39	2.30	T.	14	7	0	24		D. J. M. Cook
Clay	Clay	706	17								5.56	+1.62	1.62	T	18					Chilton Wilson
Dam 6 G. K	Kanawha	598	6								4.77		2.30		12					Lockmaster
Dam 19 O. R.	Wood	600	17								6.19	+2.41	1.57		16					Lockmaster
Dam 20 O. R.	Wood	600	17								7.38	+3.57	2.20		15					Lockmaster
Dam 26 O. R.	Mason	564	17								6.69	+3.03	1.90		16					U. S. Engineers Office
Durbin	Pocahontas	2,724	1								5.36		1.40	8.0	11					Mrs. D. R Gandinees
Gary	McDowell	1,426	17	43.2	−0.1	73	18	16	11	48	3.62	+0.01	1.07		13					U S. Coal & Coke Co.
Hinton	Summers	1,431	36	43.3	−1.2	75	16	16	11	52	4.32	+0.45	1.11	0.2	13	10	8	13		Mrs. M. L. McClung
Huntington	Cabell	538	36	45.6	+0.6	78	20	18	11	41	4.41	+0.24	1.89	T	12	7	6	18	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	14								6.79	+3.94	1.65		12					J. O. Brown
Kayford	Kanawha	1,335	17								6.46	+2.28	1.74	1.3	17					Cabin Creek. Con Coal Co
Kermit	Mingo	579	7								6.13		1.85		9					E. B. Kirk
Kingston	Fayette	1,481	3								5.84		1.94	2.0	11					Claud J Wriston
Lewisburg	Greenbrier	2,250	33	40.3	−2.0	65	13†	13	11	40	3.86	+0.21	1.98	T.	9	10	10	11		Rose Argabrite
Logan	Logan	700	30								5.86	+1.07	2.20		11					J. R. Wampler
Madison[a]	Boone	675	12	44.2	+1.5	78	20	17	10	45	5.24	+1.06	1.90		13	12	1	17		**T. A. Stout**
Marlinton	Pocahontas	2,131	34	34.4	−3.9	62	14	6	11	44	5.79	+1.53	1.70	3.5	13	4	17	10	sw.	S. L. Brown
Point Pleasant	Mason	595	40	43.5	−2.1	76	14	15	11	40	5.72	+1.66	1.68	T.	14	7	7	17	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	39.0		68	20†	7	11	47	5.19		1.12	7.0	19	15	3	13		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	42.7	−1.6	74	20	14	11	40	5.60	+1.85	2.00		15	6	0	25	nw.	Lockmaster
Richwood	Nicholas	2,193	3	39.8		67	15†	8	11	41	6.75		1.25	17.0	21	9	0	22	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	42.0	−2.4	78	20	14	10†	38	4.26	+0.44	1.32		13	11	0	20		M. Frazier
Ryan	Roane	700	30	41.0	−2.3	75	20	9	10	52	5.30	+1.18	0.98	2.2	18	6	7	18		Wm E. Ryan
Sharples	Logan	889	13								5.68	+2.09	1.92		7					R. W. Howard
Spencer	Roane	789	29	41.6	−1.7	75	20	13	11	47	6.82	+3.01	1.92	1.0	17	5	6	20		A. M. McKown
Sutton	Braxton	850	27	42.4	+0.7	73	19†	10	11	53	7.20	+3.11	1.15	7.0	19	11	0	20		C. B. Eakle
Union [d]	Monroe	2,250	29	41.0	−2.9	66	31	10	11	45	2.79	−0.64	1.55	1.0	7	10	8	9		W. M. H. Young
Wayne	Wayne	598	6								5.14		1.28		15					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	38.6	−4.9	62	14†	10	10	34	4.40	+1.30	1.40		8	17	2	12		A. P. Spence
Williamson	Mingo	673	33	45.0	−2.1	75	20	21	11	44	5.22	+0.85	1.66	T.	14	8	8	15	se.	J. E. Dotson
State averages and	extremes			40.5	−1.8	80	20	− 4	11	54	5.92	+2.05	2.75	5.1	15	8	6	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for March, 1933

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard|||	Potomac		.10		.20		.20			.25	.30	.14		1.04	.23	.60			.54	.76	.30	.40	.06	.10	.05	.10	.72	.40				.07	6.56
Brandywine	do	T.	T.	T.	T.			.30	.10					.15	.05	.25			.30	.40	.50	.30										.05	2.40
Circleville	do		.12		.03	T.			.36	.04	.13		T.		.59	.43	.04			.79	.41	.52	.03	T.	.25		.12					.04	3.90
Harpers Ferry |||	do							.10	.69						.83	.14	T.			.42	.72	.43	T.				.11					.02	3.46
Kearneysville	do							.59	.31					.69	.35	.39			.12	.70	.68	.30		.05		.07						.15	4.40
Martinsburg |||	do							.24	.60	.05					1.35	.33				.40	1.00	.22			.05		.22					.05	4.51
Moorefield	do																																
Piedmont	do							.65	T.	.08	T.			1.35	.36	.57			.48	.34	.22	T.	T.	.16		.47	T.	T.				.14	4.82
Romney|||	do								.45	.20					1.10	.57				1.23	.63	.26									.25		4.69
Stony River Dam	do	.09	.18	.09	.09			.23	.31	.18	.26				1.15	.75				.90	.50	.63		.02	.02	.18	.26						5.84
Upper Tract	do								T.		.11	.10	T.			.50				.40	.20	.18			.10							T.	1.59
Wardensville|||	do		T.		T.	T.			.44	.05	T.				.48	.08				.58	.65	.25	T.	T.	.11	T.	.04	T.					2.68
Northern Division																																	
Aberdeen	Monongahela	T.	.06	.08	.03			.31	.25	.10	.06			1.02	.26	.76			.77	.56	.10	.91	.01	.20	.11	.19	.21					.13	6.12
Alma (near)	Ohio			.02				.48	.10	.09	.16			1.48	.02	.91			.93	1.03	.36	.50	.02	.10		.12	.25				.02	.18	6.77
Alpena	Monongahela	.20	.30	.30	.30			.65	.15		.20	.10		.67	.23	.76			.73	.56	.38	.41	.34	T.	.10	.20	.50						7.08
Benson	do			.06	.02			.26	.46	.16	.08			1.10	.13	.77			.84	.85	.12	.82	.04	.10	.08	.25	.22					.20	6.56
Bens Run	do							.43	.10	.10				1.30	.50	.37			.92	1.00	.35	.30				.28	.15				.05	.16	6.01
Brownsville	do		.05	.04				.35	.23	.08	.05		.75		.10	.68		.85		.75	.05	.84	T.	.04	.20	.18	.14					.14	5.52
Bruceton Mills	do	T.	.20	.28	T.			.39	T.	T.	1.00	T.		2.75		1.22			.50	.45	.59	.62	T.	T.	T.	T.	.76					.27	9.03
Buckhannon	do		.10	.18	T.			.33	.15	.22	T	T.	.78		.25	1.04			.74	.82		.66	T.	.30	T.	.25	T.					.43	6.25
Cairo	Little Kanawha		T.		T.			.70	.10	.12	.05			.97	.20	2.23			.87	.99		.66		.07		.29	.10					.13	7.48
Cheat Bridge|||	Monongahela																																
Clarksburg|||	Little Kanawha	T	.01	.04	.01			.10	.34	.32	.11			.32	1.28	.63	.01		.03	1.43	.20	.64		.03	.16	.01	.33					.16	6.16
Crawford|||	do		.02	.06				.31	.14	.08	.05			.63	.40	.95			1.06	.68	.07	.99		.26	T.	.25	.13					.18	6.26
Creston|||	Monongahela							.18	.55	14	.09			.28	.72	1.06			.20	2.46		.76		.08	.28	.05	.30					.15	7.30
Dam 10, Mon. R.|||	Ohio		.02	.15	.02			.09	.28	.38	.21			.06	2.84	1.11	T.			T.	.26	.78	.06	.04	.08	T.	.34	.03				.06	6.81
Dam 12, O. R.|||	do		T.	T.	T.			T.	.54	.19	T.			.22	1.74	1.15				1.48	.15	.85	.01	.01	.03		.22	.02				.03	6.64
Dam 13, O. R.|||	Monongahela		.02	.01					.63	.15	.01			.10	1.85	1.97				1.58	.10	.94	.01	.02	.03		.20					.08	7 70
Dam 15, Mon. R.|||	do		T.	.05	T.	T.		.08	.23	.21	.05			.10	1.82	1.20	T.			1.25	.20	.66	.06	.01	.05	T	.39	T.				.06	6.42
Davis |||	do	T.	15	.22	.07	.09	.07	.06	.47	.24	.19	.10	.03	.10		.99	.12	.45	.50	.98	.65	.45	.25	.08	.02	.05	.20	.10				.25	6.88
Elizabeth (D'm 3 LK)	Little Kanawha			T.	T.			.25	.51	.14	.03			.66	.83	1.21	.03		.03	2.20		.72	T.	.07	.11	.06	.30					.20	7.35
Elkins***	Monongahela	.02	.30	.16	.04			.20	.24	.15	.20	.01		.77	.51	.57			.81	.57	.40	.27	.01	.50	T.	.21	.21	T.			.01	.14	6.30
Fairmont|||	do		.02	.20	.05	T.		.22	.20	.25	.10		T.	.15	1.77	1.19			T.	1.25		.78	.05	.05	.25	.09	.45	.05				.09	7.21
Glenville |||	Little Kanawha			T	.04	T.		.14	.46	.15	.09			.07	.90	1.06	.04		T.	1.66	T.	1.05	T.	.03	.44	.06	.27	.08				.20	6.74
Grafton |||	Monongahela	T.	.20	.18	T.			.35	.20	T.	.22	T.		1.55	.17	.83			.73	.78	.10	.70	T.	.20	.05	.30	.25	.20				T.	7.01
Horner	do	.05	.10	.07	.03			.15	.05	.10	.03			.92		1.50			.80	.90	.75	1.00		.20	.14	.20	.21					.15	7.35
Horton	do	.10	.24		T.			.22	T.	.10	.25	T.		.40	.08	.52			.60	.39	.30	.32	T.	.24		.10	.34					.07	4.27
Janelew (near)	do			.05				.35	.18	.15	.10			1.34		.78			.85	.80	.10	.83		.20		.20	.15					.10	6.18
Lost Creek	do	T.	T.	T.	T.			.46	.18	.11	.14	T.		1.36	.13	.76			.83	.95	.12	.92	T.	.11	T.	.24	.12					.12	6.55
Mannington	do		.03	.04	T.			.38	.18	.16	.11	T.		1.70	.42	1.08			.67	.74	.52	.85	.04	.10	T.	.27	.27					.20	7.76
Morgantown	do	T	.15	.05	T.			.15	.10	.15	.05		T.	1.91	.64	1.00			.76		.18	.70	.90	.50	T.	.80	.38					.16	8.58
New Cumberland|||	Ohio		T.	.02	.02				.68	.28				.18	1.07	.62			.04	1.11	.14	.57	.03	.11	.05	T.	.25	.02				.05	5.24
New Martinsville	do							.62	.10	.09		T.		2.46	.60	1.08			.70	.90	.35	.50		.10		.28	.20					.15	8.13
Parkersburg* **	do	T.	T.	T.	T.			.54	.15	.02	T.	T.		1.75	.69	.34			1.22	.83	.23	.05	T.	.11		.33	.01	T.			.11	.05	6.43
Parsons	Monongahela		T.	.20	.10				.50	.45		.05		.40	.40	.35	.75		1.25	1.50	.50		.20	T.	T.	.25					T.	.80	7.70
Parsons No. 2	do																																
Philippi	do		T.	.25	.03	T.		.02	.16	.37	.02	T.		.20	.14	.98	.02			1.47	.16	.39	.02	.08	.29	T.	.39	T.				.21	5.20
Pickens	do	T.	.40	.60	.30			.73	.50	.44	.40			1.00	.50	.92			1.11	.67	.60	.68	.10	.23		.47	1.00	.10	.10			.74	11.59
Roanoke	do		.02	.01	T.			.37	.15	.11		.02		.74	.29	.90			.90	.75	.05	1.00		.32	.04	.11	.04					.15	5.97
Rowlesburg|||	do		.04	.19	.04			.09	.20	.40	.30			T.	1.82	.70	.24			1.29	.45	.51	.09	.04	.08		.71	.05				.07	7.31
Saint Marys|||	Ohio			.02	T.	T.		.10	.70	.10	.03			.50	.93	.98			.12	1.88	.03	.53	.03	.09	.03	T.	.45		T.			.14	6.66
Terra Alta	Monongahela																																
Thomas |||	do		.18	.21	.11	.04		.17	.12	.14	.01			.05	1.12	1.10	.06			1.05	.49	.35	.13	.08	.51	.02	.30	.02				.16	6.42
Valley Chapel	do	T.	T.	T.	T.			.30	.32	.18	.10	T.		.88	.22	.82			.80	.73	.07	.75	01	.15	.04	.06	.35					.13	5.91
Vandalia	do							.33	.17	.15				.66	.42	.85			.90	.76	.15	1.67			.41	.19	.13					.16	6.95
Wellsburg	Ohio		T.	T.	T.			.68	.20	.12				1.60	.46	1.23			.42	.90	.12	.80	T.	.12	T.	.21	.06					.09	7.01
West Milford	Monongahela						.10			.40	.20			1.20	.20	.70			.82	.72	.20			.15		.10						.15	4.94
Weston	do	T	T.	.06	.03			.10	.51	.42	.12			.08	.98	.94				1.70	.21	.75	.08	.12	.21	.06	.38	.12	T.			.11	6.98
Wheeling|||	Ohio		.01	T	T.				.65	.22	T.	T.		.22	1 75	1.20			T	1.48	.18	.87	.01	.02	.03		.21	.01				.04	6.90
Woodlands|||	do							.02	.65	.18	T			.06	2 10	.92			.01	1.40	.15	.79		.04	.05	.01	.32	.01				.05	6.76
Southern Division																																	
Arbovale	Great Kanawha	T	T	.10	T			.54	T.	.15	.05	T		.50	.05	.37			.75	.27	.48	.32	T.	.16	T.	.35	T.		.20			.13	4.42
Bancroft |||	do		T.	T	T			.07	.42	.12				.12	.24	1.12				1.73		.55		.04	.20	.10	.13			.02		.04	4.90
Beckley	do	T.	.05	.06	.07			.25	.10		.04	.06		.08	.28	.50			.96	.54	.51	.55	.04	.13		.21	.04	.03				.07	4.57
Bluefield	do							.44	.08	.02	.05				.12	.78			.01		1.06	.45			.03	.07		.20				.02	3.33
Charleston |||	do					.21		.11	.36	.05	T.		.18		.32	.85				2.30	.20	.31		.02	.14	.04	.60					T.	5.69
Clay|||	do			T.	T.			.18	.45	.20	.03			.26	.17	.92	.07			1.62	.14	1.10	.01	T.	.18	.03	.14	.04	.01			.01	5.56
Dam 6 G. K |||	do							.12	.38	.04					.16	.98				2.30	.10	.33	.02		.12	.04	.18						4.77
Dam 19 O. R. |||	Ohio		T.	T.	T.			.07	.43	.16	T.		T	.38	1.56	.51			.22	1.57	.03	.30	T.	.04	.14	.03	.59		.01			.15	6.19
Dam 20 O. R. |||	do				T.			.20	.50	.15	T.	T		.40	1.40	1.45			.18	2.20	.08	.21	T.	.02	.09	.03	.30					.17	7.38
Dam 25 O. R. |||	do							.24	.43	.12	T			.38	.57	.79			.18	1.93	.06	.07		.04		.06	.23		.14			.12	5.36
Dam 26 O. R. |||	do							.20	.37	.40	.01			.20	.55	1.65			.05	1.90	.03	.64		.06	.28	.05	.28					.02	6.69
Durbin	Great Kanawha		.04	.10	.05				.50	.15					.85	.67				1.40	.50	.25					.85						5.36
Gary |||	Big Sandy				T.			.06	.40					.03		1.07		.01	.02	.94	.09	.85	.01		.03	.03	.08						3.62
Hinton|||	do	T.	T.	T.	.03	T.		.13	.28	.09	.05				.02	.95				1.11	90	.43	T.	T	.08	T.	.24	T.				.01	4.32
Huntington	Ohio			T.	T.			.32	.02	.02	T.			.18	.32	.85			1.17	.72	.33	T.		.19		.26						.03	4.41
Kanawha Falls|||	Great Kanawha					.20		.25	.68	.20			.20		.52	.93				1.65	.21	1.15			.18		.62						6.79
Kayford|||	do	T.	T.	.01	.03	T			.65	.11	.10			.03	.36	1.31	.02			1.74	.18	1.33	.04	.01	.29		.23	T.	.02				6.46
Kermit|||	Big Sandy							.60						.20	.80	1 70				1.85		.50			.22		.18					.08	6.13
Kingston	Great Kanawha		T.	T	T	T.		.36	35	.12	.20			.23	.50				.75	1.94	.68	.41					.30						5.84
Lewisburg	do		T.		T.			.14	T.		T.				.79	.40			.12	1.98	.15	.08		T.		.11						.09	3.86
Logan|||	Guyandotte							.03	.59	.05					.83	1.13	T.			2.20	T.	.42		.05		.18	.20					.18	5.86
Madison	Great Kanawha						.10	.66				.18	.04	.36	1.00				1.90	.07	.40		T.	.15	.05	.15						.18	5.24
Marlinton	do	T.	T.	T.	T.			.64	T.		.05			.42	.12	.74			.84	.86	.56	.46	T.	.24	T.	.25	.05					.56	5.79
Point Pleasant|||	Ohio							.22	.38	.16	.02			.36	.34	1.14			.46	1.68		.22			.24	.08	.32					.10	5.72
Rainelle	Meadow Creek		.01	.06	.05			.52	.17	.06	.11	.01		.12	.55	.62			1.12	.62	.18	.48		.10	.02		36		.03				5.19
Ravenswood (Dam 22	Ohio|||							.15	.26	.08				.40	.60	.90			.37	2.00	.03	.22		.03	.10		.21		.10			.15	5.60
Richwood	Great Kanawha		.12	.12	.09			.35	.33	.16	.04			.12	1.25	.75			1.01	.76	.10	.73	.03	.17	.07	.05	.39		.02			.09	6.75
Robertsburg|||	do								.27	.07				.31	.47	.76			.17	1.32	.02	.26		.03	.40	.07	.11		T.			T.	4.26
Ryan	do			.10	.03			.48	.17	.07				.32	.25	.80			.98	.61	.51	.20		.33		.16	.05	.15			.02	.07	5.30
Sharples|||	Coal River							.62							.85	1.13				1.92	.02	.42						.72					5.68
Spencer |||	Great Kanawha			T.	T.	T.		.15	.39	.23	.10	T.		.30	.66	1.30			.04	1.92	.06	.78	T.	.05	.35	.07	.17		.11			.14	6.82
Sutton	Gauley	T.	.10	.10	.10	.10		.45	.25	.15	.10			.30	.50	1 00			1.05	1.00	.10	1.15		.15		.25	.20					.15	7.20
Union	do		T.	.10	T			.24	T						.30	.37			.14		1.55	.09		T.		T.							2.79
Wayne|||	Big Sandy							.12	.21	.09	.01			.03	.76	.87				1.03	1.28	.06	.22	.02	.12	.12	.20						5.14
White Sulpr. Spgs.|||	Great Kanawha						.25	.30							.80				1.40	.80	.20					.25						.40	4.40
Williamson|||	Big Sandy				T.	T.		.02	.42	.03	.05				.85	1.66	T			1.13	.04	.51	.02	.03	.11	.11	.24					T.	5.22

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	38	28	29	30	32	54	48	40	38	32	28	47	54	71	65	48	60	50	40	45	40	37	35	30	40	37	42	40	44	60	60	43.3
	Minimum	27	22	24	24	20	4	29	30	25	9	6	22	30	52	28	21	28	30	36	32	28	25	28	21	15	25	12	28	22	16	40	24.5
Brandywine	Maximum	47	40	35	34	45	60	52	50	50	42	40	60	65	70	65	50	67	62	50	51	42	47	44	42	37	40	55	50	51	65	60	50.6
	Minimum	23	25	30	30	15	10	33	32	32	18	6	22	27	50	42	19	35	36	40	35	27	30	27	25	20	28	22	27	23	18	41	27.4
Kearneysville	Maximum	45	38	42	43	45	51	49	49	45	44	35	50	50	73	69	47	67	61	46	40	48	45	41	38	36	38	50	51	50	58	50	48.2
	Minimum	35	31	33	33	29	22	36	38	35	19	15	23	30	39	39	28	30	38	37	33	36	34	30	31	24	31	34	40	29	27	43	31.7
Martinsburg*	Maximum	46	40	45	47	47	55	47	52	50	37	40	53	45	75	57	50	70	51	49	40	50	45	38	41	40	43	55	55	55	60	..	49.3
	Minimum	30	32	33	34	30	22	35	35	36	20	17	19	30	34	40	28	30	33	39	34	34	35	32	32	25	30	31	37	31	29	37	31.1
Moorfield	Maximum	51	43	44	43	46	60	59	49	52	47	39	60	65	74	74	57	71	67	..	..	..	..	..	..	..	..	..	..	..	..	..	55.6
	Minimum	25	29	34	32	31	15	37	32	33	19	8	26	28	40	41	26	31	38	..	..	..	..	..	..	..	..	..	..	..	..	..	29.2
Piedmont	Maximum	44	35	35	34	37	52	45	42	43	31	32	52	49	73	63	47	63	59	43	37	41	39	36	33	30	35	47	43	47	58	51	44.4
	Minimum	29	29	33	31	28	18	33	37	31	15	13	26	30	28	37	27	29	38	37	33	34	32	31	29	22	30	24	31	28	25	43	29.4
Romney*	Maximum	44	37	40	41	43	60	43	47	47	26	37	54	66	76	50	53	68	45	41	39	45	46	36	39	40	39	54	50	52	64	..	47.4
	Minimum	29	30	31	31	28	17	24	36	20	17	14	20	27	32	48	27	28	30	38	34	34	31	30	30	22	25	28	32	29	23	28	28.2
Upper Tract	Maximum	38	..	35	33	..	56	52	44	..	24	..	59	58	56	44	52	68	..	41	47	..	47	..	33	35	..	48	49	52	65	60	47.6
	Minimum	34	..	30	29	..	13	20	39	..	20	..	20	29	40	39	24	33	..	36	33	..	43	..	27	28	..	22	24	25	20	42	29.1
Wardensville	Maximum	44	37	36	43	43	55	45	47	49	37	37	53	64	73	62	54	68	48	46	39	45	46	37	36	41	40	43	54	56	63	..	48.0
	Minimum	32	29	32	32	27	15	25	31	34	18	14	20	21	37	44	27	27	35	38	33	35	32	26	30	21	27	27	30	25	20	43	28.6
Northern Division																																	
Alpena	Maximum	35	25	38	27	33	55	46	41	38	31	26	49	55	64	60	41	55	55	54	62	53	37	43	30	31	37	41	43	62	61	56	44.6
	Minimum	23	20	23	22	19	3	34	27	23	8	1	22	32	51	28	20	30	31	44	40	21	22	28	20	15	23	15	21	18	20	42	24.1
Bens Run	Maximum	42	39	40	44	41	59	49	49	48	35	33	56	58	71	58	58	62	57	70	75	56	45	38	42	47	44	53	50	53	64	65	51.6
	Minimum	33	31	33	32	25	22	37	33	30	15	14	23	34	55	23	25	27	43	49	53	34	32	33	31	32	33	24	35	26	32	42	32.0
Buckhannon	Maximum	38	34	38	35	35	57	57	45	44	39	31	52	61	69	65	47	61	59	70	72	56	45	43	35	46	44	47	48	46	65	65	50.0
	Minimum	28	27	30	30	20	16	37	32	36	16	10	27	33	57	34	25	32	41	54	56	33	30	32	27	28	30	24	33	24	25	25	30.5
Cairo	Maximum	50	[illegible]	40	40	39	64	61	50	50	42	31	58	55	74	72	50	65	65	71	76	74	48	48	45	45	46	52	53	55	67	67	54.6
	Minimum	23	27	27	32	[illegible]	12	33	33	30	15	8	19	29	49	36	21	26	40	51	52	35	32	32	30	51	29	23	26	21	24	45	29.3
Clarksburg*	Maximum	41	36	37	35	40	[illegible]	54	45	44	53	33	56	67	73	59	50	64	59	71	73	50	45	35	37	47	37	52	48	51	56	66	50.5
	Minimum	23	28	28	31	25	13	21	33	30	15	7	17	29	50	36	22	29	37	[illegible]	49	39	31	31	29	29	30	23	32	21	24	35	28.7
Creston	Maximum	42	39	40	37	40	61	56	50	48	40	34	58	60	71	68	49	65	61	71	73	55	50	48	44	48	44	50	57	52	61	65	52.8
	Minimum	24	30	32	31	16	14	36	33	30	16	11	22	30	50	34	22	27	42	52	51	33	32	33	29	32	33	27	28	23	25	46	30.5
Elkins	Maximum	36	27	31	30	33	59	55	45	41	25	30	54	64	69	58	49	62	59	62	67	51	43	41	31	42	34	45	43	45	67	62	47.1
	Minimum	26	25	27	26	18	9	39	31	26	11	4	27	33	52	28	24	35	37	49	46	28	27	28	25	23	26	20	28	25	22	49	28.2
Fairmont*	Maximum	40	35	36	32	42	66	53	47	43	30	35	57	65	76	60	53	65	58	66	73	48	43	36	35	41	38	55	48	55	67	..	49.9
	Minimum	23	29	29	31	28	18	25	38	30	15	10	18	27	38	38	24	30	38	44	46	41	30	31	28	29	31	25	34	24	25	32	29.3
Glenville	Maximum	50	37	40	38	38	65	63	48	49	44	56	48	42	64	64	71	68	62	74	74	59	50	50	45	49	50	55	52	55	67	69	54.7
	Minimum	24	30	33	32	17	15	35	34	32	17	21	33	36	35	49	24	28	41	52	55	34	33	32	30	31	33	24	30	23	25	48	31.8
Grafton	Maximum	47	35	35	35	39	63	54	45	44	44	31	54	53	70	69	49	65	59	60	74	66	43	43	36	45	43	50	48	51	63	64	51.0
	Minimum	24	28	30	30	17	15	35	32	29	15	8	21	30	52	34	22	29	40	49	44	32	30	30	28	28	30	23	31	24	24	47	29.4
Lost Creek	Maximum	46	35	38	36	42	64	57	43	44	40	30	58	58	72	68	50	64	59	72	74	68	45	46	40	46	44	50	51	54	68	64	52.5
	Minimum	14	25	29	29	18	10	32	30	29	12	6	19	30	55	34	20	27	36	50	50	32	29	29	27	27	29	20	29	19	20	45	27.8
Mannington	Maximum	45	34	37	35	37	37	50	45	[illegible]	35	31	51	55	70	67	47	61	56	68	70	57	42	40	36	44	43	50	48	49	63	64	49.4
	Minimum	23	29	32	30	28	15	31	33	30	14	7	18	30	51	32	22	28	40	59	48	33	31	31	30	30	31	24	31	22	24	46	29.8
Morgantown	Maximum	45	33	36	37	36	62	58	44	43	39	28	50	55	70	65	46	58	59	57	58	53	38	38	33	37	42	38	45	44	64	66	47.6
	Minimum	32	27	30	28	26	29	43	31	33	12	10	22	44	53	30	23	35	35	35	40	31	29	29	28	28	25	25	34	25	26	48	30.5
New Cumberland*	Maximum	41	37	39	39	40	56	47	47	38	[illegible]	31	53	64	73	50	46	60	49	57	59	45	42	35	35	41	41	51	44	49	61	63	47.2
	Minimum	21	28	30	31	28	18	19	34	29	[illegible]	11	16	25	46	35	24	28	33	38	44	42	31	29	29	26	29	24	29	25	20	31	28.1
New Martinsville	Maximum	50	38	39	41	48	61	55	50	50	37	34	60	58	72	69	58	72	72	70	77	58	43	40	38	47	46	55	49	54	65	66	54.0
	Minimum	27	30	33	30	24	19	34	33	20	15	11	20	33	51	34	25	32	42	47	51	34	32	32	30	31	32	27	35	24	28	48	31.1
Parkersburg	Maximum	41	36	39	35	37	59	50	51	42	27	32	58	65	73	56	47	64	62	71	71	54	47	38	41	50	41	52	47	51	62	66	50.5
	Minimum	32	31	33	30	27	21	41	34	27	15	14	23	49	56	32	26	33	44	56	54	33	33	32	31	31	34	29	35	30	34	52	33.9
Parsons	Maximum	37	30	33	32	45	63	51	43	43	43	32	53	63	70	62	52	62	55	60	68	56	43	34	35	38	40	49	46	48	69	50	49.0
	Minimum	27	25	28	28	25	12	[illegible]	31	29	12	6	26	41	55	30	25	29	39	39	40	30	28	29	28	25	29	20	31	25	22	34	28.7
Pickens	Maximum	37	32	33	27	50	..	[illegible]	47	43	[illegible]	29	50	60	65	59	52	64	55	[illegible]	67	53	43	46	33	39	35	45	43	48	68	62	47.7
	Minimum	21	20	22	23	12	..	37	37	23	12	-4	15	37	56	30	18	37	27	48	49	25	22	25	18	19	23	10	18	19	24	47	25.8
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..			..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wellsburg	Maximum	49	36	39	37	43	[illegible]	57	47	48	38	33	55	57	74	69	48	61	58	62	61	56	35	37	37	41	43	52	47	52	62	69	50.4
	Minimum	23	30	32	31	28	[illegible]	31	32	29	13	8	16	27	50	33	21	26	34	47	[illegible]	33	31	30	30	26	31	22	21	20	25	47	28.5
Weston	Maximum	40	39	35	35	40	58	56	51	44	39	35	55	[illegible]	[illegible]	65	40	65	64	[illegible]	72	69	45	44	40	48	47	46	48	52	66	65	52.0
	Minimum	25	28	30	30	20	18	40	32	30	[illegible]	11	25	[illegible]	54	[illegible]	25	[illegible]	40	[illegible]	[illegible]	35	30	30	28	30	31	25	32	25	28	48	31.5
Wheeling*	Maximum	44	40	42	37	47	48	45	[illegible]	[illegible]	35	42	[illegible]	64	78		..	65	54	69	70	41	40	37	39	44	44	55	50	57	65	..	50.2
	Minimum	16	25	27	27	24	15	25	25	24	8	5	20	[illegible]	[illegible]	3	.	..	35	38	35	35	25	26	25	25	25	21	31	20	22	40	25.6
Southern Division																																	
Beckley	Maximum	43	38	36	35	42	48	53	49	48	45	43	59	65	67	64	[illegible]	[illegible]	67	67	65	[illegible]	62	58	56	52	47	50	49	51	67	68	54.5
	Minimum	23	20	23	24	20	17	35	30	25	13	8	26	[illegible]	52	[illegible]	18	35	44	50	45	27	25	28	22	28	27	24	33	25	27	49	29.0
Bluefield	Maximum	50	38	30	30	..	59	50	49	48	45	43		[illegible]	64	64	51	63	72	.	67	57	52	58	47	45	..	55	54	54	69	65	53.5
	Minimum	27	22	24	25	..	20	39	32	31	16	14	..	29	54	34	25	41	45	..	[illegible]	36	27	41	24	30	..	25	36	29	32	52	31.2
Charleston*	Maximum	50	38	45	..	46	65	63	55	55	36		..	75	78	62	52	48	..	75	80	52	54	52	48	..	59	54	57	55	69	79	57.8
	Minimum	24	31	32	34	..	22	23	31	35	22	13		..	43	42	27	28	37	.	48	41	35	37	32	33	.	31	32	31	32	35	32.0
Gary*	Maximum	44	31	35	[illegible]	49	66	62	53	51	31	44	65	69	70	67	[illegible]	67	73	70	71	55	57	64	54	54	41	60	53	55	64	72	56.2
	Minimum	19	27	28	30	28	18	21	36	27	20	16	20	37	42	47	21	25	34	45	53	38	32	34	30	30	35	25	28	27	30	33	30.3
Hinton*	Maximum	45	34	35	34	50	61	57	51	51	35	41	71	69	74	69	75	69	63	65	60	49	60	63	49	46	39	56	55	60	66	70	55.6
	Minimum	23	28	28	30	27	19	25	37	35	20	16	19	27	37	45	26	[illegible]	34	45	49	44	32	34	29	29	33	29	31	31	29	32	31.0
Huntington	Maximum	48	40	41	39	46	63	55	54	53	43	39	63	68	75	73	49	68	62	73	78	56	53	50	45	57	47	55	56	55	60	71	56.0
	Minimum	30	29	34	34	[illegible]	22	43	37	33	19	18	27	45	59	39	27	33	46	56	56	35	34	35	31	33	30	31	35	29	34	50	35.2
Lewisburg	Maximum	44	42	46	42	45	56	55	47	48	46	37	58	65	65	65	50	65	64	59	59	59	52	57	40	40	37	47	49	51	64	62	52.1
	Minimum	25	27	29	20	20	16	37	34	31	15	13	22	33	53	36	20	25	26	24	43	33	29	33	25	28	29	22	28	25	35	45	28.5
Madison	Maximum	47	35	39	37	45	67	59	..	51	32	53	65	71	75	44	50	68	60	72	78	45	56	67	47	54	42	57	54	57	69	76	55.8
	Minimum	29	30	32	29	20	22	34	..	21	17	23	35	47	39	26	27	36	48	52	38	33	36	30	31	36	29	30	28	30	40	51	32.6
Marlinton	Maximum	46	40	42	40	42	52	46	42	42	32	36	54	60	62	54	46	60	56	54	52	46	44	50	34	32	30	42	42	44	60	54	46.3
	Minimum	10	12	12	10	12	8	30	30	26	10	6	18	24	50	30	18	22	32	42	40	26	22	24	20	24	22	16	24	18	16	38	22.4
Point Pleasant	Maximum	50	46	40	40	40	58	58	57	46	40	55	60	62	76	70	52	68	64	73	70	62	52	45	48	50	48	50	52	55	58	70	54.7
	Minimum	25	28	31	30	25	18	38	35	30	16	15	20	36	54	36	25	32	45	52	45	38	30	32	28	32	32	27	32	28	28	58	32.3
Rainelle	Maximum	41	34	39	28	41	54	50	47	46	41	36	59	62	66	66	45	63	62	61	68	64	62	63	44	44	44	45	48	51	68	64	51.9
	Minimum	20	22	25	26	21	9	37	31	28	13	7	20	28	49	31	18	27	35	45	24	25	26	27	22	25	27	18	29	24	21	45	26.0
Ravenswood	Maximum	50	39	41	39	39	56	55	50	51	42	33	57	61	71	68	53	67	63	72	74	57	49	49	44	50	50	45	50	51	61	66	53.3
	Minimum	21	36	32	31	23	16	39	33	31	16	14	23	35	54	35	24	31	44	52	53	34	33	33	29	33	31	26	29	24	29	50	32.1
Richwood	Maximum	46	42	31	31	39	56	55	46	43	41	36	54	63	65	67	51	63	64	66	67	57	47	52	41	39	39	45	44	48	66	66	50.6
	Minimum	21	24	26	26	22	15	38	31	29	13	8	34	31	52	32	22	32	40	45	47	31	27	30	23	29	24	15	30	24	26	48	28.9
Robertsburg*	Maximum	54	38	40	48	50	58	64	71	42	37	41	50	67	76	57	49	52	63	75	78	55	54	42	48	62	47	50	62	46	53	58	54.4
	Minimum	22	29	30	32	16	20	30	34	31	14	14	21	32	46	36	18	19	36	46	53	37	33	35	30	30	34	27	28	24	27	33	29.6
Ryan	Maximum	50	35	35	45	48	65	50	50	45	45	56	55	65	70	60	53	60	58	70	75	55	50	45	45	50	40	50	50	60	60	65	53.6
	Minimum	20	30	29	26	16	13	39	30	25	9	14	22	39	50	30	18	25	38	48	49	30	29	29	25	31	29	21	26	21	24	44	28.5
Spencer*	Maximum	46	35	39	37	41	61	54	50	47	37	33	60	68	72	49	51	67	61	73	75	56	52	37	43	54	40	49	51	49	64	68	52.2
	Minimum	21	29	30	31	19	16	40	33	31	17	13	26	31	47	38	22	20	42	46	56	40	32	35	29	31	32	25	30	24	27	50	31.1
Sutton	Maximum	49	39	37	37	41	66	66	49	47	46	34	60	66	71	71	50	66	66	73	73	73	50	50	40	44	44	50	50	54	65	68	54.7
	Minimum	21	29	32	31	16	13	42	33	32	16	10	25	30	58	37	22	32	40	51	33	35	31	30	29	31	31	23	30	24	24	40	30.0
Union	Maximum	56	43	32	32	..	60	57	46	50	48	37	..	65	65	60	52	65	65	..	64	52	53	59	58	45	..	49	50	55	65	66	53.7
	Minimum	21	22	25	25	..	15	38	31	30	14	10	..	23	53	35	20	29	39	..	42	33	27	32	24	28	.	22	28	26	26	45	28.3
White Sulphur Spgs.	Maximum	45	36	35	33	42	52	50	47	52	30	39	58	60	62	50	50	57	58	58	46	44	54	50	47	38	36	46	50	55	62	62	48.5
	Minimum	25	25	28	19	11	22	34	30	18	10	26	32	38	45	18	26	37	44	40	40	29	32	26	32	27	19	30	29	21	37	42	28.8
Williamson*	Maximum	47	36	40	39	48	68	57	52	51	36	44	64	70	74	57	55	68	67	72	75	58	57	62	50	57	45	59	57	58	68	74	56.9
	Minimum	25	28	30	34	28	24	26	38	35	23	21	25	29	45	44	29	30	37	48	54	38	35	37	32	32	38	30	31	30	32	40	33.2

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-28-33—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

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ROBERT P. POWELL, Meteorologist

VOL. XLI   PARKERSBURG, W. VA., APRIL, 1933   No. 4

GENERAL SUMMARY

The month was warmer and considerably wetter than usual. Precipitation occurred frequently and was well distributed throughout the month, the greatest amounts being received in the northeastern panhandle section and mountain districts, and the least in the western counties and extreme southern section. The highest temperatures occurred generally on the 10th, 29th, and 30th, and the lowest readings were noted on the 13th, 22d, 23d, and 27th. Freezing temperatures and heavy to killing frosts were reported from practically all sections on the 23d and 24th, causing slight damage to peach, cherry, and plum bloom. The snowfall was unusually light, measurable amounts being reported from the mountain districts. Owing to frequent rains the month was unfavorable for farm work. Plowing and planting were considerably retarded, and at the close of the month were about three weeks behind the average. Wheat, rye, and pastures were in excellent condition and making good growth. Potatoes were being planted and oats being sown in some of the drier localities. A severe local wind storm occurred at Weston, Lewis County, during the afternoon of the 6th. The roof of one building was blown off, and a sign and skylight of a lumber company were destroyed, with a loss of approximately $2,200.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 52.8°, or 1.0° above the April normal. Cool weather prevailed on the 4th, 7th, 8th, 12th, 13th, and from the 17th to the 28th, with the lowest readings occurring generally on the 13th, 22d, and 23d. The temperature was much above the normal on the 1st and 2d, 9th and 10th, 14th, 16th, and on the 29th and 30th. The highest monthly mean temperature was 57.2° at Charleston, and the lowest, 46.7° at Marlinton. The highest temperature was 91° at Charleston on the 30th, and the lowest, 19° at Bayard on the 22d, making the monthly range for the State 72°. The greatest daily range was 53° at Wardensville on the 24th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 4.08 inches, which was 0.55 inch more than the normal. The precipitation was the heaviest over the mountain districts and lightest in the western counties and southern section. Heavy precipitation occurred generally on the 11th and 12th, and from the 18th to the 20th. Light snow was general in the mountain districts on the 12th, and from the 18th to the 21st. The greatest monthly precipitation was 6.34 inches at Pickens, and the least, 2.44 inches at Hinton. The greatest amount in any 24 consecutive hours was 2.00 inches at Upper Tract on the 20th. The average number of days with .01 inch or more of precipitation was 13.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Brooke, 26th; Harrison, 6th; Monongalia, 4th; Preston, 24th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Bancroft, 3d; Mannington, 13th and 17th; Stony River Dam, 11th.

Halos, lunar: Parkersburg, 4th; Pickens, 5th.

Sleet: Parkersburg, 7th; New Cumberland, 8th; Wardensville, 20th; Wellsburg, 7th.

Thunderstorms (dates and number of stations reporting): 2d, 3; 3d, 1; 5th, 1; 6th, 9; 7th, 3; 10th, 1; 25th, 7; 26th, 1; 28th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.93	30.31	12	29.52	6	8.8	27	s.	30	79	61	63	56
Columbus, Ohio	29.93	30.32	13	29.53	6	11.6	35	sw.	11	74	57	63	52
Elkins	29.98	30.48	13	29.51	6	7.6	28	w.	6	75	41	59	52
Lexington, Ky	29.95	30.33	12	29.60	5	13.6	37	sw.	30	75	64	....	58
Parkersburg	29.97	30.41	13	29.55	6	6.8	23	w.	2	74	52	57	59
Pittsburgh, Pa	29.96	30.41	13	29.50	25	10.4	30	nw.	26	71	50	54	56
Wytheville, Va	29.95	30.40	13	29.56	6	7.9	27	w.	2	72	51	60	51

COMPARATIVE DATA FOR APRIL

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	52.0	+0.2	......	......	2.81	−0.72	......	......	......	....	....	....	....
1892	50.6	−1.2	87	17	4.28	+0.75	......	......	......	7	....	....	....
1893	53.4	+1.6	92	20	5.18	+1.65	8.98	2.91	0.8	14	8	8	14
1894	50.6	−1.2	90	14	3.32	−0.21	5.30	1.97	1.6	11	12	8	10
1895	52.9	+1.1	90	17	2.93	−0.60	5.47	0.90	......	9	11	9	10
1896	**57.7**	+5.9	95	12	2.06	−1.47	4.35	0.82	......	8	13	12	5
1897	51.5	−0.3	90	19	2.97	−0.56	7.10	1.58	......	9	11	10	9
1898	48.0	−3.8	86	2	3.14	−0.39	4.86	1.40	......	11	10	9	11
1899	53.4	+1.6	93	18	1.84	−1.69	3.17	0.92	0.5	7	13	9	8
1900	51.8	0	88	16	**1.35**	−2.18	2.08	0.43	T.	8	14	7	9
1901	47.5	−4.3	95	18	**7.05**	+3.52	**10.70**	2.50	6.0	12	10	4	16
1902	49.8	−2.0	96	21	3.06	−0.47	4.57	1.53	10.0	7	10	10	10
1903	51.3	−0.5	91	8	4.47	+0.94	7.30	2.29	0.4	11	11	8	11
1904	47.7	−4.1	82	12	3.15	−0.38	5.71	1.12	1.3	12	9	9	12
1905	52.2	+0.4	89	14	2.78	−0.75	5.57	1.10	1.5	11	11	9	10
1906	54.1	+2.3	92	15	3.16	−0.37	6.59	0.57	0.3	8	15	8	7
1907	**45.6**	−6.2	92	10	3.49	−0.04	6.66	1.42	6.1	12	8	8	14
1908	54.8	+3.0	92	18	4.30	+0.77	8.02	0.77	0.3	11	13	8	9
1909	53.0	+1.2	93	10	5.04	+1.51	8.57	1.70	2.4	13	10	11	9
1910	53.2	+1.4	91	16	3.39	−0.14	9.07	1.63	0.6	11	10	8	12
1911	49.5	−2.3	88	6	4.29	+0.76	7.00	0.83	1.5	14	9	8	13
1912	55.4	+3.6	88	20	4.03	+0.50	8.00	1.09	0.2	10	11	10	9
1913	52.4	+0.6	92	12	2.99	−0.54	5.48	1.61	0.1	10	14	6	10
1914	52.1	+0.3	93	16	4.63	+1.10	10.05	1.29	0.1	11	10	9	11
1915	55.5	+3.7	**101**	10	1.93	−1.60	5.69	**0.10**	T.	7	15	8	7
1916	50.5	−1.3	90	17	3.07	−0.46	5.70	1.25	4.3	12	9	7	14
1917	51.7	−0.1	90	10	2.99	−0.54	5.31	1.29	1.8	9	13	8	9
1918	50.3	−1.5	85	18	5.11	+1.58	9.14	1.88	10.4	15	9	7	14
1919	51.8	0	90	10	2.44	−1.09	4.21	1.03	0.2	9	12	8	10
1920	49.7	−2.1	91	15	4.91	+1.38	7.26	1.64	1.2	14	8	7	15
1921	55.7	+3.9	95	10	2.50	−1.03	5.09	0.40	0.4	9	13	7	10
1922	54.4	+2.6	91	15	3.15	−0.38	6.76	0.50	0.1	9	13	7	10
1923	50.1	−1.7	88	**− 4**	3.45	−0.08	4.88	1.00	0.1	8	16	5	9
1924	50.5	−1.3	88	12	3.24	−0.29	6.37	0.72	3.6	12	12	6	12
1925	54.9	+3.1	**101**	6	2.89	−0.64	4.48	1.42	0.6	10	14	6	10
1926	47.1	−4.7	87	8	2.44	−1.09	5.54	0.80	2.5	10	10	8	12
1927	52.0	+0.2	91	16	5.93	+2.40	10.21	2.52	0.2	15	9	7	14
1928	48.6	−3.2	88	11	5.08	+1.55	8.00	2 57	11.4	12	11	7	12
1929	55.4	+3.6	94	18	4.54	+1.01	8.78	2.09	0.8	13	12	7	11
1930	53.2	+1.4	98	13	1.95	−1.58	4.16	0.39	1.0	9	14	7	9
1931	50.7	−1.1	88	18	4.12	+0.59	6.24	2.13	3.3	10	14	5	11
1932	50.9	−0.9	88	18	2.21	−1.32	4.42	0.57	0.8	10	15	5	10
1933	52.8	+1.0	91	19	4.08	+0.55	6.34	2.44	0.2	13	13	7	10
Period	51.8	......	101	− 4	3.53	....	10.70	0.10	1.9	10	11	8	11

Climatological Data for April, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	47.8	+0.9	80	29	19	22	47	5.62	+1.32	1.18	4.0	13	17	7	6	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	52.0	+2.2	83	10	24	13†	48	4.20	+1.05	1.00	T.	9	16	3	11	sw.	Elmer Keister
Circleville	Pendleton	...	1	...	...	...	...	...	...	...	4.15	...	1.23	0.7	13	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	...	...	...	...	...	...	...	3.71	+0.57	1.05	0	13	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	3	52.8	...	81	29	28	23	40	3.76	...	0.85	0	10	15	12	3	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	[a]54.1	+2.5	86[a]	29	30	23	44[a]	4.83	+1.64	1.45	0	13	20	6	4	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	M. S. Henkel
Piedmont	Mineral	1,053	20	52.4	+1.8	82	29	29	13†	45	5.77	+2.17	1.30	0	11	15	10	5	se.	C. A. Suter, Jr.
Romney	Hampshire	824	35	[a]52.2	+0.4	87[a]	29	28	13†	52	5.59	+2.63	1.56	0	11	15	4	11	...	George E. Bergdoll
Stony River Dam	Grant	3,300	13	...	...	...	...	...	...	...	5.97	+1.99	1.22	9.5	15	7	6	17	w.	A. C. Becker
Upper Tract[1]	Pendleton	1,230	34	50.2	−0.8	80	29	25	13	47	5.85	+3.52	2.00	0	5	...	...	...	...	J. M. Mallow
Wardensville[b]	Hardy	1,200	12	53.1	...	82	29	24	23	53	4.61	+2.01	1.45	0	15	15	11	4	sw.	Reymaun Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	...	...	...	...	...	...	...	3.92	...	1.21	T.	13	8	11	11	w.	L. Else Bond
Alma (near)	Tyler	800	6	...	...	...	...	...	...	...	4.93	...	1.00	0	14	14	1	15	...	D. N. Furbee
Alpena	Randolph	2,571	3	47.2	...	79	29	20	13†	45	4.53	...	0.78	0.5	13	8	14	8	w.	Christian Hertig
Benson	Harrison	1,080	9	52.2	...	83	29†	25	13†	47	4.75	...	1.30	0	14	10	11	9	...	John A. Clark
Bens Run	Pleasants	652	31	54.9	+2.1	84	29	31	23	39	3.85	+0.09	0.72	0	13	17	8	5	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	54.2	...	84	29	22	13	48	4.59	...	0.84	0	14	14	11	5	...	George M Meyers
Bruceton Mills	Preston	1,549	16	...	...	...	...	...	...	...	3.94	+0.10	1.20	T.	6	11	9	10	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	52.8	+1.7	79	29	29	27	38	4.42	+0.16	1.07	T.	12	12	16	2	sw.	H. A. Darnall
Cairo	Ritchie	680	32	54.6	+0.3	84	10†	24	23	48	4.26	+0.73	0.80	0	14	12	7	11	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	52.4	+1.0	84	10†	27	24	46	4.19	+0.72	1.00	0	15	11	14	5	...	Clarksburg Water Board
Crawford	Lewis	1,107	10	...	...	...	...	...	...	...	4.39	...	1.13	T.	15	11	11	8	sw.	George W. Blair
Creston	Wirt	640	31	54.2	+0.7	84	29	27	27	44	4.44	+0.59	0.98	0	12	12	4	14	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	12	...	...	...	...	...	...	...	5.31	+1.83	1.62	0	14	...	...	...	...	Lockmaster
Dam 12 O. R.	Ohio	660	17	...	...	...	...	...	...	...	2.64	−0.52	0.81	0	13	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	17	...	...	...	...	...	...	...	3.19	+0.04	0.58	0	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	12	...	...	...	...	...	...	...	4.54	+1.25	1.53	0	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	24	...	...	...	...	...	...	...	5.33	+0.94	1.06	4.5	15	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	21	...	...	...	...	...	...	...	3.89	+0.55	0.92	0	15	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	32	50.1	+1.3	83	29	25	13	46	4.01	+0.39	0.93	T.	18	6	9	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	54.6	+2.8	89	29	29	13†	50	4.65	+1.31	1.41	T.	13	13	1	16	w.	J. C. Robinson
Glenville	Gilmer	738	39	55.2	+1.3	86	10†	28	27	47	4.35	+0.56	1.25	T.	16	16	5	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	53.8	+2.2	85	29	25	23	46	4.74	+1.01	1.25	0	13	12	3	15	...	W. E. Clayton
Horner	Lewis	1,044	10	...	...	...	...	...	...	...	3.20	...	0.72	0	13	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	8	...	...	...	...	...	...	...	4.10	...	0.84	T.	10	8	8	14	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	53.9	...	83	10	25	23	48	3.55	...	0.95	0	11	14	7	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	52.6	+2.0	86	29	25	13†	50	3.82	+0.37	1.36	0	14	15	1	14	w.	Allen Smith
Mannington	Marion	985	30	52.5	+1.3	81	29	26	23	44	4.30	+0.46	1.59	0	13	12	6	12	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	53.4	+1.6	81	29	27	23	39	5.69	+2.43	1.00	T.	14	12	5	13	sw.	Bruce Davis
New Cumberland	Hancock	671	35	51.5	+2.2	84	10	27	23	41	3.54	+0.23	0.94	T.	15	8	9	13	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	55.3	+2.1	87	29	29	23	45	3.69	+0.18	0.60	0	11	9	11	10	n.	Wm. Ankrom
Parkersburg	Wood	638	46	54.3	+0.9	83	29	34	23	36	3.47	+0.28	0.86	0	11	10	13	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	53.2	+4.0	86	29	25	23	47	4.85	+1.01	0.92	0	8	12	7	11	...	J. W. Swisher
Philippi	Barbour	1,550	36	...	...	...	...	...	...	...	4.76	+0.78	1.09	0	15	...	...	...	...	H. F. Brittinham
Pickens[a]	Randolph	2,697	30	50.0	+1.8	84	29	23	23†	47	6.34	+1.13	1.05	1.0	15	14	7	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	...	...	...	...	...	...	...	3.28	...	1.10	0	13	17	2	11	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	...	...	...	...	...	...	...	5.52	+1.40	1.12	...	16	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	24	...	...	...	...	...	...	...	4.10	+0.40	0.99	0	14	...	...	...	...	Wm. Hughes
Terra Alta[k]	Preston	2,559	32	47.4	+0.5	78	29	21	23	42	...	...	...	...	...	2	9	8	...	Okey Alkire
Thomas	Tucker	2,950	4	...	...	...	...	...	...	...	5.83	...	1.19	0.5	14	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	10	54.1	...	83	29†	27	23	45	3.70	...	1.02	0	16	12	3	15	sw.	J. C. Campbell
Vandalia	Lewis	1,120	10	...	...	...	...	...	...	...	3.83	...	0.78	0	13	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	26	50.4	+0.8	84	10	23	23	43	3.79	+0.57	1.03	0	12	13	6	11	...	George P. Pfister
West Milford	Harrison	979	8	...	...	...	...	...	...	...	4.20	...	0.90	0	11	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	54.0	+1.2	83	29	30	27	39	4.37	+0.37	1.12	0	16	7	15	8	...	A. Henry
Wheeling	Ohio	645	46	53.2	+1.4	88	10†	24	22	48	2.84	−0.31	0.80	0	13	10	6	14	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	6	...	...	...	...	...	...	...	3.54	...	0.80	0	14	11	1	18	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	...	...	...	...	...	...	...	4.07	...	0.95	0.2	15	12	9	9	sw.	H. S. Sutton
Bancroft	Putnam	574	29	56.6	+3.1	86	30	30	24	45	2.77	−0.84	0.53	0	9	14	1	15	ne.	Charles N. Long
Beckley	Raleigh	2,440	30	...	...	...	...	24	13	...	3.46	+0.04	0.81	T.	17	6	15	9	...	L. A. Mauck
Bluefield[e]	Mercer	2,558	38	52.8	−0.8	79	10	30	13	35	2.61	−0.70	0.59	0	12	7	8	10	...	Norfolk & Western Ry.
Charleston	Kanawha	600	30	[e]57.2	+0.9	91[e]	30	34[e]	13†	50[h]	4.36	+0.63	1.22	0	15	15	0	15	...	D. J. M. Cook
Clay	Clay	706	17	...	...	...	...	...	...	...	3.45	−0.12	1.11	0	17	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	...	...	...	...	...	...	...	3.10	...	0.83	0	15	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	17	...	...	...	...	...	...	...	3.91	+0.39	0.96	0	14	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	17	...	...	...	...	...	...	...	2.94	−0.44	0.70	0	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	17	...	...	...	...	...	...	...	4.18	+0.90	0.75	0	15	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	...	...	...	...	...	...	...	3.04	...	0.95	0	9	...	...	...	...	Mrs. D. R Gandinees
Gary	McDowell	1,426	17	54.1	+0.5	84	10	29	13	43	3.09	−0.37	0.75	0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	54.8	+1.6	89	10	31	13	48	2.44	−0.78	0.69	0	13	19	5	6	...	Mrs. M. L. McClung
Huntington	Cabell	538	36	56.6	+0.2	86	10	33	8†	40	4.20	+0.67	0.86	0	13	8	16	6	w.	H. N. Robinson
Kanawha Falls	Fayette	618	14	...	...	...	...	...	...	...	3.87	+0.23	1.60	0	13	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	17	...	...	...	...	...	...	...	3.08	−0.93	1.10	0	18	...	...	...	...	Cabin Creek. Con Coal Co
Kermit	Mingo	579	7	...	...	...	...	...	...	...	4.45	...	0.75	0	11	...	...	...	...	E. B. Kirk
Kingston	Fayette	1,481	3	...	...	...	...	...	...	...	3.22	...	1.95	0	6	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	51.3	+0.7	80	10	26	27	46	2.80	−0.59	0.67	0	9	13	6	11	...	Rose Argabrite
Logan	Logan	700	30	...	...	...	...	...	...	...	3.75	−0.61	0.87	0	12	...	...	...	...	J. R. Wampler
Madison	Boone	675	12	55.0	+0.7	86	10	30	12	40	3.88	+0.04	0.91	0	15	17	2	11	...	W. E. Holy
Marlinton	Pocahontas	2,131	34	46.7	−0.2	78	29	20	13†	48	4.41	+0.91	0.94	T	14	6	17	7	sw.	S. L. Brown
Point Pleasant	Mason	595	40	55.2	+0.3	84	10†	30	8	42	3.96	+0.66	0.76	0	15	13	6	11	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	49.5	...	77	29	21	13†	49	3.70	...	0.90	0	16	10	9	11	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	55.0	+1.1	84	10†	29	8†	43	4.02	+1.02	1.07	0	15	8	0	22	sw.	Lockmaster
Richwood	Nicholas	2,193	3	51.4	...	81	11	23	24	47	4.30	...	0.99	T.	17	17	0	13	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	51.7	−1.4	84	29	28	8†	49	3.69	+0.18	0.80	0	17	20	0	10	...	M. Frazier
Ryan	Roane	700	30	50.4	−1.8	80	10	25	8†	46	3.55	−0.27	0.70	0	16	12	8	10	...	Wm E. Ryan
Sharples	Logan	889	13	...	...	...	...	...	...	...	3.49	−0.29	0.98	0	8	...	...	...	...	R. W. Howard
Spencer	Roane	789	29	53.6	+0.9	85	10	29	27	48	3.81	+0.35	0.90	T.	14	14	8	8	...	A. M. McKown
Sutton	Braxton	850	27	53.3	+0.5	85	29†	28	13†	49	4.95	+0.73	0.90	0	13	17	0	13	...	C. B. Eakle
Union[e]	Monroe	2,250	29	52.2	+0.4	82	10	25	13	48	2.58	−0.40	0.74	0	7	7	13	5	...	W. M. H. Young
Wayne	Wayne	598	6	...	...	...	...	...	...	...	3.83	...	0.95	0	12	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	50.0	−1.6	80	11	23	13	39	3.17	+0.18	0.95	0	9	21	1	8	...	A. P. Spence
Williamson	Mingo	673	33	56.0	+0.5	89	29	34	13†	47	4.04	+0.17	0.77	0	14	13	11	6	w.	J. E. Dotson
State averages and	extremes	...	...	52.8	+1.0	91	30	19	22	53	4.08	+0.55	2.00	0.2	13	13	7	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for April, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac	.10	.16		.11		.50	.34					.90			.39	.15		1.18	1.10	.06				.23		.40						5.62
Brandywine	do	.05	.15				.25	.45		.10			1.00					.75		.45	1.00					T.							4.20
Circleville	do	.16	.19	.17	.13		.07	.27				T.	.83				.20	1.03	T.	.08	.83					.07	.12						4.15
Harpers Ferry ||||	do	.11		.14	.08		.04	.22					1.05				.15	.88	.20	.01	.56	.21					.06						3.71
Kearneysville	do	.04	.10		.05		.13	.30					.82				.50	.85		.21	.76												3.76
Martinsburg ||||	do	.18	.15	.05	.05		.05	.65	T.		T.		.95				.10	1.45	.05	.05	.80	.30											4.83
Moorefield	do																																
Piedmont	do	.05	.03		T.		.58	.21		T.			1.00				.62	.40		1.30	1.06					.41	.11						5.77
Romney||||	do	.16	.26	.20			.13	.83					1.15				.13	.33			1.56	.72				.12							5.59
Stony River Dam	do	.16	.48	.20	.10		.24	.40					.70			.34	1.17	.34	.07	.09	1.22	.20					.26						5.97
Upper Tract	do	.10		T.									1.50					1.75	.50		2.00												5.85
Wardensville||||	do		.04	.12	.04	.01	.04	.45	.02				1.01					.97		.06	1.45	.31	.02		.03	.04	T.						4.61
Northern Division																																	
Aberdeen	Monongahela	.23	.17	.03	.28		.20	.50				.22	.99			T.	.31	T.	T.	.25	.13					.33	.28						3.92
Alma (near)	Ohio	.33	.11		.16		.41	.02				1.00	.45			.30	.41	.01	.17	.45						.86	.25						4.93
Alpena	Monongahela	.25	.22		.22		.20	.38				.06	.78				.60	.02		.70	.31					.38	.41						4.53
Benson	do	.15	.13	.02	.34			1.20				.14	1.30			.05	.17		.10	.15	.18					.54	.28						4.75
Bens Run	do	.19	.14				.37	.04				.72	.10			.39	.48	.01	.40	.45						.28	.28						3.85
Brownsville	do	.13	.12	.03	.20		.64	.50				.35	.84				.31	.07	.06	.36						.75	.23						4.59
Bruceton Mills	do		.36		.36			.93					1.04			T.				1.20						.05	T.						3.94
Buckhannon	do	.33	.25				.55	.33				.25	1.07				.35	T.	.10	.32	.15					.52	.20						4.42
Cairo	Little Kanawha	.26	.12		.15		.42	.06			.08	.18	.80			.40		.37	.31	.44						.44	.23						4.26
Clarksburg||||	do	.04	.10	.12	.31		.22	.97					1.00				.23	.04	.01	.20	.05		.02			.60	.28						4.19
Crawford||||	do	.33	.15		.25		.28	.36				.28	.85			T.	.34	.02	.21	.31	.09		.09			.63	.20						4.39
Creston||||	Monongahela	.06	.05		.35		.27	.30					.98				.57	.05	.05	.97						.59	.20						4.44
Dam 10, Mon. R.||||	Ohio	.08	.11		.59		.25	.34	.03				1.62				.31	.08	.03	.29	.76					.41	.41						5.31
Dam 12, O. R.||||	do	.04	.07	.08	T.		.27	.18	.08				.81				.31	.38		.21	.15					.03	.03						2.64
Dam 13, O. R.||||	Monongahela	.08	.07	.21	.08		.26	.34	.09		T.		.58				.41	.40		.25	.12					.05	.25						3.19
Dam 15, Mon. R.||||	do	.09	.06	.12	.40		.24	.29	.02				1.53			T.	.30	.09	T.	.26	.24	T.				.48	.42						4.54
Davis ||||	do	.30	.24	.30	.18		.35	.15	T				1.06				.10	.45	.05	.10	.76	.80				.10	.39	T.					5.33
Elizabeth(D'm 3 LK)	Little Kanawha	.03	.11	.08	.12		.33	.10	.01				.92				.61	.07	.10	.67	.01					.62	.11						3.89
Elkins***	Monongahela	.16	.22	.07	.06		.56	.14				.81	.12			.01	.40	.02	.32	.33	.02	T	.07		.06	.50	.14						4.01
Fairmont||||	do	.13	.10	.18	.40	T.	.24	.32	T.		T.		1.41				.37	.06		.30	.20					.47	.47						4.65
Glenville ||||	Little Kanawha	.10	.09	.18	.30		.22	.37	T.			.02	1.23				.31	.05	.08	.28	.16		.05			.62	.29						4.35
Grafton ||||	Monongahela	.18	.15	T	.26		.70	.20				1.25				.05	.45	.05	.05	.40						.55	.45						4.74
Horner	do	.25	.10	.07	.08	.20		.15					.72				.50	.23		.27	.30					.15	.18						3.20
Horton	do	.20	.13		.18		.22	.28					.83				.84	T.		.76	.34						.32						4.10
Janelew (near)	do	.15	.18		.28		.60	.20				.22	.95				.20			.17						.45	.15						3.55
Lost Creek	do	.18	.10	T.	.27		.37	.14				.33	1.03			.02	.36	T.		.12	.09		.04			.35	.42						3.82
Mannington	do	.20	.16	T.	.31		.50	.05				.65	.94			.10	.35		.10	.08						.43	.43						4.30
Morgantown	do	.10	.14	T.	.50		.25	.30				.70	.90			T	.25	.10	.10	1.00	.50					.40	.45						5.69
New Cumberland||||	Ohio	.05	.12	.13	.01		.46	.18	.07				.94			T.	.47	.43	.03	.26	.23	.01					.15						3.54
New Martinsville	do	.30	.25				.45					.60	.28			.36	.52		.28	.20						.15	.30						3.69
Parkersburg***	do	.08	.09	T.	T.		.46	T.				.71				.46	.41	.11	.32	.09					.21	.53					T.		3.47
Parsons	Monongahela			.92	.62												.60	.72	.30	.40	.60					.69							4.85
Philippi	do	.35	.23	.12	.34		.24	.64		.04			1.09				.27		.08	.31	.13	T.		.23		.41	.28						4.76
Pickens	do	.50	.60	.07	.33		.70	.34					1.05				.30	.02	.20	.74	.19		.03			.95	.32						6.34
Roanoke	do	.13	.12	T	.15		.37	.24	T.			.30	.80				.27	T.	.07	.23	.05					.36	.19						3.28
Rowlesburg||||	do	.23	.28	.14	.42	T.	.14	.78	.04				1.12				.16	.19	.05	.24	.83	.03				.28	.59						5.52
Saint Marys||||	Ohio	.10	.06	.15	T.		.37	.03	.02			T.	.86				.72	.06	.02	.99	.07					.30	.35						4.10
Thomas ||||	Monongahela	.17	.47	.22	.26	T.	.22	.78	T.				1.00				.15	.40		.20	1.19	.02				.27	.48						5.83
Valley Chapel	do	.14	.11	.02	.25		.42	.20				.15	1.02			T.	.31	.03	.05	.13	.12		.03			.46	.26						3.70
Vandalia	do	.32	.10		.17		.30	.24				.30	.78				.37		.32	.13			.12			.48	.20						3.83
Wellsburg	Ohio	.11	.17	T.			.66	.06				.50	.53			.12	.57	T.	.10	.35	.43						.19						3.79
West Milford	Monongahela	.15	.18			.30		.82				.30	.90				.30		.30		.10					.55	.30						4.20
Weston	do	.14	.22	.18	.24		.32	.62	.08			.04	1.12				.28	.10	.08	.22	.11		.07			.46	.17						4.37
Wheeling||||	Ohio	.05	.07	.09	T.		.27	.20	.08			T.	.80				.44	.21		.22	.14					.03	.24						2.84
Woodlands||||	do	.10	.20	.23	.01	.02	.30	.30	.08				.80				.60	.15		.40						.06	.29						3.54
Southern Division																																	
Arbovale	Great Kanawha	.33	.14	.14	.02		.22	.26					.95				.92	.01	.41	.50	.01	.01				.11	.04						4.07
Bancroft ||||	do		.05		.29	.21	.40					.53				.25		.52	.35							.17							2.77
Beckley	do	.33	.11	.10	.09		.26	.29				.56	.81			.04	.09	.08	.14	.09			.09		.06	.23	.09				T.		3.46
Bluefield	do	.29		.15	.18		.14	.28				.02	.42					.59		.33			.13			.03	.05						2.61
Charleston ||||	do	.10	.20	.07	.25		.10	.24		.32		.23	1.22			T.	.12	.23		.40	.15					.44	.29						4.36
Clay||||	do	.24	.10	.03	.41		.07	.34	.01			.07	1.11			T.	.04	.08	.02	.22	.05		.02			.38	.26						3.45
Dam 6 G. K ||||	do	.03		.09	.25		.15	.18			.16	.83				.12	.20	.02	.38	.25		.06			.25	.13							3.10
Dam 19 O. R. ||||	Ohio	.05		.10	.02		.41	.21	.01		T.		.58			T.	.96	.15	.11	.26	.15					.53	.37						3.91
Dam 20 O. R. ||||	do	.06	.02				.38	.08			T.		.70					.40	.10	.32	.25					.43	.20						2.94
Dam 25 O. R. ||||	do	.07	.03	.10	.02		.33	.10					.69			.03	.75	.21	.15	.33	.27					.42	.10						3.60
Dam 26 O. R. ||||	do	.17	.04	.08	.14		.31	.03					.60			.08	.75	.40	.20	.55	.25					.52	.06						4.18
Durbin	Great Kanawha		.25	.10			.16	.21					.95				.29	.10		.48	.50												3.04
Gary ||||	Big Sandy	.30	.06	.21	.30		.06	.75					.65				.35	.05		.17			.05			.09	.05						3.09
Hinton||||	do	.35	.01	.15	.12		.15	.23					.69				.27	.32		.03			.01	T.		.08	.03						2.44
Huntington	Ohio	.19	.12	T.			.42	.04				.83	.03			.47	.35	.23	.48	.03					.80	.21							4.20
Kanawha Falls||||	Great Kanawha	.10	.22	.10	.22			.40				.32	1.60					.05	.02	.32	.18		.10			.21							3.87
Kayford||||	do	.10	.01	.05	.25		.03	.46		.08	.07	.07	1.10				.08	.07	.02	.22	.06		.02			.32	.07						3.08
Kermit||||	Big Sandy		.12	.28	.28			.50				.65	.75				.45	.22		.56						.60	.04						4.45
Kingston	Great Kanawha	.25											1.95						.46			.06				.25	.25						3.22
Lewisburg	do	.28	.26		.39		.33	.31					.67				.26			.18			T.		T.	.12							2.80
Logan||||	Guyandotte	.18	.12	.05	.33			.57	T.			.25	.87				.25	.22		.42						.44	T.				.05		3.75
Madison	Great Kanawha	.06	.05	.19		.06	.89				.27	.91			T.	.22	.18	.03	.46	.04	T.	.03			.37	.12					T.		3.88
Marlinton	do	.42	.44	.34			.56	.22				.21	.94			T.	.42	.06	.30	.08	.12		.12			.18							4.41
Point Pleasant||||	Ohio	.14	.06	.10	.04		.34	.10					.68			.08	.76	.30	.14	.42	.20					.52	.08						3.96
Rainelle	Meadow Creek	.41	.05	.04	.19	T.	.46	.34				.12	.90				.80	.06	.14	.05	.01		.05			.44	.14						3.70
Ravenswood(Dam 22	Ohio||||	.10	.05	.07	.06		.32	.11					1.07			.02	.81	.15	.15	.50	.03					.49	.09						4.02
Richwood	Great Kanawha	.38	.25	.04	.30		.14	.60				.09	.90					.26	.12	.38	.08		.10		.01	.31	.28	.06					4.30
Robertsburg||||	do	.05	.03	.06	.04		.23	.18			.05	.03	.80			.09	.58	.30	.30	.31	.32					.28	.04						3.69
Ryan	do	.05	.16	.14			.45	.09				.70	.20			.10	.27	.13	.35	.35			.08		.08	.24	.16						3.55
Sharples||||	Coal River					.78						.24	.98			T.	.20	.32		.40			T			.45	.12						3.49
Spencer ||||	Great Kanawha	.04	.03	.10	.09		.25	.68					.90				.43	.04	.03	.65	.02		T.			.46	.09						3.81
Sutton	Gauley	.40	.25		.25		.40	.45				.45	.90				.25		.10	.35			.15			.65	.35						4.95
Union	do	.28		.24	T.		.34	.67					.74			T.		.20		.11	T.					T.							2.58
Wayne||||	Big Sandy	.09			.21		.20	.17				T.	.87			.16	.52	.20		.43	.01					.95	.02						3.83
White Sulpr. Spgs.||||	Great Kanawha	.40	.05		.30		.10	.65					.95				.27	.20		.25													3.17
Williamson||||	Big Sandy	.10	.12	.03	.34		.08	.77				.35	.76			.01	.42	.24	T.	.39						.34	.09						4.04

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.028	.052	.065	.108	.067	.086	.434	.081	.095	.168	.154	.126	.122	.112	.222	.056	.088	.125	.005	.096	.166	.188	.189	.144	.174	.169	.168	.155	.190	.177	....	4.010
	Wind movement	67	113	59	73	48	41	104	124	55	39	24	54	40	27	45	47	66	45	28	104	134	69	118	27	42	87	72	38	49	21	....	1,860

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for April, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	60	64	54	47	65	72	55	58	73	78	70	50	60	69	60	65	62	52	42	55	56	58	67	65	61	56	51	70	80	73	....	61.6
	Minimum	45	43	29	32	25	47	33	31	32	34	44	32	20	25	45	48	29	40	32	31	36	19	23	45	46	31	30	23	33	40	....	34.1
Brandywine	Maximum	65	67	70	60	70	74	62	70	80	83	80	62	70	71	70	64	67	68	60	47	57	65	63	75	70	60	62	70	82	75	....	68.0
	Minimum	44	40	32	37	27	44	40	39	35	39	44	30	24	28	43	45	46	32	40	30	30	34	24	27	50	42	28	26	38	40	..	35.9
Kearneysville	Maximum	66	69	62	56	64	67	62	64	70	73	50	55	62	66	63	60	72	70	65	46	60	61	56	73	70	66	59	70	81	76	....	64.5
	Minimum	44	50	37	41	34	48	44	40	39	41	41	40	30	35	43	50	57	46	45	37	33	37	28	33	53	40	32	33	50	49	....	41.0
Martinsburg*	Maximum	68	72	65	56	68	70	55	67	75	76	52	58	66	70	60	60	76	73	65	52	66	65	62	75	80	60	65	75	86	..	...	66.8
	Minimum	44	53	39	42	36	47	47	40	40	43	47	40	32	35	42	43	52	48	53	38	35	39	30	34	42	40	34	35	42	50	...	41.4
Moorfield	Maximum	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Piedmont	Maximum	60	69	56	50	65	69	56	61	77	79	68	53	63	72	70	60	76	72	54	45	63	61	63	73	72	65	56	75	82	77	...	65.4
	Minimum	44	49	33	40	30	41	40	38	40	46	47	37	29	33	46	51	57	38	45	38	32	43	29	30	50	30	31	30	41	48	....	39.5
Romney*	Maximum	64	72	61	50	67	75	49	66	78	80	55	52	66	68	65	63	73	72	55	50	61	64	65	77	70	55	61	77	87	..	....	65.6
	Minimum	41	44	32	41	29	38	42	35	39	47	47	38	28	32	41	47	53	39	50	37	29	39	28	29	50	38	31	29	35	53	...	38.7
Upper Tract	Maximum	..	69	56	50	66	67	..	..	79	79	..	50	65	68	65	..	67	64	..	35	53	..	..	73	70	60	60	..	80	78	....	64.4
	Minimum	..	48	32	38	27	28	..	..	36	37	..	38	25	30	50	..	46	34	..	30	29	..	..	27	49	45	30	..	33	46	....	36.1
Wardensville	Maximum	64	69	60	70	68	70	64	75	78	73	70	62	68	72	..	67	69	71	58	58	64	63	68	79	69	62	61	78	82	.	....	68.3
	Minimum	49	52	33	40	27	49	46	35	43	43	44	38	30	28	..	..	46	35	42	32	28	38	24	26	49	38	28	26	37	55	...	37.9
Northern Division																																	
Alpena	Maximum	57	61	51	44	65	71	54	56	72	75	70	52	63	67	57	68	64	59	50	42	56	57	57	66	59	49	51	68	79	71	...	60.4
	Minimum	44	43	28	30	25	34	29	30	32	35	50	31	20	29	44	48	40	29	37	32	32	38	20	23	44	32	29	23	34	51	...	33.9
Bens Run	Maximum	62	65	56	51	71	71	57	62	77	80	70	59	70	75	66	72	61	54	60	58	70	64	65	73	67	67	59	72	84	82	....	66.7
	Minimum	52	49	39	39	35	51	41	37	40	43	46	39	37	44	53	46	49	48	49	45	41	44	31	35	50	41	34	36	45	55	....	43.1
Buckhannon	Maximum	65	67	57	52	64	73	59	61	75	77	75	62	67	71	68	64	65	63	58	55	64	58	59	69	64	55	55	70	79	75	.	64.9
	Minimum	45	45	35	38	32	55	35	34	38	45	57	48	30	36	45	44	48	38	48	40	38	47	31	31	50	35	29	32	42	50	....	40.7
Cairo	Maximum	66	65	57	56	72	75	63	63	78	84	84	62	70	75	75	74	76	63	57	61	70	67	64	74	73	62	64	73	83	83	....	69.6
	Minimum	51	46	32	36	30	50	40	28	34	41	51	46	37	36	51	45	42	45	47	44	36	44	24	26	50	40	26	27	37	49	....	39.7
Clarksburg*	Maximum	59	65	57	49	72	75	61	63	77	84	67	59	69	74	61	68	65	62	60	52	66	56	63	72	66	52	58	72	84	78	....	65.5
	Minimum	49	47	33	38	30	40	39	37	36	42	52	38	29	34	50	53	41	37	49	41	39	45	29	27	40	39	29	30	38	50	. .	39.4
Creston	Maximum	60	65	56	55	73	74	59	67	78	81	79	57	69	74	69	74	72	59	56	61	70	65	65	73	78	60	60	73	84	82	....	68.3
	Minimum	50	43	33	36	31	51	38	28	35	40	43	36	29	58	51	50	44	47	46	45	35	45	28	29	44	41	27	30	45	49	....	40.2
Elkins	Maximum	62	65	55	46	70	75	45	61	74	79	71	49	66	70	62	63	65	60	53	47	62	56	59	68	62	51	54	71	83	73	....	62.6
	Minimum	47	39	34	31	28	45	32	33	34	40	37	31	25	46	54	54	40	33	42	38	38	36	26	27	48	32	30	29	37	61	....	37.6
Fairmont*	Maximum	62	67	59	49	75	77	45	67	81	86	68	69	79	77	61	70	70	63	58	52	73	62	69	73	68	52	62	78	89	79	....	68.0
	Minimum	53	48	36	39	31	33	39	37	38	47	56	38	29	41	52	53	47	38	45	42	38	46	29	31	45	38	31	32	46	56	....	41.1
Glenville	Maximum	67	66	58	56	77	78	62	68	79	86	84	63	73	78	70	73	74	67	62	60	68	65	64	75	72	59	63	76	86	84	...	70.1
	Minimum	53	48	36	40	33	31	38	30	37	42	53	38	30	37	52	53	42	41	46	44	36	18	29	29	50	41	28	32	39	52	....	40.3
Grafton	Maximum	65	65	56	53	76	76	56	63	76	82	79	58	70	76	71	67	59	62	58	50	71	63	64	70	70	66	55	75	85	81	. .	67.3
	Minimum	50	47	33	38	30	51	38	36	34	44	52	37	28	34	50	52	45	36	46	39	37	44	25	49	49	38	31	30	39	49	....	40.4
Lost Creek	Maximum	65	65	55	54	73	74	57	63	78	85	75	56	70	74	68	68	64	61	58	54	69	67	66	75	69	55	59	74	86	80	....	67.2
	Minimum	52	48	31	36	27	49	36	33	33	40	51	35	25	31	50	51	38	35	45	39	32	45	25	25	44	44	27	28	38	50	....	38.1
Mannington	Maximum	64	64	57	54	70	72	60	61	77	80	74	58	66	72	68	68	67	61	57	51	66	64	61	71	67	55	55	72	81	78	....	65.7
	Minimum	51	47	35	37	30	52	40	37	35	38	51	39	28	34	47	51	43	36	48	42	36	41	26	27	50	37	29	29	38	46	.. .	39.3
Morgantown	Maximum	62	63	55	55	69	72	66	47	77	80	72	53	63	72	66	63	69	69	64	47	65	62	58	70	66	58	54	70	81	80	....	64.9
	Minimum	44	44	40	35	31	52	36	35	47	51	51	33	33	33	54	53	48	43	42	40	39	43	27	32	49	36	32	40	53	60	....	41.9
New Cumberland*	Maximum	59	56	58	48	67	67	44	55	68	84	67	59	64	72	63	67	70	63	54	56	66	52	62	71	68	47	56	72	83	80	...	63.3
	Minimum	50	45	36	36	35	35	38	35	34	44	47	35	31	36	48	50	53	39	50	44	36	37	27	31	46	35	32	31	44	50	...	39.7
New Martinsville	Maximum	65	64	59	57	75	72	58	64	80	86	75	59	72	76	71	75	78	62	61	60	74	63	66	67	69	60	60	74	87	85	....	69.1
	Minimum	51	47	38	40	31	49	40	38	38	47	49	32	32	41	51	50	47	46	47	44	39	43	29	30	50	39	32	32	42	52	...	41.5
Parkersburg	Maximum	63	61	56	53	72	72	48	64	77	81	66	56	67	73	59	75	58	54	59	58	68	57	62	70	69	49	59	74	83	81	....	64.8
	Minimum	51	45	40	37	39	48	38	34	42	50	42	40	35	52	53	52	47	48	48	46	44	41	34	35	46	41	37	38	48	63	....	43.8
Parsons	Maximum	64	66	60	52	70	65	68	76	74	80	82	65	65	75	63	64	67	65	63	53	65	66	63	73	64	52	58	74	86	75	...	67.1
	Minimum	43	45	31	35	28	35	44	43	46	47	40	36	26	43	54	54	43	44	35	35	36	40	25	26	48	37	31	29	39	60	....	39.3
Pickens	Maximum	59	64	56	45	70	72	54	63	74	81	72	56	61	74	..	65	56	60	52	60	65	61	63	71	62	49	65	70	84	72	....	64.0
	Minimum	45	38	31	30	29	45	30	30	37	43	52	27	24	40	..	49	46	33	38	33	32	38	23	28	43	35	24	23	39	57	...	35.9
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	60	59	69	65	55	63	58	49	42	57	51	56	66	63	56	50	66	78	73	...	59.9
	Minimum	..	..	..	..	..	..		.	..	..	..	32	22	36	46	46	49	30	41	33	31	39	21	24	45	30	29	25	37	46	...	34.8
Wellsburg	Maximum	65	60	60	50	68	70	60	58	67	84	75	53	53	70	70	64	65	55	53	51	63	63	57	61	61	60	54	67	79	76	....	63.1
	Minimum	50	45	32	35	25	47	36	35	33	42	48	35	27	35	47	49	47	40	43	43	31	38	23	26	47	33	28	28	40	45	....	37.8
Weston	Maximum	55	58	55	54	68	72	70	58	75	82	80	60	70	72	70	68	66	58	59	58	66	65	57	70	69	64	59	73	83	81	....	66.5
	Minimum	50	45	36	40	32	50	35	35	38	45	50	38	31	36	50	56	44	40	48	43	38	48	32	31	50	40	30	34	44	52	....	41.4
Wheeling*	Maximum	60	62	60	52	75	71	58	65	80	88	70	68	72	78	65	72	81	68	63	56	62	67	67	76	71	55	62	74	88	82	...	69.0
	Minimum	50	41	50	32	28	40	34	32	34	42	50	31	28	54	40	45	44	38	45	38	32	24	27	28	44	30	26	26	40	45	....	37.3
Southern Division																																	
Beckley	Maximum	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	46	43	29	34	30	37	31	29	38	44	52	32	24	40	45	44	43	37	34	36	34	42	26	29	44	39	26	30	39	55	....	37.1
Bluefield	Maximum	62	..	65	54	63	72	65	66	..	79	75	60	64	65	60	..	64	65	62	55	63	66	..	68	64	64	61	70	77	..	....	62.7
	Minimum	46	..	35	34	34	49	34	40	..	44	56	35	30	45	48	.	41	41	44	39	36	43	..	34	45	42	31	35	46	..	....	38.7
Charleston*	Maximum	.	75	65	60	75	81	64	..	84	89	68	64	76	82	..	76	66	64	63	66	68	..	70	75	73	61	62	81	..	91	....	72.0
	Minimum	54	..	39	40	37	41	42	35	..	39	53	42	34	40	52	..	48	43	48	46	42	47	..	35	45	41	34	38	44	..	....	42.4
Gary*	Maximum	55	68	56	56	71	76	64	73	78	84	73	56	70	72	65	73	65	68	61	59	63	67	69	72	68	58	65	75	82	79	....	68.0
	Minimum	48	48	37	38	32	37	39	32	36	41	48	39	29	35	41	56	46	39	45	39	42	47	33	34	43	47	31	33	40	51	....	40.2
Hinton*	Maximum	57	70	56	60	70	76	61	75	82	89	70	61	74	73	60	70	68	70	61	56	66	71	75	73	72	59	70	82	86	81	....	69.8
	Minimum	47	47	38	39	33	36	39	36	38	41	47	40	31	34	42	53	47	40	42	40	41	44	34	34	38	36	32	35	40	48	....	39.7
Huntington	Maximum	64	64	59	59	76	72	57	72	83	86	78	61	73	77	70	71	62	56	55	63	69	64	65	74	73	62	63	76	84	84	....	69.1
	Minimum	52	42	37	41	39	53	38	33	44	47	60	39	34	49	52	55	45	50	47	46	44	49	34	34	42	43	33	37	45	59	....	44.1
Lewisburg	Maximum	62	65	52	52	64	73	67	68	74	80	76	78	76	66	62	63	62	64	59	49	55	64	65	69	64	62	61	70	74	78	....	65.8
	Minimum	42	45	33	35	29	49	36	35	34	39	35	32	32	34	48	53	41	34	42	39	32	44	29	27	48	28	26	30	32	40	....	36.8
Madison	Maximum	64	67	60	60	76	76	59	75	80	86	58	59	74	76	68	75	61	62	56	61	66	66	69	75	71	57	65	82	85	84	....	69.1
	Minimum	44	38	39	34	47	38	32	37	45	47	38	30	40	43	51	45	45	45	44	39	42	33	33	43	44	31	35	42	51	56	....	41.0
Marlinton	Maximum	56	62	54	46	60	68	54	62	70	76	66	52	60	64	56	58	58	58	58	46	56	62	66	68	66	50	64	66	78	68	....	60.9
	Minimum	42	44	28	32	22	40	32	22	28	38	40	30	20	24	38	46	36	38	38	34	30	40	22	20	38	38	22	24	30	40	....	32.5
Point Pleasant	Maximum	66	62	62	60	75	74	61	71	82	84	78	62	72	76	70	75	68	58	58	62	68	66	64	73	73	60	62	76	84	83	....	69.5
	Minimum	48	43	36	36	36	50	34	30	40	45	45	36	32	46	49	53	43	45	44	41	38	45	32	34	46	36	32	34	43	54	...	40.9
Rainelle	Maximum	50	64	50	53	66	70	56	68	74	71	64	64	63	64	64	65	61	60	53	49	59	62	65	70	63	61	61	73	77	72	....	63.1
	Minimum	46	39	30	34	25	48	34	28	29	35	51	35	21	31	49	51	43	30	37	40	37	41	23	21	45	39	24	25	32	53	..	35.9
Ravenswood	Maximum	66	61	55	56	68	69	62	66	74	84	82	58	65	73	73	74	72	59	54	62	63	70	64	73	71	62	60	74	83	84	....	67.9
	Minimum	51	45	37	36	37	52	37	29	39	46	52	38	36	46	51	54	45	43	46	44	38	47	30	30	49	40	29	33	42	59	....	42.0
Richwood	Maximum	68	67	52	50	65	72	65	65	73	79	81	61	63	68	62	65	63	63	56	54	58	60	58	70	73	66	58	72	78	78	....	65.4
	Minimum	45	41	32	34	30	30	32	29	34	40	55	32	26	44	52	47	46	33	42	39	35	43	32	23	45	39	26	30	36	52	....	37.5
Robertsburg*	Maximum	72	57	58	50	70	76	56	58	73	72	66	58	77	66	60	58	64	54	58	52	51	48	55	78	82	54	67	71	84	78	....	64.1
	Minimum	51	41	32	35	33	42	37	28	34	43	54	35	29	40	50	50	43	45	46	42	36	46	32	29	37	40	28	32	41	47	....	39.3
Ryan	Maximum	55	62	60	55	70	70	51	70	75	80	60	55	70	70	59	75	58	52	52	60	62	62	63	65	65	58	55	75	72	78	....	63.8
	Minimum	48	39	39	31	30	49	34	25	33	39	42	34	26	37	39	39	42	42	42	40	32	42	26	42	38	38	25	29	36	51	....	37.0
Spencer*	Maximum	58	66	58	55	74	75	47	67	79	85	64	68	74	71	61	75	61	54	54	62	67	62	65	74	69	50	60	75	84	81	....	66.5
	Minimum	55	46	36	37	36	41	35	30	32	44	48	39	30	40	56	52	47	50	46	44	38	39	31	30	50	43	29	33	36	49	....	40.7
Sutton	Maximum	68	57	57	56	74	74	60	68	76	83	83	68	72	73	73	72	72	66	55	60	63	63	64	73	73	65	60	78	85	85	....	69.2
	Minimum	41	46	33	39	30	43	36	29	32	35	34	38	28	35	50	53	41	39	39	44	36	47	29	28	30	40	28	31	38	50	....	37.4
Union	Maximum	65	..	68	52	64	76	77	68	..	82	81	56	62	66	69	..	63	65	63	60	55	65	..	73	66	77	63	73	80	..	....	67.6
	Minimum	45	..	33	35	30	49	33	39	..	34	50	34	25	37	48	..	45	33	42	38	35	42	..	28	45	41	26	29	37	..	....	36.9
White Sulphur Spgs.	Maximum	62	58	67	54	56	62	70	50	68	74	80	65	58	59	67	57	65	66	64	65	46	51	66	68	70	64	55	56	70	77	...	63.0
	Minimum	42	45	34	35	26	49	37	33	30	35	48	34	23	27	46	47	40	33	40	40	36	43	31	30	47	43	31	27	35	43	....	37.0
Williamson*	Maximum	57	67	59	60	74	75	62	75	80	84	68	60	73	74	70	73	59	62	59	68	70	68	71	73	72	60	63	78	89	84	....	69.6
	Minimum	52	46	41	41	37	42	43	36	39	44	49	39	34	38	46	52	46	46	46	44	43	46	34	38	45	46	35	38	42	45	....	42.4

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-23-33—900)

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WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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ROBERT P. POWELL, Meteorologist

Vol. XLI Parkersburg, W. Va., May, 1933 No. 5

GENERAL SUMMARY

The month was warm and unusually wet, being the second wettest May of State record, and the wettest month since June, 1928. The average monthly rainfall, 6.99 inches was nearly twice the normal. Monthly amounts exceeding 11 inches were reported from three stations. Although the month was unusually warm, the temperature averaging more than 3° above the normal, there were no exceptionally high temperatures. Light frosts were reported from scattered localities of the mountain districts on the 5th, 8th, and 22d. Many thunderstorms occurred and hail was noted at a number of stations. The average number of rainy days for the month, 18, was the greatest of May State record. On account of the continued wet weather during the first half of the month, field operations were practically at a standstill; during the last half, plowing and seeding progressed rapidly, and wheat, oats, potatoes, and pastures were in excellent condition and making good growth. There was considerable local damage by high winds and lightning. On May 1, a severe electrical storm occurred in Raleigh County. The storm was severe near Beckley, where 13 cows were killed by lightning. On May 26, high winds attending a thunderstorm, caused some damage to buildings, silos, and orchards in Greenbrier County, near Lewisburg.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 65.1°, or 3.4° above the May normal. The temperature was above the normal during most of the month with the highest readings occurring generally on the 20th, 24th, and 26th. The highest monthly mean was 70.2° at Williamson, and the lowest, 59.0° at Bayard. The highest temperature was 97° at New Cumberland on the 23d, and the lowest, 34° at Bayard on the 22d, making the monthly range for the State 63°. The greatest daily range was 50° at New Cumberland on the 23d.

PRECIPITATION

The average precipitation for the State, determined from 92 stations, was 6.99 inches, which was 2.98 inches more than the normal. The precipitation was the greatest over the central counties and mountain districts, and least in the southern section and the extreme northeastern counties. The greatest monthly precipitation was 11.36 inches at Buckhannon, and the least, 3.50 inches at Harpers Ferry. The greatest amount in any 24 consecutive hours was 2.62 inches at Logan on the 9-10th. The average number of days with .01 inch or more of precipitation was 18.

HAIL

Hail was reported from stations and on dates as follows: *Light:* Aberdeen, 11th and 21st; Arbovale, 29th; Creston, 20th; Lewisburg, 22d; Marlinton, 15th; Morgantown, 29th; New Cumberland, 20th; Parkersburg, 9th; Pickens, 2d and 16th; Richwood, 6th and 16th; Williamson, 9th. *Moderate:* Bens Run, Bruceton Mills, and Clarksburg, 30th; Huntington, 9th. *Heavy:* Gary, 21st; Ryan, 30th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 22d and 24th; Bens Run, 15th; Creston, 17th and 18th; Elkins, 9th, 18th, and 22d; Huntington, 15th; Pickens, 3d and 10th; Stony River Dam, 8th; Terra Alta, 5th.

Halo, lunar: Pickens, 2d.

Thunderstorms (dates and number of stations reporting): 1st, 9; 2d, 13; 3d, 4; 5th, 7; 6th, 8; 7th, 1; 8th, 2; 9th, 14; 10th, 15; 11th, 19; 12th, 5; 13th, 4; 14th, 5; 15th, 16; 16th, 9; 20th, 19; 21st, 5; 23d, 1; 24th, 10; 25th, 15; 26th, 5; 27th, 11; 28th, 3; 29th, 11; 30th, 10.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.94	30.25	18	29.54	8	7.6	29	sw.	13	84	67	71	58
Columbus, Ohio	29.94	30.25	18	29.56	2	10.7	33	s.	9	81	65	66	51
Elkins	29.97	30.32	18	29.59	8	6.2	30	nw.	9	83	63	73	38
Lexington, Ky	29.98	30.24	18	29.48	7	12.7	43	nw.	28	82	66	....	49
Parkersburg	29.98	30.29	18	29.58	8	6.2	25	w.	24	79	65	68	39
Pittsburgh, Pa	29.96	30.29	18	29.57	8	9.3	34	sw.	2	78	62	65	51
Wytheville, Va	29.96	30.28	18	29.58	8	6.7	24	w.	12	80	58	69	53

COMPARATIVE DATA FOR MAY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	57.2	−4.5	.....	.....	3.18	−0.83	.....	.....	.....	....	....	....	....
1892	62.2	+0.5	96	32	5.04	+1.03	.....	.....	.....	....	....	....	....
1893	59.5	−2.2	92	30	4.51	+0.50	6.41	1.83	.....	10	12	9	10
1894	62.1	+0.4	100	28	4.44	+0.43	9.40	2.17	.....	13	16	9	6
1895	61.6	−0.1	**105**	20	2.60	−1.41	6.31	0.79	.....	9	12	11	8
1896	**68.3**	+6.6	95	33	3.01	−1.00	5.92	0.65	.....	10	11	13	7
1897	57.6	−4.1	90	23	4.60	+0.59	7.06	2.17	.....	11	13	10	[illegible]
1898	63.0	+1.3	94	28	4.51	+0.50	6.15	2.76	.....	13	13	10	[illegible]
1899	64.1	+2.4	96	35	5.17	+1.16	7.68	3.17	.....	12	11	11	9
1900	62.5	+0.8	98	21	2.99	−1.02	6.75	0.35	.....	8	14	9	[illegible]
1901	61.8	+0.1	96	21	6.15	+2.14	8.88	2.50	.....	13	11	10	10
1902	65.2	+3.5	98	25	3.17	−0.84	6.09	1.30	.....	9	14	11	6
1903	64.3	+2.6	95	20	3.03	−0.98	6.24	0.80	T.	8	18	9	4
1904	61.8	+0.1	98	25	3.55	−0.46	5.80	1.54	T.	11	12	11	8
1905	64.2	+2.5	96	26	4.95	+0.94	7.96	1.90	0	11	12	10	9
1906	62.7	+1.0	98	22	2.59	−1.42	6.89	0.39	T.	9	15	9	7
1907	59.0	−2.7	93	24	3.88	−0.13	6.37	1.38	T.	12	12	10	9
1908	63.4	+1.7	96	28	6.19	+2.18	11.45	2.73	0.1	17	9	12	10
1909	60.8	−0.9	93	21	3.82	−0.19	6.05	1.80	0.1	10	14	9	8
1910	57.9	−3.8	96	19	3.92	−0.09	5.87	1.55	0	12	11	10	10
1911	66.0	+4.3	100	22	**1.46**	−2.55	6.35	**0.03**	0	5	20	8	3
1912	63.3	+1.6	94	31	3.93	−0.08	7.50	1.16	0	11	15	8	8
1913	61.6	−0.1	95	19	5.16	+1.15	8.86	1.89	0	10	14	8	9
1914	62.4	+0.7	100	24	1.96	−2.05	3.75	0.55	0	6	18	8	5
1915	61.1	−0.6	92	29	4.22	+0.21	6.85	2.56	0	13	10	9	12
1916	64.0	+2.3	97	28	3.58	−0.43	6.00	0.90	T.	11	14	9	8
1917	**55.5**	−6.2	95	25	4.88	+0.87	5.45	2.45	T.	10	11	8	12
1918	66.7	+5.0	97	25	4.34	+0.33	10.28	1.85	T.	11	15	9	7
1919	61.5	−0.2	100	30	5.25	+1.24	10.71	2.75	0	13	12	7	12
1920	58.9	−2.8	95	24	2.76	−1.25	6.97	1.08	T.	7	16	6	9
1921	61.4	−0.3	96	24	4.48	+0.47	10.67	2.12	T.	12	12	7	12
1922	63.7	+2.0	94	26	3.67	−0.34	5.83	1.55	0	11	14	7	10
1923	59.7	−2.0	93	21	2.58	−1.43	5.33	0.18	1.3	8	16	6	9
1924	**55.5**	−6.2	93	23	**7.20**	+3.19	**12.20**	3.91	0.1	17	9	7	15
1925	56.8	−4.9	100	21	3.35	−0.66	6.56	0.70	0.2	10	13	8	10
1926	61.2	−0.5	94	**14**	2.50	−1.51	4.65	0.07	T.	9	15	8	8
1927	62.0	+0.3	95	21	4.13	+0.12	7.74	0.75	T.	15	10	8	13
1928	58.9	−2.8	94	22	2.61	−1.40	5.30	0.55	T.	10	14	8	9
1929	60.8	−0.9	98	23	5.81	+1.80	11.14	2.25	0.1	15	10	9	12
1930	63.3	+1.6	101	23	2.17	−1.84	4.99	0.64	0	10	15	8	8
1931	60.6	−1.1	98	23	5.09	+1.08	9.59	2.68	T.	15	12	8	11
1932	62.1	+0.4	96	24	3.11	−0.90	6.78	0.62	0	9	17	7	7
1933	65.1	+3.4	97	34	6.99	+2.98	11.36	3.50	0	18	8	10	13
Period	61.7	......	105	14	4.01	......	12.20	0.03	T.	11	13	9	9

Climatological Data for May, 1933

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	59.0	+2.6	83	26	34	22	43	7.13	+2.41	1.03	0	20	11	6	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	65.6	+7.2	91	27	38	18	43	4.00	+1.40	0.85	0	17	15	2	14	s.	Elmer Keister
Circleville	Pendleton	......	1	.....	......	......	......	......	......	...	6.52	......	1.54	0	17	.....	.....	.....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	.....	......	......	......	......	......	...	3.50	−0.12	0.66	0	16	.....	.....	.....	......	J. C. Newcomer
Kearneysville	Jefferson	548	3	65.2	......	90	20†	40	5	31	4.01	......	0.96	0	13	10	14	7	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}65.9	+3.1	95^{a}	20	43	5	42^{a}	5.32	+1.60	1.05	0	17	11	17	3	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	37	.....	......	......	......	......	......	...	.....	......	......	......	.....	.....	.....	.....	......	M. S. Henkel
Piedmont	Mineral	1,053	20	63.4	+3.4	86	20	44	5	35	6.85	+3.75	0.76	0	20	5	23	3	se.	C. A. Suter, Jr.
Romney	Hampshire	824	35	^{a}64.4	+1.5	91^{a}	20	43	5	41	5.21	+1.71	0.74	0	14	15	4	12	......	George E. Bergdoll
Stony River Dam	Grant	3,300	13	.....	......	......	......	......	......	...	7.32	+2.92	1.07	0	18	1	9	21	w.	A. C. Becker
Upper Tract[1]	Pendleton	1,230	34	60.7	+0.3	82	25	40	5	37	5.40	+2.61	2.00	0	9	.....	.....	.....	......	J. M. Mallow
Wardensville	Hardy	1,200	12	^{f}69.1	......	96^{a}	27	38^{f}	5	42^{f}	6.24	+3.02	0.74	0	21	12	7	12	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	.....	......	......	......	......	......	...	9.88	......	2.47	0	20	3	18	10	w.	L. Else Bond
Alma (near)	Tyler	800	6	.....	......	......	......	......	......	...	6.65	......	1.01	0	22	4	8	19	......	D. N. Furbee
Alpena	Randolph	2,571	3	59.4	......	80	20†	38	4	37	11.16	......	2.04	0	23	2	19	10	......	Christian Hertig
Benson	Harrison	1,080	9	64.0	......	85	20†	42	18	36	7.03	......	1.35	0	19	5	21	5	......	R. D. Marts
Bens Run	Pleasants	652	31	66.8	+3.9	90	26	45	4	36	5.24	+1.09	0.61	0	18	18	11	2	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	65.8	......	88	24†	43	22	38	9.40	......	1.62	0	19	8	10	13	......	George M Meyers
Bruceton Mills	Preston	1,549	16	.....	......	......	......	......	......	...	9.18	+5.34	1.45	0	15	4	15	12	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	65.4	+4.2	87	20	45	4	36	11.36	+6.79	2.32	0	20	5	21	5	......	H. A. Darnall
Cairo	Ritchie	680	32	66.2	+2.9	88	24†	43	5	40	8.21	+4.76	1.61	0	16	14	7	10	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	65.0	+5.0	88	26	42	22	38	7.08	+3.41	1.06	0	20	1	16	14	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	.....	......	......	......	......	......	...	10.33	......	1.87	0	22	2	20	9	sw.	George W. Blair
Creston	Wirt	640	31	66.2	+3.0	89	24	43	5	41	6.78	+2.90	1.10	0	18	9	9	13	......	P. M. Basnett
Dam 10 Mon. R	Marion	826	12	.....	......	......	......	......	......	...	7.29	+3.22	0.94	0	21	.....	.....	.....	......	Lockmaster
Dam 12 O. R	Ohio	660	17	.....	......	......	......	......	......	...	5.54	+2.20	0.78	0	15	.....	.....	.....	......	Lockmaster
Dam 13 O. R.	Ohio	655	17	.....	......	......	......	......	......	...	5.85	+2.33	1.05	0	17	.....	.....	.....	......	Lockmaster
Dam 15 Mon. R	Monongalia	882	12	.....	......	......	......	......	......	...	7.05	+3.45	1.51	0	20	.....	.....	.....	......	Lockmaster
Davis	Tucker	3,093	24	.....	......	......	......	......	......	...	11.19	+6.62	1.15	0	22	.....	.....	.....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21	.....	......	......	......	......	......	...	6.59	+3.06	1.27	0	21	.....	.....	.....	......	Lockmaster
Elkins	Randolph	1,947	32	62.6	+3.4	84	26	41	18	36	9.18	+5.13	1.56	0	23	1	7	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	66.5	+4.6	92	24	45	4†	41	7.23	+3.35	1.63	0	20	7	7	17	w.	J. C. Robinson
Glenville	Gilmer	738	39	66 7	+3.2	90	23†	45	4†	40	7.62	+3.41	1.06	0	16	5	16	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	65.0	+4.0	90	24†	43	22	39	7.25	+3.26	1.03	0	19	4	5	22	......	W. E. Clayton
Horner	Lewis	1,044	10	.....	......	......	......	......	......	...	10.17	......	1.77	0	18	.....	.....	.....	......	Foster R. Hardman
Horton	Randolph	2,840	8	.....	......	......	......	......	......	...	8.47	......	1.53	0	20	4	18	9	nw.	Warren A. Kratz
Janclew (near)	Lewis	1,020	10	66.1	......	88	24†	42	5	36	9.77	......	2.20	0	15	10	11	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	64.2	+3.8	88	25	40	18	42	6.32	+2.15	1.18	0	21	3	14	14	w.	Allen Smith
Mannington	Marion	985	30	63.8	+3.4	85	24†	43	22	38	6.99	+2.97	0.76	0	23	2	12	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	64.2	+2.0	86	24	42	4	35	9.84	+6.24	0.85	0	26	7	9	15	sw.	Bruce Davis
New Cumberland	Hancock	671	35	^{a}64.2	+4.0	97^{a}	23	43	5†	50	4.57	+1.16	0.81	0	20	4	9	18	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	66.9	+3.9	91	26	45	4	42	5.59	+1.93	0.90	0	16	7	7	17	s.	Wm. Ankrom
Parkersburg	Wood	638	46	67.0	+3.2	88	24	45	4	35	7.50	+4.12	2.44	0	18	2	15	14	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	63.6	+4.9	86	20†	41	18	40	10 20	+6 20	......	0	.....	3	9	19	......	J. W. Swisher
Philippi	Barbour	1,550	36	.....	......	......	......	......	......	...	6.95	+2.62	1.28	0	20	.....	.....	.....	......	H. F. Brittinham
Pickens [a]	Randolph	2,697	30	61.5	+4.4	85	25	39	18	39	10.98	+5.58	2.31	0	23	13	10	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	.....	......	......	......	......	......	...	8 75	......	1.43	0	17	.....	.....	.....	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	.....	......	......	......	......	......	...	7.44	+2.95	0.92	0	22	.....	.....	.....	......	Walter H. Bolyard
Saint Marys	Pleasants	577	24	.....	......	......	......	......	......	...	6.91	+3.31	1.21	0	21	.....	.....	.....	......	Wm. Hughes
Terra Alta	Preston	2,559	32	59.6	+2.1	81	26	35	22	38	8.97	+4.07	1.64	0	22	1	7	23	w.	Okey Alkire
Thomas	Tucker	2,950	4	.....	......	......	......	......	......	...	7.98	......	1.06	0	20	.....	.....	.....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	10	65.2	......	88	26	40	9	35	8.45	......	1.87	0	20	16	1	14	sw.	J. C. Camphell
Vandalia	Lewis	1,120	10	.....	......	......	......	......	......	...	8.99	......	1.17	0	19	.....	.....	.....	......	James B. Kelley
Wellsburg	Brooke	668	26	62.2	+2.1	88	26	39	5	37	5.13	+1.60	0.80	0	16	8	9	14	w.	George P. Pfister
West Milford	Harrison	979	8	.....	......	......	......	......	......	...	6.12	......	1.00	0	19	.....	.....	.....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	65.9	+3.2	91	26	40	4	37	10.08	+5.82	2.34	0	23	2	21	8	......	A. Henry
Wheeling	Ohio	645	46	^{i}66.0	+4.2	92^{i}	30	40^{b}	4†	46^{j}	4.68	+1.19	0.80	0	16	6	10	12	......	Miss M. B. Forsyth
Woodlands	Marshall	637	6	.....	......	......	......	......	......	...	6.06	......	1.25	0	20	5	6	20	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	....	......	......	......	......	......	...	5.25	......	1.00	0	18	7	12	12	w.	H. S. Sutton
Bancroft	Putnam	574	29	68.8	+5.9	89	25†	46	5†	32	4 52	+0.51	0.91	0	13	13	3	15	sw.	Charles N. Long
Beckley	Raleigh	2,440	30	62.2	+2.4	85	26	41	4†	35	6.96	+3.43	1.13	0	20	4	17	10	......	L. A. Mauck
Bluefield [e]	Mercer	2,558	38	65.8	+4.1	85	26	43	4	31	4.03	+0.65	0.98	0	14	2	18	6	......	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{e}69.9	+4.5	94^{e}	28	47^{e}	4	38^{j}	5.70	+1.72	0.91	0	17	8	1	22	......	D. J. M. Cook
Clay	Clay	706	17	.....	......	......	......	......	......	...	5.81	+1.83	1.03	0	19	.....	.....	.....	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	.....	......	......	......	......	......	...	5.84	......	0.83	0	16	.....	.....	.....	......	Lockmaster
Dam 19 O. R	Wood	600	17	.....	......	......	......	......	......	...	7.39	+3.38	1.88	0	18	.....	.....	.....	......	Lockmaster
Dam 20 O. R	Wood	600	17	.....	......	......	......	......	......	...	7.14	+3.50	1.44	0	19	.....	.....	.....	......	Lockmaster
Dam 26 O. R	Mason	564	17	.....	......	......	......	......	......	...	6.32	+2.71	1.07	0	18	.....	.....	.....	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	.....	......	......	......	......	......	...	4.65	......	1.46	0	10	.....	.....	.....	......	Mrs. D. R Gandinees
Gary	McDowell	1,426	17	67.6	+6.6	88	13†	44	9	39	7.20	+3.02	1.40	0	19	.....	.....	.....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	68.6	+5.2	92	20	47	9	39	4.30	+0.68	0.92	0	16	19	0	12	......	Mrs. M. L. McClung
Huntington	Cabell	538	36	69.8	+5.1	91	26	47	4	32	8.15	+4.14	1.76	0	17	3	21	7	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	14	.....	......	......	......	......	......	...	5.97	+1.83	1.24	0	12	.....	.....	.....	......	J. O. Brown
Kayford	Kanawha	1,335	17	.....	......	......	......	......	......	...	6.07	+1.05	1.57	0	17	.....	.....	.....	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	7	.....	......	......	......	......	......	...	8.14	......	2.60	0	17	.....	.....	.....	......	E. B. Kirk
Kingston	Fayette	1,481	3	.....	......	......	......	......	......	...	5.88	......	1.19	0	12	.....	.....	.....	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	64.2	+4.1	83	26	43	9	35	5.72	+2.28	0.96	0	15	8	7	16	......	Rose Argabrite
Logan	Logan	700	30	.....	......	......	......	......	......	...	8.12	+3.69	2.62	0	13	.....	.....	.....	......	J. R. Wampler
Madison	Boone	675	12	67.8	+4.0	90	26	46	3	32	5.41	+1.08	1.40	0	15	14	3	14	......	W. E. Holy
Marlinton	Pocahontas	2,131	34	60.6	+3.5	82	20	36	18	38	6.06	+2.06	0.70	0	20	2	27	2	s.	S. L. Brown
Point Pleasant	Mason	595	40	67.6	+2.8	92	24	43	4	39	6.73	+2.81	1.32	0	17	11	8	12	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	61.6	......	84	25	38	9	37	6.35	......	0.92	0	21	11	9	11	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	67.2	+5.6	88	24	43	4	37	5.32	+1.77	0.81	0	16	14	0	17	se.	Lockmaster
Richwood	Nicholas	2,193	3	63.3	......	85	14†	40	18	39	6.88	......	1.33	0	24	13	0	18	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	65.2	+1.9	88	13	42	9	40	5.22	+1.72	1.10	0	16	11	0	20	......	M. Frazier
Ryan	Roane	700	30	62.8	+1.4	87	26	41	4	36	8.00	+4.36	1.11	0	17	11	7	13	......	Wm E. Ryan
Sharples	Logan	889	13	.....	......	......	......	......	......	...	6.54	+2.32	1.42	0	11	.....	.....	.....	......	R. W. Howard
Spencer	Roane	789	29	67.2	+3.0	89	24	44	4	37	7.01	+3.35	1.31	0	15	8	11	12	......	A. M. McKown
Sutton	Braxton	850	27	66.2	+2.9	89	20†	43	9	37	6.90	+2.29	1.75	0	15	16	0	15	......	C. B. Eakle
Union [d]	Monroe	2,250	29	64.6	+3.7	87	24	41	9	41	4.50	+1.69	0.84	0	11	5	17	5	......	W M. H. Young
Wayne	Wayne	598	6	.....	......	......	......	......	......	...	7.02	......	1.52	0	18	.....	.....	.....	......	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	23	64.4	+3.7	87	25	40	19	37	4.85	+1.53	1.25	0	13	27	1	3	......	A. P. Spence
Williamson	Mingo	673	33	70.2	+5.2	93	25†	49	7†	35	7.61	+3.46	1.30	0	15	6	17	8	ne.	J. E. Dotson
State averages and	extremes	......	....	65.1	+3.4	97	23	34	22	50	6.99	+2.98	2.62	0	18	8	10	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on otherdates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac	.07	....	.65	....	.23	.61	.04	.40	.53	....	.75	.05	.30	.58	....	1.03	.02	....	....	.22	.02	....	....	....	.45	....	.13	.59	.33	.13	....	7.13
Brandywine	....do	....	....	.30	....	.20	.30	....	.10	.10	.20	.45	.10	....	.10	.40	.45	....	....	....	....	.15	....	....	....	.10	.20	.50	....	.30	.05	....	4.00
Circleville	....do	....	T.	.43	T.	....	.57	.22	.17	....	.48	.21	.63	....	.09	.23	1.54	.08	....	....	....	.31	....	....	.05	T.	....	.81	.37	.03	.30	T.	6.52
Harpers Ferry ||||	....do	....	....	.65	....	....	.39	.09	.06	.52	.10	..	.22	T.	....	.02	.44	.01	....	....	....	.04	....	....	....	.13	.08	.08	.66	.01	T.	....	3.50
Kearneysville	....do	....	T.	.51	....	.14	.49	....	.96	.04	.46	.05	....	....	....	....	.46	....	....	....	.07	....	....	....	....	.40	....	.14	.24	.05	....	....	4.01
Martinsburg ||||	....do	....	.02	1.05	....	....	.35	.22	.10	.85	.30	....	.38	.15	....	.05	.60	.05	....	....	....	.18	....	....	....	.27	....	....	.40	T.	.30	.05	5.32
Piedmont	....do	.25	.55	.10	.02	.37	.76	T.	.55	.35	.15	.64	.09	.30	.22	....	.73	.14	....	T.	.12	....	....	....	T.	.60	....	T.	.22	.33	.36	T.	6.85
Romney||||	....do	..	.40	.48	....	....	.25	.43	....	.74	.38	....	.45	....	.12	....	.68	.05	....	....	....	....	....	....	....	.68	....	....	.20	.25	.10	....	5.21
Stony River Dam	....do	....	.62	.54	.08	....	.58	.54	....	.50	.68	....	.50	....	.65	.17	1.07	.03	....	....	....	.04	....	....	....	.15	....	.22	.57	.22	.16	....	7.32
Upper Tract	....do	....	....	.25	....	.40	....	....	.10	.15	....	2.00	....	....	....	....	2.00	....	....	....	....	.20	....	....	....	.15	....	T.	.15	....	....	....	5.40
Wardensville||||	....do	....	.34	.34	T.	.41	.32	.35	.48	.16	.30	.19	.32	.30	....	.04	.64	.03	....	....	....	.07	..	....	....	.36	....	.41	.74	.05	.37	.02	6.24
Northern Division																																	
Aberdeen	Monongahela	.27	.28	.54	.05	.19	.49	T.	.03	.25	.21	2.47	.13	.14	.90	T	.68	T.	....	....	....	1.30	....	....	....	.14	....	.56	.80	.06	.39	....	9.88
Alma (near)	Ohio	.33	.37	.06	....	.48	.60	....	.22	.35	.18	1.01	.03	.06	.55	.18	.31	....	....	...	.52	.03	....	....	.03	.45	....	.54	.10	.05	.20	....	6.65
Alpena	Monongahela	.30	.45	.15	.05	.28	.75	.05	.15	.35	.35	2.04	.19	.14	.54	1.01	1.30	....	....	....	.63	.03	....	....	....	.91	T	.47	.46	.25	.31	....	11.16
Benson	....do	....	.30	.30	.02	.22	.32	....	....	.30	.27	1.35	.10	.17	.85	.22	.58	....	....	....	....	.92	....	....	....	.15	....	.47	.18	.03	.28	....	7.03
Bens Run	....do	.01	.46	.09	..	.56	.45	..	.06	.39	.26	.58	....	.30	.61	.15	.17	....	....	...	.57	T.	....	....	....	.26	....	.15	.11	...	.06	...	5.24
Brownsville	....do	.05	.50	.20	.02	.22	.62	.14	....	.20	.83	1.40	.12	.12	1.10	...	.60	....	....	....	....	.62	....	....	....	....	....	.60	1.62	.24	.20	....	9.40
Bruceton Mills	....do	.	.69	T.	....	....	1.40	T.	.40	....	1.14	.86	...	.30	.48	.17	.29	T.	....	....	.20	....	....	....	1.45	....	.21	.31	T.	.28	1.00	....	9.18
Buckhannon	....do	T.	1.18	.30	....	.25	.40	.08	.06	.22	.36	2.32	.08	.15	.90	.20	.70	T.	.80	....	T.	....	....	T.	T	.80	T.	1.08	1.30	.10	.08	....	11.36
Cairo	Little Kanawha	.04	.45	....	..	.61	.18	....	....	.57	1.04	1.27	....	.16	1.22	....	.40	....	....	....	....	.04	....	....	....	.54	....	.78	.03	.43	.45	....	8.21
Clarksburg||||	....do	..	....	.54	.03	....	.60	.09	.02	.17	.41	.42	.56	....	1.06	.14	.54	....	....	....	....	.46	.01	....	...	.35	.37	.14	.28	.02	.87	....	7.08
Crawford||||	....do	.17	.99	.05	.04	.26	.27	..	.02	.44	.48	1.11	.11	.14	1.03	.26	.66	..	....	....	1.22	.65	....	....	....	.53	....	.74	.70	.04	.42	....	10.33
Creston||||	Monongahela	....	....	.46	.05	...	.55	.08	..	....	.27	.48	.37	...	1.10	.27	.80	..	....	....	.	.67	.03	....	....	.15	.20	.19	.69	.06	.36	...	6.78
Dam 10, Mon. R.||||	Ohio	....	....	.92	.06	....	.71	.56	.03	.07	.46	.02	.63	.03	.68	.07	.39	.12	....	....	...	.12	...	...	....	.94	....	.26	.05	.48	.64	.05	7.29
Dam 12, O. R.||||	....do	....	T	.15	..	....	.37	.52	.02	.31	.64	.05	.49	...	.78	.14	.16	....	....	....	....	.35	....	....	....	.75	....	.03	.78		....	....	5.54
Dam 13, O. R.||||	Monongahela	....	.03	.14	.02	...	.42	.32	.02	.26	1.05	.08	.78	..	.85	.08	.24		....	....	....	.50	..	....	....	.90	....	.06	.10	..	....	....	5.85
Dam 15, Mon. R.||||	....do	....	....	.54	.02	...	1.03	.50	.03	.04	.50	.03	.63	.02	.77	.16	.47	T.	T.	....	....	.12	.01	....	....	.31	....	.22	.09	.05	1.51	T.	7.05
Davis ||||	....do	...	1.15	.50	.35	T.	.45	1.00	.10	.55	.20	1.15	.10	.30	.45	.64	.70	1.10	.30	....	....	T.	....	....	....	.30	....	.25	.80	.20	.50	.10	11.19
Elizabeth(D'm 3 LK)	Little Kanawha	...	...	.60	.03	.02	.65	.02	...	....	.43	1.27	.31	.01	.76	.11	.67	.01	....	....	....	.22	.02	...	...	.55	.09	.08	.38	..	.34	.02	6.59
Elkins***	Monongahela	.52	.71	.17	.01	.50	.35	T	.05	.35	.02	1.52	.09	.19	.61	.35	.56	T.	....	....	.83	T.	....	T.	.70	.07	.13	.30	.37	.62	.16	...	9.18
Fairmont||||	....do	....	.03	.57	.01	....	.92	.61	.02	.05	.61	.33	.31	.05	.75	.10	.38	T.	....	....	...	.13	T.	....	....	.33	....	.22	.11	.07	1.63	....	7.23
Glenville ||||	Little Kanawha	....	T.	.63	.06	....	.65	.64	....	....	.76	.52	.27	...	1.06	.19	.68	....	....	....	....	.21	....	....	....	.59	....	.30	.67	.06	.33	....	7.62
Grafton ||||	Monongahela	.12	.85	.08	..	.18	.62	....	.62	.18	.10	.65	.08	.10	1.02	.18	.38	T.	....	....	.16	T.	..	....	....	.25	....	.45	.20	..	1.03	....	7.25
Horner	....do	.05	.45	.25	..	.50	.30	....	.20	.40	.45	1.77	.16	.07	1.10	....	.77	....	....	..	..	.75	....	....	....	....	....	.85	1.55	.20	.35	....	10.17
Horton	....do	...	.22	13	T.	.28	.85	T.	.14	.11	.59	1.19	.06	.17	.26	.48	1.53	....	....	..	.29	.09	....	....	....	.89	T.	.36	.31	.32	.20	..	8.47
Janelew (near)	....do	.33	.60	.26	....	.25	.60	...	...	.25	.26	2.20	....	....	.87	....	.90	....	....	....	....	1.05	..	....	....	....	....	.98	.60	.25	.37	....	9.77
Lost Creek	....do	.02	.65	.03	T.	.20	.34	....	T.	.28	.11	1.18	.09	.17	.83	.19	.40	....	....	....	.43	T	....	....	.08	.04	.47	.38	.10	.18	.15	....	6.32
Mannington	....do	.10	.61	.01	....	.45	.69	.01	.14	.28	.59	.59	.02	.33	.76	.18	.30	.01	....	....	.15	.01	....	....	....	.56	....	.40	.01	.26	.53	...	6.99
Morgantown	....do	T.	.77	.10	.15	.39	40	.72	.15	.20	.70	.85	.50	.10	.80	.20	.20	....	T.	....	.04	.80	....	.05	.85	.30	.48	.04	.50	.25	.25	.05	9.84
New Cumberland||||	Ohio	...	T.	.13	T.	....	.32	.14	.17	.33	.81	.14	.28	.08	.49	.09	.09	.02	....	....	....	.29	....	....	....	.26	.03	.30	.32	T.	.24	.04	4.57
New Martinsville	....do	..	.40	.05	....	.34	.68	....	.12	.50	.12	.90	....	.73	.62	.13	.18	....	....	....	.22	.05	....	....	....	.05	....	.50	....	....	....	....	5.59
Parkersburg* **	....do	....	.59	.01	....	.82	.14	...	T.	.68	.46	.50	.01	.16	.71	.26	.17	..	....	....	.03	.09	....	....	1.79	.86	T.	.20	....	....	.02	....	7.50
Parsons	Monongahela	*	*	*	*	*	4.20	...	....	T.	T.	2.00	*	.70	*	1.10	*	.50	....	....	*	.25	....	....	.26	....	T.	*	*	.99	....	.20	10.20
Philippi	....do	....	.22	1.28	.10	....	.35	.39	....	.25	.31	.31	.06	.07	.61	.23	.42	.03	...	..	....	.39	....	....	....	.43	....	.23	.58	.42	.27	....	6.95
Pickens	....do	...	.86	.44	.11	.25	.85	.05	.08	.27	.27	.73	.10	.27	.50	.58	2.31	....	....	....	.63	..	.24	....	.19	.05	...	1.48	.42	.08	.22	....	10.98
Roanoke	....do	....	.54	.17	..	.14	.40	..	T.	.24	.22	.85	.34	.23	.80	....	1.00	....	....	..	....	1.15	....	....	....	.31	....	.76	1.43	.04	.13	....	8.75
Rowlesburg||||	....do	....	.27	.92	.02	T.	.42	.58	.02	.39	.27	.02	.64	.03	.92	.31	.67	.06	T.	....	...	.30	....	....	....	.27	....	.12	.48	.41	.24	.08	7.44
Saint Marys||||	Ohio	....	.21	.41	06	...	1.21	.14	.03	.03	.66	.56	.16	.03	.75	.14	.51	T.	....	....	....	.50	.03	....	....	1.13	.05	.08	.16	....	.06	....	6.91
Terra Alta	Monongahela	.14	1.64	.44	.06	.20	1.38	.08	.20	.40	.17	.55	.02	.37	.50	.69	....	.05	....	....	.15	....	....	....	....	.46	....	.44	.26	.15	.62	T.	8.97
Thomas ||||	....do	....	.30	.48	.13	..	.57	.84	08	.52	.51	.	.78	.02	.90	.19	.91	T.	....	....	....	.02	.02	....	....	.07	....	.06	1.06	.20	.32	....	7.98
Valley Chapel	....do	.26	.45	.16	.02	.20	.62	....	....	.20	.30	1.87	.10	.03	.82	....	77		....	....	.78	.23	....	....	....	.28	....	.38	.48	.28	.22	....	8.45
Vandalia	....do	.27	.79	..	....	.26	.47	....	.07	.23	.20	1.17	.15	.35	.78	.24	.79	...	...	....	.61	....	....	....	....	.55	....	1.03	.67	.21	.15	....	8.99
Wellsburg	Ohio	...	.16	T.	....	.28	.65	....	.56	.16	.41	.46	.02	.50	.34	.13	....	....	....	....	.27	....	....	....	....	.06	....	.68	.12	.33	T.	T.	5.13
West Milford	Monongahela	..	.20	.45	...	.20	.25	....	....	.30	.20	1.00	.10	.10	.80	.10	.62	....	....	..	.50	....	....	....	.10	.22	.25	.25	.11	.37	..	..	6.12
Weston	....do	....	.28	.68	.07	..	.42	.48		.06	.52	.14	2.34	.10	.62	.42	.74	.16	....	....	....	.61	02	....	....	.21	.06	.26	1.10	.11	.64	.04	10.08
Wheeling||||	Ohio	....	T.	.14	.01	...	.38	.62	.02	.30	.75	.66	.55	..	.80	.10	.18	....	....	....	....	T.	....	....	....	.40	....	.01	.24	....	.12	....	4.68
Woodlands||||	....do	....	....	.38	.03	.	.60	.49	.10	.03	1.25	.05	72	.	.72	.10	.21	....	....	....	....	.14	...	....	.35	.04	.38	.20	.22	....	.03	.02	6.06
Southern Division																																	
Arbovale	Great Kanawha	.01	.36	....	....	.40	.57	....	.07	.41	.	.57	.15	....	.23	1.00	.27	....	....	....	.29	....	.	....	....	.07	.19	.28	.05	.25	.08	....	5.25
Bancroft ||||	....do	....	....	.07	..	.22	50	....	....	.20	.91	.17	.37	....	.41	.28	.57	....	....	....	....	..	..	....	....	....	.12	.61	.09	....	....	....	4.52
Beckley	....do	T.	.76	.04	.05	.79	.38	...	.08	...	1.13	.06	.75	.29	.06	.15	.58	...	....	....	....	.55	....	..	.04	.09	.04	.54	....	.24	.34	..	6.96
Bluefield	....do	.02	.15	.05	....	....	...	....	.09	....	.98	....	.34	....	....	.28	.18	....	....	....	....	....	.95	.02	.21	....	....	.56	....	.10	....	.10	4.03
Charleston ||||	....do	....	....	.49	..	.29	.91	.18	.10	...	.51	.03	.40	.02	....	.40	.59	....	..	....	....	.41	.39	....	....	....	.02	.29	.61	....	.06	....	5.70
Clay||||	....do	....	T.	.50	.02	.18	.90	.22	.06	.19	.40	.39	.35	T.	....	.37	.62	....	....	....	....	.01	.04	...	....	....	.03	.42	1.03	.07	.01	....	5.81
Dam 6 G. K ||||	....do	....	..	...	.44	....	.15	.82	.18	....	....	.71	.05	.46	....	....	.36	.83	....	....	....	....	.41	.05	....	....	.02	.25	.41	.61	.09	....	5.84
Dam 19 O. R. ||||	Ohio	T.	T.	.44	T.	T.	.88	.02	T.	.02	1.20	.45	.20	.04	.80	.08	.29	T.	....	....	..	.51	.02	..	....	1.88	.01	.23	.27	....	.05	....	7.39
Dam 20 O. R. ||||	....do	....	....	.72	.03	.01	1.17	.05	T.	T.	.45	1.04	.10	.02	1.44	.12	.45	....	....	....	....	.48	..	....	....	.62	.06	.03	.15	....	.10	.10	7.14
Dam 25 O. R. ||||	....do	....	....	.60	...	.05	1.25	.10	.03	....	.30	1.05	.28	....	1.27	.35	.65	....	....	....	....	.14	....	....	....	...	....	T.	.10	....	.04	....	6.21
Dam 26 O. R. ||||	....do	....	....	1.07	.01	.08	.81	.10	.02	....	.99	.28	.30	....	.34	.70	.60	.03	....	....	....	.20	...	....	....	T.	.42	.03	.27	....	.07	....	6.32
Durbin	Great Kanawha	....	....	.26	....	....	.70	.25	.10	....	....	..	....	1.46	.25	.35	....	....	...	....	....	.45	....	....	....	....	....	.59	.24	....	....	....	4.65
Gary ||||	Big Sandy	....	..	.56	....	.34	.24	....	.23	...	1.32	....	.46	.54	....	.22	.07	.05	....	....	....	1.40	.26	....	.10	.01	....	.20	.42	.02	.74	.02	7.20
Hinton||||	....do	....	T.	.17	....	.35	.57	....	.08	....	.62	....	.28	.29	....	.03	.42	.17	....	..	....	.11	.04	....	....	T.	T.	.40	.32	....	.37	.08	4.30
Huntington	Ohio	....	.86	.02	....	.56	.16	....	T.	.48	.35	.18	1.76	T.	.63	.21	.41	....	....	....	....	1.53	....	....	....	.13	....	.21	.29	.20	.17	...	8.15
Kanawha Falls||||	Great Kanawha	....	....	.52	....	.08	.86	....	....	....	.60	....	.56	....	....	.42	1.24	.15	....	....	....	.22	.44	....	....	....	....	.08	.80	....	....	....	5.97
Kayford||||	....do	.14	....	.46	....	T.	.89	.30	.02	T	.24	..	.57	.01	T.	.27	1.57	.04	....	....	....	.87	.34	..	....	.01	....	....	.22	.10	.02	....	6.07
Kermit||||	Big Sandy	....	....	.80	.32	....	.60	.22	.60	..	2.60	.22	.10	....	.08	.78	....	....	....	....	....	.30	.20	....	....	.02	....	.40	.40	.05	.45	....	8.14
Kingston	Great Kanawha	....	.65	....	....	.79	.39	....	....	....	.68	.02	.26	.24	.38	.40	.44	....	....	....	....	1.19	....	....	....	....	....	.44	....	....	....	....	5.88
Lewisburg	.. do	....	...	.38	....	....	.86	...	.09	....	.91	....	.33	.04	....	....	.96	....	....	....	....	.32	.24	....	.20	.09	.29	.76	....	.10	.15	....	5.72
Logan||||	Guyandotte	....	....	.71	....	.32	.55	12	....	....	2.62	....	.42	.07	....	.33	1.12	....	....	....	....	.92	.30	....	....	T.	....	....	.55	.09	....	....	8.12
Madison	Great Kanawha	....	.66	T.	.32	1.30	.06	.03	....	.37	T	.17	T.	....	.22	1.40	T.	....	....	....	.27	.13	....	....	T.	.01	.11	.31	.05	T.	....	....	5.41
Marlinton	....do	.08	.24	.12	....	.70	.64	....	.12	.06	.48	.64	.18	.08	.22	.44	.62	....	....	....	.16	T.	....	T.	....	.04	.56	.42	T	.14	.12	....	6.06
Point Pleasant||||	Ohio	....	..	.68	.02	.14	.96	.02	T.	....	.50	.98	.30	....	1.32	.15	.58	....	....	....	....	.08	....	....	....	.02	.28	T.	.52	.02	.16	....	6.73
Rainelle	Meadow Creek	.02	.40	.04	.03	.84	.51	....	.07	.01	.92	.09	.36	.03	.17	.12	.48	....	....	....	....	.88	T.	.12	T.	....	.25	.65	T.	.16	.20	T.	6.35
Ravenswood(Dam 22	Ohio||||	....	...	.56	T.	.04	.75	.15	....	.	.26	.50	.33	.02	.81	.29	.73	....	....	....	....	.17	....	....	...	.13	....	.37	.11	....	.10	....	5.32
Richwood	Great Kanawha	....	.40	.25	.03	.65	.70	....	.05	.12	.36	.50	.15	.08	.34	.02	.97	.36	....	....	....	.40	.13	.01	....	.02	.26	.56	.12	.10	.30	....	6.88
Robertsburg||||	....do	....	..	.54	.02	.12	.88	....	....	....	1.10	.18	.28	....	.55	.06	.58	T.	....	....	....	.29	....	....	....	....	.09	.02	.36	.04	.11	..	5.22
Ryan	....do	....	.51	.08	....	.49	.50	....	....	.42	.71	1.11	.19	....	.42	....	....	.38	....	....	....	.16	....	....	....	.57	.31	.82	.42	.23	.68	....	8.00
Sharples||||	Coal River	....	....	....	....	..	.68	...	....	....	1.35	....	.40	....	.22	.23	1.42	....	....	....	....	.85	.12	....	....	.25	....	....	.91	.11	....	....	6.54
Spencer ||||	Great Kanawha	....	....	.49	.07	T.	.69	.13	....	....	.50	.34	.18	....	1.31	.09	1.12	....	....	....	....	.10	....	....	..	....	.12	.66	.91	....	.30	....	7.01
Sutton	Gauley	.10	1.75	.30	....	.50	.45	....	....	.30	.35	.40	....	.10	.65	....	.65	....	....	....	....	.45	....	....	..	....	....	.55	.25	.10	....	..	6.90
Union	....do	....	....	.27	....	.78	..	..	.05	....	.51	T.	.32	....	....	....	.54	....	....	....	....	....	....	....	.17	....	.18	.84	....	.35	.49	....	4.50
Wayne||||	Big Sandy	....	.04	.86	....	.40	.39	.03	.02	....	.56	.06	.20	....	.07	.50	1.22	..	....	....	....	1.52	....	....	....	.24	....	.39	.43	.06	.03	....	7.02
White Sulpr. Spgs.||||	Great Kanawha	..	....	.35	....	...	.80	....	.20	....	1.25	....	.20	....	...	.10	.55	.30	....	....	....	.05	.45	....	....	....	....	....	....	.05	.45	.10	4.85
Williamson||||	Big Sandy	....	....	.80	....	.30	.79	....	.08	..	.90	....	.77	.24	....	.26	.98	....	....	....	....	1.30	T.	....	....	.06	....	.09	.65	.36	.03	....	7.61

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg { Evaporation	.189	.146	.038	.053	.123	.010	.097	.098	.092	.130	.050	.021	.094	.152	.095	.084	.156	.133	.179	.178	.253	.087	.211	.166	.228	.189	.218	.109	.162	.285	.185	4.211
Clarksburg { Wind movement	47	37	39	64	56	34	52	26	61	51	31	14	22	47	46	20	85	19	14	30	49	32	44	21	50	22	31	18	31	33	27	1,153

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for May, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	75	77	68	64	63	62	57	65	66	69	70	75	75	73	71	69	67	74	78	80	71	75	80	80	78	83	76	70	75	72	63	71.6
	Minimum	44	49	47	39	35	41	50	40	39	39	39	48	48	58	49	52	47	35	40	52	53	34	37	54	58	55	56	55	44	52	47	46.3
Brandywine	Maximum	83	80	76	75	70	67	70	75	74	80	76	80	84	82	81	72	74	78	85	90	87	80	83	90	88	90	91	80	85	82	78	80.2
	Minimum	45	47	51	45	40	40	50	47	45	55	52	56	57	62	49	57	50	38	42	52	56	50	54	58	60	62	61	57	50	49	44	51.0
Kearneysville	Maximum	78	80	69	66	63	53	66	63	51	78	66	84	81	80	81	72	72	77	79	90	79	77	80	90	85	86	85	76	81	72	72	75.2
	Minimum	57	60	58	48	40	47	49	47	44	48	53	59	55	55	66	58	52	48	49	61	60	52	49	64	63	63	66	63	57	60	58	55.1
Martinsburg*	Maximum	83	85	72	71	55	54	57	55	57	81	61	66	86	83	80	67	78	81	85	95	84	83	84	94	91	90	90	80	86	75	..	77.0
	Minimum	50	58	58	48	43	46	48	53	44	46	49	52	55	55	58	58	53	50	50	61	62	56	50	52	64	66	66	69	57	63	60	54.8
Moorfield	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Piedmont	Maximum	77	82	60	70	69	54	64	63	57	70	68	63	80	78	74	75	77	76	83	86	75	76	81	85	83	84	81	77	80	76	69	74.0
	Minimum	47	53	55	46	44	46	50	46	45	52	51	55	58	64	50	56	52	45	49	56	60	45	46	57	61	62	62	61	55	60	50	52.9
Romney*	Maximum	82	83	67	70	52	55	69	53	60	72	63	80	71	81	79	70	69	79	88	91	79	79	86	90	86	88	83	79	85	77	..	75.5
	Minimum	49	54	56	48	43	47	48	50	45	47	49	52	58	68	55	56	52	45	47	59	59	45	45	60	62	61	62	61	55	58	54	53.2
Upper Tract	Maximum	70	72	70	70	66	61	..	55	60	..	66	..	79	..	76	76	..	75	..	..	75	..	..	80	82	..	68	75	76	..	..	71.2
	Minimum	52	53	52	46	40	45	..	46	45	..	53	..	56	..	54	55	..	41	..	..	54	..	..	46	45	..	56	57	57	..	..	50.2
Wardensville	Maximum	78	89	83	87	71	60	66	67	78	70	67	81	81	..	88	89	78	82	81	85	86	86	78	83	93	88	96	83	82	90	74	80.7
	Minimum	52	50	55	45	38	47	50	45	56	45	49	58	61	..	68	54	53	62	66	72	60	60	68	75	78	70	..	..	..	..	..	57.5
Northern Division																																	
Alpena	Maximum	72	73	54	63	60	56	60	65	69	63	67	72	75	73	79	63	65	71	77	80	63	73	78	79	77	80	73	67	74	71	64	69.5
	Minimum	51	52	44	38	43	47	47	42	40	55	51	51	61	58	48	51	44	54	40	50	51	42	41	52	54	54	66	52	46	53	46	49.2
Bens Run	Maximum	82	75	60	61	68	69	65	73	71	65	77	78	78	75	72	68	76	76	83	84	87	74	87	89	84	90	89	80	81	80	73	76.5
	Minimum	60	60	52	45	55	57	53	59	51	57	54	55	67	64	56	58	54	53	50	53	58	49	51	65	63	65	65	62	63	63	56	57.2
Buckhannon	Maximum	81	79	59	60	67	65	66	70	73	70	75	76	71	76	71	69	67	74	81	87	73	70	80	83	79	84	78	73	77	72	67	73.3
	Minimum	54	59	52	45	47	55	54	54	47	60	69	68	62	67	60	60	53	47	57	51	60	60	52	60	60	64	63	63	68	60	55	57.6
Cairo	Maximum	82	81	62	65	68	75	70	75	75	71	76	80	81	81	74	72	73	80	84	86	84	76	86	88	84	88	86	78	79	79	73	77.8
	Minimum	53	60	50	45	43	55	49	53	48	53	55	59	61	64	54	57	48	44	47	58	59	44	46	60	60	61	64	63	59	61	50	54.6
Clarksburg*	Maximum	83	75	74	62	68	66	69	71	72	68	75	79	79	74	72	68	74	81	83	85	72	75	86	87	85	88	77	77	80	75	70	75.8
	Minimum	53	57	52	45	45	55	52	53	48	54	52	57	65	63	55	58	50	44	48	56	56	42	48	59	61	60	63	62	57	58	53	54.3
Creston	Maximum	83	79	61	65	74	69	73	74	71	73	77	82	84	82	75	68	72	82	83	88	76	78	88	89	86	88	82	80	82	78	75	78.0
	Minimum	57	58	49	44	43	55	51	55	46	58	56	60	61	62	52	59	45	45	46	56	60	45	47	60	60	61	63	62	60	61	50	54.5
Elkins	Maximum	78	77	55	61	60	63	65	70	71	68	70	77	80	74	78	67	67	77	79	83	71	74	82	84	80	84	76	73	76	71	64	72.7
	Minimum	57	53	45	42	43	52	50	49	45	58	56	55	64	59	52	51	48	41	50	55	54	47	47	57	61	60	60	55	52	55	53	52.5
Fairmont*	Maximum	85	77	70	69	66	67	69	73	69	69	77	82	80	73	75	70	70	85	88	89	74	81	90	92	84	91	79	83	82	79	73	77.8
	Minimum	55	61	52	45	45	56	54	53	48	49	53	58	62	64	54	58	53	46	51	60	57	46	49	58	62	63	64	61	60	60	55	55.2
Glenville	Maximum	85	75	60	66	75	73	71	76	75	73	74	82	83	68	64	68	76	83	85	88	79	79	90	90	87	90	89	77	83	82	76	78.1
	Minimum	54	58	52	45	45	55	54	54	50	60	52	59	62	53	55	60	48	47	49	57	62	49	50	61	62	61	63	62	60	62	53	55.3
Grafton	Maximum	85	72	58	68	67	67	68	72	72	69	73	78	80	76	72	69	75	83	84	87	71	80	86	90	84	90	82	79	81	77	70	76.3
	Minimum	19	56	52	44	45	54	53	51	48	59	52	57	64	63	52	57	52	44	43	55	55	43	48	58	59	60	62	61	56	57	52	53.7
Lost Creek	Maximum	85	80	60	64	71	69	67	74	74	70	74	79	80	78	70	68	74	82	83	86	71	74	78	80	88	87	82	79	80	78	70	76.0
	Minimum	57	56	50	43	45	52	49	50	45	59	50	55	61	63	54	56	46	40	45	58	54	42	45	50	53	60	62	55	59	60	50	52.4
Mannington	Maximum	82	74	59	63	62	67	66	69	67	70	74	77	79	77	71	69	71	77	81	84	71	73	83	85	80	85	82	76	77	74	71	74.1
	Minimum	48	54	52	45	44	54	54	52	45	56	50	57	62	64	51	56	52	44	47	56	56	43	45	58	60	61	62	61	58	60	53	53.5
Morgantown	Maximum	81	82	58	56	62	63	62	67	62	69	73	76	79	78	70	71	71	75	81	84	73	68	85	86	81	84	83	81	81	81	79	74.3
	Minimum	62	58	51	42	43	52	53	52	44	45	45	59	59	60	45	56	50	46	46	64	55	45	64	65	61	64	61	61	60	68	45	54.2
New Cumberland*	Maximum	84	77	76	66	60	67	65	57	69	63	70	78	75	70	73	68	76	82	82	86	74	77	97	87	85	87	75	80	80	78	..	75.5
	Minimum	59	64	54	45	43	50	50	48	46	47	44	49	58	57	51	54	46	47	50	60	55	43	47	57	64	60	66	58	55	57	54	52.8
New Martinsville	Maximum	86	81	62	69	67	68	71	71	73	69	80	80	81	76	75	67	78	85	85	87	74	79	89	89	85	91	83	82	82	81	77	78.2
	Minimum	60	60	52	45	49	54	55	53	48	55	50	59	64	64	52	55	53	49	49	58	57	46	47	63	61	64	64	63	60	62	53	55.6
Parkersburg	Maximum	82	73	57	64	74	67	71	76	72	66	79	81	81	74	71	66	72	80	83	88	72	73	88	88	85	87	74	80	80	79	71	75.9
	Minimum	65	57	45	45	54	56	55	58	52	55	57	64	68	62	58	55	52	50	57	68	58	51	53	63	64	65	66	64	67	64	56	58.2
Parsons	Maximum	76	80	56	69	64	63	62	68	68	67	74	77	80	76	75	75	71	80	84	86	74	81	86	86	86	85	78	76	79	74	66	74.9
	Minimum	54	54	49	43	44	45	50	48	48	57	51	55	60	60	50	55	50	41	47	55	58	48	46	55	59	60	59	58	52	56	51	52.4
Pickens	Maximum	80	78	59	59	61	61	64	68	78	66	73	74	72	72	79	66	65	78	82	83	79	84	81	82	85	..	75	70	78	69	62	72.9
	Minimum	55	52	43	40	43	49	51	46	48	58	53	55	45	45	46	53	45	39	48	53	57	47	56	55	56	..	57	55	51	52	49	50.1
Terra Alta	Maximum	65	76	55	61	58	58	59	63	66	66	69	71	74	73	69	65	65	72	76	79	68	73	78	79	76	81	79	70	73	71	65	69.5
	Minimum	50	52	46	38	42	44	49	44	41	53	47	50	62	57	52	52	47	38	42	61	54	35	42	60	58	58	58	57	47	51	52	49.6
Wellsburg	Maximum	80	80	63	66	67	64	64	63	69	69	69	75	76	69	72	71	72	72	76	75	77	67	80	80	86	88	75	79	80	79	72	73.4
	Minimum	53	56	48	45	39	46	50	48	42	52	43	53	58	57	50	53	46	42	48	56	53	40	43	58	56	58	65	57	54	58	51	50.9
Weston	Maximum	82	75	74	54	60	66	65	75	74	66	78	77	78	76	74	71	68	80	83	86	85	74	86	90	86	91	90	80	81	80	78	76.9
	Minimum	57	59	52	40	41	45	52	48	48	55	56	58	62	68	52	55	45	46	50	59	68	50	49	60	62	63	64	65	59	61	52	54.9
Wheeling*	Maximum	86	77	72	70	60	68	71	68	..	..	..	..	..	..	..	..	80	80	86	89	85	80	90	90	85	90	80	90	84	92	..	80.6
	Minimum	57	56	57	40	43	46	49	47	42	..	..	..	..	..	..	..	..	42	47	56	52	40	44	60	57	60	60	55	55	55	65	51.5
Southern Division																																	
Beckley	Maximum	62	74	69	66	63	66	73	71	74	73	78	62	68	72	83	59	57	60	74	84	83	74	83	82	82	85	76	75	79	68	68	72.4
	Minimum	53	52	45	41	49	48	47	52	43	56	55	55	59	61	48	56	46	41	50	55	53	56	55	57	56	55	58	55	55	53	49	52.1
Bluefield	Maximum	77	76	60	70	70	70	..	75	78	75	80	79	82		84	81	68	74	80	80	..	82	79	80	82	85	81	..	79	..	75	77.0
	Minimum	55	55	48	43	52	51	..	49	47	58	54	58	64	..	56	61	50	45	54	56	..	56	61	59	57	59	60	..	57	..	50	54.5
Charleston*	Maximum	91	79	68	66	79	..	79	78	80	79	85	87	..	89	83	72	70	85	89	..	82	84	89	93	91	93	..	94	..	81	80	82.5
	Minimum	53	62	55	47	48	57	..	53	51	56	61	64	65	..	57	58	53	52	53	59	..	56	56	60	66	64	66	..	63	..	56	57.3
Gary*	Maximum	84	79	66	73	74	74	78	75	83	76	84	78	88	83	88	73	67	80	83	87	83	82	84	86	86	88	80	78	79	73	71	79.5
	Minimum	49	58	53	49	50	52	51	55	44	56	55	60	60	61	61	59	52	46	48	55	60	60	55	59	60	61	63	61	61	60	54	55.7
Hinton*	Maximum	83	79	60	79	65	73	83	79	80	80	85	83	90	85	86	74	73	84	87	92	85	89	87	90	89	85	82	83	82	73	74	81.3
	Minimum	51	55	54	48	49	53	50	55	47	52	58	60	60	61	54	58	55	51	48	53	58	60	58	60	62	62	62	60	59	60	56	55.8
Huntington	Maximum	84	79	68	62	80	73	74	77	79	78	81	81	88	83	78	72	71	80	85	89	84	79	88	90	90	91	82	84	84	82	79	80.5
	Minimum	61	65	52	47	52	59	50	58	51	64	61	64	67	65	55	64	49	51	54	63	66	54	56	64	65	64	69	62	63	64	55	59.2
Lewisburg	Maximum	74	80	60	70	67	68	71	70	75	75	80	75	82	79	80	71	68	73	80	82	80	79	82	82	80	83	81	74	81	71	67	75.5
	Minimum	58	46	50	46	49	50	45	49	43	58	56	56	58	63	48	55	51	44	45	53	62	56	54	56	57	57	57	54	55	58	49	52.8
Madison	Maximum	87	76	57	68	80	72	75	78	81	77	83	79	88	80	85	70	67	83	85	89	82	81	86	89	88	90	75	82	85	81	73	79.7
	Minimum	64	52	46	47	54	49	55	47	52	60	62	61	61	56	60	50	49	51	57	62	55	54	60	60	64	64	60	61	60	55	48	56.0
Marlinton	Maximum	74	72	56	68	50	68	66	68	70	70	74	70	80	76	78	68	64	74	75	82	74	76	74	80	80	80	78	72	74	66	68	71.8
	Minimum	48	44	48	42	42	46	44	44	38	58	50	52	60	54	50	56	48	36	38	54	54	48	46	54	56	52	56	52	58	54	46	49.3
Point Pleasant	Maximum	84	82	65	65	78	73	75	78	78	76	80	81	83	80	76	70	71	80	84	89	85	78	89	92	89	89	80	78	82	81	77	79.6
	Minimum	56	59	48	43	46	56	58	55	56	57	55	54	63	61	53	59	45	48	52	58	63	48	50	63	62	61	66	60	61	61	51	55.7
Rainelle	Maximum	75	74	55	68	65	63	72	74	75	74	79	75	82	80	78	68	65	76	76	79	78	78	78	83	84	79	76	73	75	68	68	74.0
	Minimum	45	49	45	41	46	49	40	47	38	56	53	53	55	53	47	51	47	42	39	46	59	54	50	51	52	54	57	55	51	52	47	49.3
Ravenswood	Maximum	82	82	80	63	76	75	73	76	72	73	80	80	82	80	76	68	71	81	82	87	84	76	86	88	86	86	82	81	80	79	78	78.9
	Minimum	59	59	48	43	45	54	51	57	47	56	55	61	65	61	52	60	47	46	52	59	63	46	49	64	61	59	66	62	63	62	52	55.6
Richwood	Maximum	77	77	59	64	62	63	69	71	74	72	78	74	83	85	82	81	65	74	82	85	85	76	81	83	84	83	76	75	78	81	69	75.7
	Minimum	55	55	47	42	47	48	49	49	41	57	54	55	50	54	50	56	49	40	45	46	60	54	52	54	55	54	56	52	52	52	47	50.9
Robertsburg*	Maximum	81	71	66	58	70	60	68	70	82	71	70	80	88	78	74	68	67	72	76	85	78	86	85	79	83	80	82	80	81	84	68	75.5
	Minimum	58	63	49	44	45	54	49	55	42	58	52	64	63	62	51	55	48	47	50	57	57	48	51	58	63	61	63	60	61	62	51	54.9
Ryan	Maximum	80	65	54	60	65	65	70	75	70	65	70	75	75	70	70	78	78	80	80	85	70	80	82	85	85	87	80	75	75	76	75	74.2
	Minimum	51	54	45	41	42	55	48	49	42	56	49	57	52	57	48	42	44	46	46	53	59	54	57	56	57	59	59	47	57	57	52	51.3
Spencer*	Maximum	85	74	68	61	75	79	71	75	73	71	79	81	83	74	72	69	70	81	84	87	76	77	88	89	87	88	80	78	81	78	73	77.6
	Minimum	62	68	51	44	46	53	54	47	50	54	58	62	66	63	53	57	47	47	52	59	64	49	51	64	69	61	64	65	63	63	53	56.7
Sutton	Maximum	73	73	65	60	70	70	71	75	75	70	71	82	84	84	76	76	68	80	84	89	89	75	86	89	89	85	85	80	85	85	75	78.0
	Minimum	55	57	51	45	45	54	54	53	43	53	57	58	61	60	52	60	48	46	48	54	62	50	49	59	60	60	61	62	59	58	52	54.4
Union	Maximum	80	78	72	70	74	69	..	72	74	74	80	80	84	..	82	84	72	76	84	84	..	84	77	87	85	82	82	..	80	80	69	78.3
	Minimum	45	52	48	44	50	46	..	44	41	56	53	54	57	..	52	55	50	42	43	50	..	55	53	55	55	55	57	..	55	57	50	50.9
White Sulphur Spgs.	Maximum	70	79	77	63	73	67	66	76	76	78	78	84	80	86	80	79	76	70	74	83	84	82	85	84	87	86	84	82	76	76	70	77.8
	Minimum	46	48	52	47	53	49	44	48	44	55	48	54	55	60	47	55	50	41	40	50	59	52	48	56	56	52	58	53	51	58	51	51.0
Williamson*	Maximum	90	76	61	69	82	76	78	79	84	78	84	78	89	83	86	74	68	84	87	90	87	86	90	92	93	93	77	82	86	83	76	82 0
	Minimum	56	59	54	50	50	55	49	51	49	56	60	64	64	63	59	62	52	52	54	60	62	64	58	63	66	67	66	61	62	62	57	58.3

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 6-26-33—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

Vol. XLI — Parkersburg, W. Va., June, 1933 — No. 6

GENERAL SUMMARY

The month was warm and exceptionally dry, being the driest June of State record. Unusually high temperatures prevailed nearly continuously from the 3d to the 12th, and from the 20th to the 30th, with maxima of 100 degrees or higher at a number of stations. Cool weather for the season occurred during the second decade, with temperature readings near or slightly below the June record at a few stations. Light to heavy frosts occurred generally on the mornings of the 14th and 15th, the frost damage was confined generally to truck gardens, and was somewhat severe in the mountain districts. The rainfall occurred mostly during thundershowers and was unevenly distributed, monthly amounts ranging from 0.52 inch to 7.08 inches. All crops suffered severely from high temperature and lack of moisture, and at the close of the month potatoes were drying up and pastures and meadows were burned brown. Harvesting of wheat progressed rapidly and was nearing completion at the end of the month, with some threshing. Heavy rains and high winds caused some damage to crops in scattered localities. A violent thunderstorm, attended by heavy hail, occurred at Wheeling on the 5th, the hail caused considerable damage to fruit trees and truck gardens.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 71.4°, or 1.9° above the normal. The excess was general, but was the greatest in the Ohio River counties. The highest monthly mean was 77.0° at Huntington, and the lowest, 63.6° at Alpena. The highest temperature was 104° at Wheeling on the 8th, and the lowest, 28° at Bayard and Terra Alta on the 15th, making the monthly range for the State 76°. The greatest daily range was 50° at Wheeling on the 20th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 2.75 inches, which was 1.62 inches less than the normal. The precipitation was the greatest in the mountain sections, and least in most of the Ohio River counties, and in scattered localities of the central districts. The greatest monthly precipitation was 7.02 inches at Richwood, and the least, 0.52 inch at Benson. The greatest amount in any 24 consecutive hours was 5.64 inches at Point Pleasant on the 25-26th. The average number of days with .01 inch or more of precipitation was 7.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Cabell, 6th and 12th; Clay, 9th; Harrison, 10th; Lewis, 10th; Marion, 4th and 12th; Monongalia, 4th; Nicholas, 9th; Pocahontas, 12th; Preston, 9th and 15th; Randolph, 9th and 30th; Raleigh, 6th; Wirt, 9th and 12th.

HEAVY HAIL

Moderate to heavy hail fell in and near Martinsburg on the 13th, with practically no damage. Heavy hail fell at Terra Alta on the 12th; the stones were about the size of small marbles and caused very little damage. Heavy hail fell at Wheeling on the night of the 5th; the stones ranged in size from 1-4 to 3-4 inch in diameter. Damage was confined mostly to automobile tops, fruit trees, truck gardens, and window panes. Estimated damage was about $5,000. Moderate to heavy hail fell near Elkins and Parsons on the 9th; the stones were about the size of marbles and caused some damage to roofs and truck gardens. Estimated damage was about $1,000.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale 26th, 27th, 29th, and 30th Elkins, 2d, 7th, 9th, 11th, 23d, 28th, and 29th; Fairmont, 15th; Glenville, 2d and 15th; Hinton, 7th and 28th; Marlinton, 1st, 2d, 5th, 7th, 8th, 14th, 15th, 18th to the 25th, 27th and 30th; Rainelle, 14th and 15th.

Halo, solar: Parsons, 15th.

Thunderstorms (dates and number of stations reporting): 3d, 10; 4th, 12; 5th, 7; 6th, 5; 7th, 3; 8th, 8; 9th, 9; 10th, 7; 12th, 14; 13th, 4; 15th, 1 16th, 3; 17th, 5; 22d, 2; 23d, 2; 24th, 4; 25th, 10; 26th, 12; 27th, 8; 28th, 8; 29th, 4; 30th, 9.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.00	30.35	15	29.79	6	6.6	30	nw.	30	68	46	55	88
Columbus, Ohio	29.98	30.31	15	29.76	30	9.4	32	nw.	6	68	43	49	79
Elkins	30.02	30.38	15	29.78	12	4.8	30	nw.	3	82	51	71	72
Lexington, Ky	30.03	30.36	15	29.84	23	10.6	41	nw.	12	68	46	....	85
Parkersburg	30.02	30.37	15	29.83	30	5.4	32	se.	9	73	50	58	65
Pittsburgh, Pa	29.98	30.32	15	29.73	30	8.8	38	nw.	3	69	47	50	76
Wytheville, Va	29.98	30.30	15	29.80	22	5.7	18	w.	17	74	49	61	71

COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	71.2	+1.7	.....	.....	5.02	+0.65	.....	.....	.....	....	....	....	....
1892	**74.1**	+4.6	99	41	3.90	−0.47	.....	.....	.....	....	....	....	....
1893	70.2	+0.7	99	40	3.81	−0.56	6.41	1.83	.....	10	13	10	7
1894	70.4	+0.9	103	32	3.27	−1.10	6.78	1.25	.....	8	16	10	4
1895	72.1	+2.6	102	38	2.92	−1.45	5.66	1.20	.....	7	15	10	5
1896	69.8	+0.3	95	30	5.35	+0.98	9.86	**0.11**	.....	10	8	14	8
1897	69.3	−0.2	96	35	4.31	−0.06	6.77	1.31	.....	10	12	12	6
1898	70.9	+1.4	99	41	3.21	−1 16	7.50	0.66	.....	10	14	11	5
1899	72.0	+2.5	98	35	4.99	+0.62	8.93	1.46	.....	11	14	9	7
1900	71.2	+1.7	98	41	5.30	+0.93	**15.62**	2.49	.....	13	9	12	9
1901	70.7	+1.2	104	32	5.67	+1.30	11.10	1.37	.....	13	12	12	6
1902	68.0	−1.5	100	33	5.19	+0.82	8.49	2.45	.....	12	11	13	6
1903	65.1	−4.4	93	34	4.80	+0.43	12.30	2.01	.....	13	8	11	11
1904	69.5	0	97	36	4.20	−0.17	8.29	2.05	.....	13	10	13	7
1905	70.6	+1.1	100	34	4.38	+0.01	7.72	1.47	.....	11	13	11	6
1906	70.9	+1.4	101	38	5.25	+0.88	9.32	2.84	.....	14	11	12	7
1907	65.3	−4.2	97	33	6.00	+1.63	11.95	1.93	.....	14	10	11	9
1908	69.2	−0.3	98	36	3.12	−1.25	6.75	1.35	.....	9	15	10	5
1909	71.1	+1.6	101	35	5.75	+1.38	9.19	2.47	.....	16	9	13	8
1910	66.6	−2.9	96	32	5.67	+1.30	11.27	1.52	.....	13	10	10	10
1911	70.7	+1.2	101	40	4.44	+0.07	9.34	1.88	.....	11	14	10	6
1912	67.3	−2.2	95	29	4.27	−0.10	9.21	1.11	.....	11	13	10	7
1913	69.5	0	99	29	3.44	−0.93	6.55	0.86	.....	9	18	8	4
1914	72.0	+2.5	100	30	3.00	−1 37	6.60	0.62	.....	8	15	11	4
1915	67.7	−1.8	95	33	3.63	−0.74	7.09	1.21	.....	9	15	8	7
1916	65.8	−3.7	94	35	5.42	+1.05	14.54	2.50	.....	12	14	8	8
1917	67.7	−1.8	99	31	3.81	−0.56	6.58	1.38	.....	12	14	9	7
1918	68.2	−1.3	99	34	4.17	−0.20	10.11	0.87	.....	8	16	7	7
1919	73.0	+3.5	100	40	5.06	+0.69	10.15	1.67	.....	10	16	8	6
1920	67.9	−1.6	98	36	5.01	+0.64	9.70	2.53	.....	12	13	7	10
1921	72.4	+2.9	101	38	4.01	−0.36	8.67	0.47	.....	9	15	9	6
1922	70.7	+1.2	97	33	4.66	+0.29	7.95	1.75	.....	11	12	9	9
1923	70.2	+0.7	102	35	4.54	+0.17	10.37	1.25	.....	11	16	7	7
1924	68.7	−0.8	98	32	4.67	+0.30	7.63	1.90	.....	13	13	8	9
1925	72.2	+2.7	**109**	35	3.51	−0.86	8.06	1.05	.....	9	16	8	6
1926	65.9	−3.6	95	31	3.85	−0.52	9.18	0.90	.....	11	13	8	9
1927	65.7	−3.8	99	29	4.08	−0.29	9.93	2.10	.....	11	12	8	10
1928	66.7	−2.8	96	33	**7.37**	+3.00	11.69	1.55	.....	19	7	9	14
1929	68.2	−1.3	100	28	3.50	−0.87	8.92	1.56	.....	8	16	9	5
1930	68.9	−0.6	105	**27**	2.87	−1.50	6.42	0.95	.....	7	17	8	5
1931	69.8	+0.3	105	33	3.24	−1.13	7.18	1.12	.....	9	16	9	5
1932	70.1	+0.6	99	29	4.46	+0.09	9.01	1.73	.....	11	14	8	8
1933	71.4	+1.9	104	28	**2.75**	−1.62	7.08	0.52	.....	7	18	9	3
Period	69.5	......	109	27	4.37	....	15.62	0.11	......	11	13	10	7

Climatological Data for June, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	64.8	+1.3	92	8	28	15	39	5.51	−0.21	1.68	0	14	24	3	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	69.7	+2.8	97	8	33	14	44	1.05	−2.34	0.50	0	4	24	4	2	sw.	Elmer Keister
Circleville	Pendleton	......	1	......	......	......	......	......	......	......	2.76	......	1.19	0	9	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	......	......	......	......	......	......	......	2.22	−1.45	0.61	0	7	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	3	72.3	......	97	9†	39	15	42	2.63	......	0.65	0	8	20	10	0	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	[a]73.8	+3.0	102[a]	9†	39	16	46[a]	3.56	−0.72	1.80	0	8	24	6	0	w.	Dr. H. S. Gardner
Moorefield	Hardy	900	37	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	M. S. Henkel
Piedmont	Mineral	1,053	20	70.6	+2.6	95	8	34	15	38	3.02	−0.62	0.70	0	9	22	7	1	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	[a]72.0	+2.2	99[a]	9	36	15	46[a]	1.99	−1.94	0.45	0	8	22	4	4	......	George E. Bergdoll
Stony River Dam	Grant	3,300	13	......	......	......	......	......	......	......	2.70	−1.56	0.70	0	9	10	11	9	w.	A. C. Becker
Upper Tract[b]	Pendleton	1,230	34	65.4	......	96	8	35	15	39	1.45	−2.02	0.50	0	5	......	......	......	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	12	[i]67.8	......	95[d]	9	35[i]	15	39[i]	1.90	−1.01	0.67	0	6	20[b]	7[b]	1[b]	......	Reymanu Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	......	......	......	......	......	......	......	1.63	......	0.88	0	7	12	16	2	w.	L. Else Bond
Alma (near)	Tyler	800	6	......	......	......	......	......	......	......	1.58	......	0.46	0	9	19	10	1	......	D. N. Furbee
Alpena	Randolph	2,571	3	63.6	......	90	8	31	15	40	3.71	......	0.60	0	8	9	20	1	......	Christian Hertig
Benson	Harrison	1,080	9	69.7	......	95	8	34	15	44	0.52	......	0.30	0	6	16	13	1	......	R. D. Marts
Bens Run	Pleasants	652	31	76.0	+5.4	100	8	42	16	38	2.58	−1.72	1.44	0	7	25	5	0	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	72.2	......	97	8†	39	15	41	4.91	......	3.70	0	8	14	14	2	......	George M Meyers
Bruceton Mills	Preston	1,549	16	......	......	......	......	......	......	......	2.90	−2.35	0.94	0	6	17	12	1	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	69.6	+1.2	90	9†	40	15	32	1.72	−3.33	0.70	0	6	13	16	1	......	H. A. Darnall
Cairo	Ritchie	680	32	73.0	+2.6	96	8	36	15	47	4.24	−0.62	3.42	0	6	23	5	2	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	72.0	+2.9	99	9	39	15	42	2.63	−1.56	0.77	0	11	18	8	4	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	...	......	......	......	......	......	......	2.41	......	0.99	0	6	16	13	1	sw.	George W. Blair
Creston	Wirt	640	31	73.0	+2.4	98	8	38	15	46	2.29	−1.98	0.80	0	6	16	5	9	......	P. M. Basnett
Dam 10 Mon. R	Marion	826	12	......	......	......	......	......	......	......	3.59	−0.69	2.00	0	8	......	......	......	......	Lockmaster
Dam 12 O. R	Ohio	660	17	......	......	......	......	......	......	......	4.24	+0.34	2.20	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	17	......	......	......	......	......	......	......	1.84	+1.77	0.40	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R	Monongalia	882	12	......	......	......	......	......	......	......	1.65	−2.15	0.33	0	8	......	......	......	......	Lockmaster
Davis	Tucker	3,093	24	......	......	......	......	......	......	......	1.51	−3.90	0.50	0	7	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21	......	......	......	......	......	......	......	2.95	−1.11	1.77	0	8	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	32	67.6	+0.7	93	9	38	14	36	5.02	−0.04	1.17	0	15	7	14	9	nw.	U. S. Weather Bureau
Fairmont	Marion	883	27	[a]74.0	+3.9	101[a]	8	38	15	41[a]	2.10	−2.32	0.46	0	10	19	7	4	w.	J. C. Robinson
Glenville	Gilmer	738	39	74.4	+3.4	97	7†	42	15	44	2.79	−1.70	1.29	0	8	21	5	4	......	Howard R. Brannon
Grafton	Taylor	1,000	40	72.0	+2.9	98	8†	40	15	41	1.60	−2.90	0.35	0	7	16	7	7	......	W. E. Clayton
Horner	Lewis	1,044	10	......	......	......	......	......	......	......	3.13		2.30	0	4	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	8	......	......	......	......	......	......	......	2.62	......	0.76	0	9	20	7	3	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	72.9	......	97	9†	39	15	41	2.35	......	0.85	0	5	21	5	4	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	71.2	+3.4	100	8	36	15	46	2.61	−1.74	0.86	0	9	14	13	3	w.	Allen Smith
Mannington	Marion	985	30	69.7	+1.8	92	8	37	15	37	6.42	+2.20	2.06	0	11	15	13	2	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	72.8	+3.5	98	10	36	16	40	2.19	−2.31	0.43	0	8	18	12	0	sw.	Bruce Davis
New Cumberland	Hancock	671	35	73.0	+5.0	99	8	38	15	40	1.60	−3.01	0.85	0	7	16	8	6	n.	C. H. Hesse
New Martinsville	Wetzel	634	39	76.1	+5.0	102	21	40	15	45	1.90	−2.24	0.98	0	5	17	10	3	s.	Wm. Ankrom
Parkersburg	Wood	638	46	75.2	+3.8	98	8	41	15	36	1.24	−2.76	0.64	0	9	13	15	2	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	70.3	+3.5	96	8†	39	14	45	4.02	−1.08	......	0	9	11	16	3	......	J. W. Swisher
Philippi	Barbour	1,550	36	......	......	......	......	......	......	......	2.05	−2.74	0.55	0	9	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	30	67.4	+2.5	92	8	32	13	43	3.78	−2.38	1.05	0	9	24	2	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	......	......	......	......	......	......	......	3.15	......	2.11	0	6	24	6	0	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	......	......	......	......	......	......	......	2.14	−2.86	0.85	0	10	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	24	......	......	......	......	......	......	......	1.82	−2.23	0.84	0	9	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	32	67.0	+2.3	90	9	28	15	40	4.48	−1.81	1.33	0	10	7	9	14	w.	Okey Alkire
Thomas	Tucker	2,950	4	......	......	......	......	......	......	......	2.20	......	0.70	0	8	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	10	72.1	......	95	8†	37	15	40	0.76	......	0.35	0	5	16	11	3	w.	J. C. Campbell
Vandalia	Lewis	1,120	10	......	......	......	......	......	......	......	3.09	......	0.96	0	8	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	26	71.9	+4.0	100	8	33	15	46	2.19	−2.27	0.81	0	6	22	7	1	......	George P. Pfister
West Milford	Harrison	979	8	......	......	......	......	......	......	......	5.00	......	3.50	0	6	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	74.0	+3.6	98	9†	39	15	37	1.71	−2.99	0.86	0	6	10	19	1	......	A. Henry
Wheeling	Ohio	645	46	74.4	+3.9	104	8	32	15	50	4.33	+0.49	1.42	0	9	14	13	3	sw.	Miss M. B. Forsyth
Woodlands	Marshall	637	6	......	......	......	......	......	......	......	2.49	......	0.55	0	9	21	7	2	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	......	......	......	......	......	......	......	2.52	......	0.65	0	11	23	3	4	n.	H. S. Sutton
Bancroft	Putnam	574	29	74.8	+4.2	97	8	43	15	34	3.18	−1.18	1.15	0	5	22	0	8	sw.	Charles N. Long
Beckley	Raleigh	2,440	30	65.6	......	93	29	32	15	35	3.95	−0.35	1.28	0	11	15	13	2	......	L. A. Mauck
Bluefield [d]	Mercer	2,558	38	69.4	−0.7	93	8	38	14†	31	2.99	−1.54	0.77	0	9	7	13	6	......	Norfolk & Western Ry.
Charleston	Kanawha	600	30	[e]75.0	+2.1	98[e]	21	41[d]	14	38[i]	1.56	−2.42	0.71	0	5	21	3	6	......	D. J. M. Cook
Clay	Clay	706	17	......	......	......	......	......	......	......	3.59	−0.73	2.04	0	9	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	......	......	......	......	......	......	......	1.78	......	0.72	0	5	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	17	......	......	......	......	......	......	......	1.18	−2.82	0.32	0	7	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	17	......	......	......	......	......	......	......	0.69	−3.26	0.40	0	5	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	17	......	......	......	......	......	......	......	2.93	+0.28	2.15	0	4	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	......	......	......	......	......	......	......	3.87	......	1.45	0	6	......	......	......	......	Mrs. D. R. Gandinees
Gary	McDowell	1,426	17	71.9	+2.9	95	7	41	13†	36	2.17	−2.68	0.70	0	6	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	73.7	+3.3	100	8	44	14†	41	2.75	−1.50	0.87	0	10	23	3	4	......	Mrs. M. L. McClung
Huntington	Cabell	538	36	77.0	+4.2	100	8	46	14†	37	4.11	−0.01	2.72	0	4	13	15	2	ne.	H. N. Robinson
Kanawha Falls	Fayette	618	14	......	......	......	......	......	......	......	4.45	+0.37	2.08	0	5	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	17	......	......	......	......	......	......	......	2.01	−3.39	0.55	0	7	......	......	......	......	Cabin Creek. Con Coal Co
Kermit	Mingo	579	7	......	......	......	......	......	......	......	1.58	......	0.85	0	5	......	......	......	......	E. B. Kirk
Kingston	Fayette	1,481	3	......	......	......	......	......	......	......	1.10	......	0.50	0	4	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Rose Argabrite
Logan	Logan	700	30	......	......	......	......	......	......	......	2.38	−2.57	0.76	0	7	......	......	......	......	J. R. Wampler
Madison	Boone	675	12	74.6	+2.3	98	8†	43	13†	37	2.53	−1.63	1.40	0	4	23	5	2	......	W. E. Holy
Marlinton	Pocahontas	2,131	34	64.9	+0.6	92	8	34	14†	42	3.58	−1.23	0.88	0	10	8	22	0	sw.	S. L. Brown
Point Pleasant	Mason	595	40	75.4	+3.0	99	19†	41	15	43	6.64	+2.50	5.64	0	6	21	6	3	s.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	65.4	......	92	8†	31	15	46	3.39	......	0.75	0	11	18	2	10	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	74.5	+4.5	98	8†	40	15	41	2.92	−0.91	2.00	0	7	19	0	11	sw.	Lockmaster
Richwood	Nicholas	2,193	3	68.8	......	97	9	36	15	46	7.08	......	1.78	0	12	15	4	11	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	73.7	+2.6	101	8†	40	15	43	2.95	−0.89	1.50	0	5	27	0	3	......	M. Frazier
Ryan	Roane	700	30	70.2	+1.3	98	8	34	15	45	2.42	−2.12	0.60	0	7	21	7	2	......	Wm E. Ryan
Sharples	Logan	889	13	......	......	......	......	......	......	......	2.15	−2.64	1.05	0	4	......	......	......	......	R. W. Howard
Spencer	Roane	789	29	73.6	+4.0	100	29	39	15	40	3.59	−0.77	1.61	0	6	17	13	0	......	A. M. McKown
Sutton	Braxton	850	27	73.3	+2.0	98	8†	40	15	45	1.75	−3.42	0.60	0	6	24	0	6	......	C. B. Eakle
Union [d]	Monroe	2,250	29	68.8	+1.0	94	9	32	15	42	3.28	−0.61	1.59	0	7	11	13	2	......	W. M. H. Young
Wayne	Wayne	598	6	......	......	......	......	......	......	......	1.43	......	0.55	0	5	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	68.2	+0.2	94	9	34	14	41	1.15	−2.62	0.50	0	6	29	1	0	......	A. P. Spence
Williamson	Mingo	673	33	76.6	+4.1	101	7†	46	14†	39	2.25	−2.26	1.21	0	4	20	9	1	w.	J. E. Dotson
State averages and	extremes	......	....	71.4	+1.9	104	8	28	15	46	2.75	−1.62	5.64	0	7	18	9	3	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for June, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac				.27	1.03	.07	.82	.22		.09				.45		.07	.17							1.68	.52	.02	.09	.01				5.51
Brandywine	....do										.50			.05												T.	.35	.15					1.05
Circleville	....do				.15		T.	.14	.20		1.19			.15		T			T.							.08	.12	.31	.42				2.76
Harpers Ferry ||||	....do				.30				.45		.10	T.		.50				.61									.24		.02				2.22
Kearneysville	....do				.23			.17	.33					.49			.14	.50								.65	T.	.12					2.63
Martinsburg ||||	....do				.40	.02		.02	.65		.05	T.		1.80			.02	.60										T.					3.56
Piedmont	....do				.35	.18	.15	T	.40		.44						.10	.35									.35	.70	T.				3.02
Romney||||	....do				.28	.45		.27	.06					.18				.43									.10	.22					1.99
Stony River Dam	....do				.30	.70	.12		.16		.28			.19				.19									.61	.15					2.70
Upper Tract	....do				.10				.25	T.	.50			.10													.50						1.45
Wardensville||||	....do				.12		T.	.67	.18		T.		T.					.50									.03	.40	T.				1.90
Northern Division																																	
Aberdeen	Monongahela			.22		.03					.32			.88			T.	.11					T.			.02	.05						1.63
Alma (near)	Ohio				.36	.04	.01						.12				.19						.15			.46	.10				.15		1.58
Alpena	Monongahela				.34		.23		.60	T.	.53			.29	T.			.37									37		.33	.42	.23		3.71
Benson	....do				.30						.05		.03			.02	.02	.10															0.52
Bens Run	....do				.46	.08									.04		.10						.01			1.44	.45						2.58
Brownsville	....do				.25	.02					.58			3.70				.02									.18	.02	.14				4.91
Bruceton Mills	....do				.34	.94	T.			.11	.65		T.				.46						T.		T	T.		T.			.40		2.90
Buckhannon	....do				.16	T.	.08			T.	.26		.40	.70	T.		.12	T.					T.	T.	T.	T.	T.	T.	T.				1.72
Cairo	Little Kanawha				.07		.35				.30					.03		.07									3.42						4.24
Clarksburg||||	... do				.34	.02	.01	.15			.39			.65			.04	.20								.06	.02	.75					2.63
Crawford||||	....do				.36						.76			.99			T.	.13								T.	.11	T.	.06				2.41
Creston||||	Monongahela				.12			.10			.80			.40													.80	.07					2.29
Dam 10, Mon. R.||||	Ohio				.38	.32					.39			.04			.14	.32									1.96	.04					3.59
Dam 12, O. R.||||	....do				.12	1.07	.10	T.			.09						.04	.24									.30	.08			2.20		4.24
Dam 13, O. R.||||	Monongahela				.40	.13	.12	.03			.35						.05	.25									.28	.23					1.84
Dam 15, Mon. R.||||	....do				.27	.28	.01	.31			.32			T.			.04	.29						T.			.13						1.65
Davis ||||	....do				.10	.06	.05		.30			.40		.10		T.		T.								T.	T.		T.		.50		1.51
Elizabeth(D'm 3 LK)	Little Kanawha				.06			.10			.32			.58				.03									1.77	.06			.03		2.95
Elkins***	Monongahela			.40	T.	.06	.03		.38	.67	.03		.70	.03	T.		.21								.05	.84	1.17	.36	.01		.08		5.02
Fairmont||||	....do				.34	.39	.03	.19			.46			.15		.03	.12	.26									.13						2.10
Glenville ||||	Little Kanawha				.13			.08			.10			.75				.06									.36	1.29		T.	.02		2.79
Grafton ||||	Monongahela				.32	.18	.08				.14				T		.35						T.			T.	T.	.25			.28		1.60
Horner	....do										.28		2.30														.25	.30					3.13
Horton	....do				.30		.20		.16	.76				.30		T.		.17								T.	.29	.25	T		.19		2.62
Janelew (near)	....do				.25	.05					.35			.85														.85					2.35
Lost Creek	....do				.15	.02	T.				.49		.79	.06			.09								.56	.10	T.		.38		T.		2.64
Mannington	....do				.75	.82	1.02				.13		.85				.32	.01					.09			2.02	.04				.37		6.42
Morgantown	....do			T.	.35								T.	.43			.23	.24					T.			.22	.38	.24			.10		2.19
New Cumberland||||	Ohio				.30	.85	T.									T.	.14	.21					.01				.02	T.			.07		1.60
New Martinsville	....do				.45	.05											.32									.98					.10		1.90
Parkersburg***	....do			.26	.01	T	.06			.03			.04				.04						T.			.16	.55		T.	T.	.09		1.24
Parsons	Monongahela			.45	.36	.49			*	.90			.50				.20	T.							T.		T	.56			.56		4.02
Philippi	....do				.32	.38	.04				.42			.55			T.	.22								.02	.02	.08					2.05
Pickens	....do				.13		.10		.92	.12						.77										.10	.53	.52	.59				3.78
Roanoke	....do				.12						.51			2.11				.19									.07	.15					3.15
Rowlesburg||||	....do				.29	.80	.05		.04		.27			.06		.03	T.	.49										.09	.02				2.14
Saint Marys||||	Ohio				.28	T.	.02	T			.84			T.		.07		.11						.02			.06	.02		.40			1.82
Terra Alta	Monongahela				.42	1.33	.02		.49	.10				.03	T.		.38	.17					T.	T.	T.	.37		1.17	T.		T.		4.48
Thomas ||||	....do				.32	.62	.08		.18		.30			.31				.30									.09						2.20
Valley Chapel	....do				.19						.35			T.			T.	.04								.10	.08		T.	T.			0.76
Vandalia	....do				.26					.41	.26		.47	.96													.13	.13	.47				3.09
Wellsburg	Ohio				.26	.65	T.								T.		.37									.10	T.			.06	.75		2.19
West Milford	Monongahela				.55					.45			.30				.20								2.00	1.50							5.00
Weston	....do				.24						.32			.86				.05									.08	.16					1.71
Wheeling||||	Ohio				.33	.65	.40	T.			.38						.04	.20									1.42	.01			.90		4.33
Woodlands||||	....do				.28	.55	.01				.16						.04	.18									.50	.27			.50		2.49
Southern Division																																	
Arbovale	Great Kanawha				.05		.35		.04	.30			.20					.05						.65		.10	.12	.16	.50				2.52
Bancroft ||||	....do										.40		.75	1.15													.48	.40					3.18
Beckley	....do						1.28			.83	.15		.09	.03				.20							.08	.77	.13	.06	T.	.33			3.95
Bluefield	....do						.39			.77	.73		.33					.02		.02					.01		.70		.02				2.99
Charleston ||||	....do							.23			.71			.49													.06	.07					1.56
Clay||||	....do				.41	.01		.48		.40	1.64			.43				.04									.12	.06					3.59
Dam 6 G. K ||||	....do							.24			.72			.51													.13	.18					1.78
Dam 19 O. R. ||||	Ohio				.30		.21	.24			.06					T.		.01						T.			.32	.04					1.18
Dam 20 O. R. ||||	....do				.06		.05	.04																			.40	.14					0.69
Dam 25 O. R. ||||	....do						.10	.24						.32												.12	.83	.53					2.14
Dam 26 O. R. ||||	....do							.25						.38													2.15	.15					2.93
Durbin	Great Kanawha						.10	.72	1.25		1.45																	.10		.25			3.87
Gary ||||	Big Sandy							.21			.70														.42	.49	.03	.32					2.17
Hinton||||	....do							.55			.44			.08				.03	.14					.03	.08	.20	.87	.33					2.75
Huntington	Ohio						.41							2.71	.01			T.	T.								.98				T.		4.11
Kanawha Falls||||	Great Kanawha							.86			1.20			.28				.03										2.08					4.45
Kayford||||	....do						.55				.26			.46				.01								.13		.38			.22		2.01
Kermit||||	Big Sandy				.10						.85			.36				.12									.15						1.58
Kingston	Great Kanawha						.50				.40				.11			.09															1.10
Lewisburg	.. do																																
Logan||||	Guyandotte							.11			.76		.11					.07	T.						.62		.26	.45					2.38
Madison	Great Kanawha						.27			.83	T.		1.40	T.			.03										T.						2.53
Marlinton	....do				.14				.40		.40		.88					T.						.04	.26	.56	.60	.08	.22				3.58
Point Pleasant||||	Ohio						.16	.22			.08			.54													2.26	3.38					6.64
Rainelle	Meadow Creek				.20		.36			.06	.45			.02				.10						.27	.26	.66	.75	.26	T.				3.39
Ravenswood(Dam 22	Ohio||||				.03		.02	.11			.02			.16													2.00	.58					2.92
Richwood	Great Kanawha				.38		.08		.03	.28	1.50			.52				.10								.94	.76	.20	1.25	1.04			7.08
Robertsburg||||	....do						.03				.39			1.50													.83	.20					2.95
Ryan	....do				.60		.11			.39			.32	.41			.03										.56						2.42
Sharples||||	Coal River							.40			.60		.10						T								1.05						2.15
Spencer ||||	Great Kanawha				.20			.20			.38			1.61				T.									1.12	.08					3.59
Sutton	Gauley				.10						.35			.60				.10									.10	.50					1.75
Union	....do						.31		.05		.76													.42	.05		1.59	.10					3.28
Wayne ||||	Big Sandy							.23			.18			.55													.16	.31					1.43
White Sulpr. Spgs.||||	Great Kanawha							.05			.50															.20		.25	.10	.05			1.15
Williamson||||	Big Sandy							T			1.21			.11				.04									.89						2.25

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

larksburg { Evaporation	.171	.199	.185	.273	.175	.209	.173	.200	.254	.281	.146	.255	.282	.189	.098	.215	.030	.274	.208	.229	.265	.312	.129	.277	.226	.155	.180	.210	.189	.167	....	6.156
Wind movement	60	58	16	47	26	35	24	21	19	28	9	8	60	72	38	33	28	54	21	20	26	38	26	39	21	22	17	15	12	8	....	901

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for June, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	66	73	80	79	80	82	87	92	91	81	88	85	79	55	65	62	75	70	83	85	89	85	83	82	81	80	83	86	88	87	....	80.1
	Minimum	35	34	44	54	52	55	52	60	59	59	49	55	46	32	28	48	54	33	45	51	50	53	51	50	51	60	57	55	55	57	....	49.5
Brandywine	Maximum	70	80	86	85	90	89	95	97	95	80	92	91	76	70	70	72	82	80	89	92	95	92	88	85	86	85	87	90	93	96	..	85.9
	Minimum	47	41	45	54	55	60	55	60	62	61	56	57	55	33	37	50	55	40	45	53	52	54	56	57	56	60	62	62	61	65	....	53.5
Kearneysville	Maximum	69	74	91	91	87	87	92	93	97	90	92	95	86	63	72	69	79	76	87	95	97	92	88	86	84	85	86	87	91	95	....	85.9
	Minimum	50	46	49	49	59	63	62	65	70	68	58	67	57	44	39	57	58	45	52	65	60	66	59	63	58	66	67	65	65	70	....	58.7
Martinsburg*	Maximum	72	80	96	88	92	90	95	97	102	90	97	100	77	65	78	68	84	80	90	100	102	93	92	90	87	86	87	88	95	..	...	88.3
	Minimum	52	46	50	56	63	65	64	66	72	70	62	61	59	44	43	39	57	48	53	58	64	62	62	62	60	67	69	67	67	70	....	59.3
Moorfield	Maximum	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Piedmont	Maximum	70	74	87	84	86	86	92	95	94	87	91	90	73	57	71	71	79	75	88	91	94	92	85	86	85	86	83	87	89	94	.	84.1
	Minimum	45	44	51	59	61	62	62	63	59	65	59	58	54	38	34	55	58	42	50	60	58	63	58	69	59	65	67	66	65	65	....	57.1
Romney*	Maximum	73	78	91	89	89	85	94	98	99	89	95	94	78	62	74	71	82	79	92	96	98	92	89	86	88	86	89	92	94	..	....	87.0
	Minimum	45	42	45	59	61	62	61	65	68	67	58	64	55	41	36	43	57	42	50	59	59	65	59	61	58	66	66	67	63	67	....	57.0
Upper Tract	Maximum	75	76	80	78	77	77	95	96	92	82	89	..	60	53	65	69	70	72	83	85	87	..	79	78	80	78	77	81	84	85	....	78.7
	Minimum	41	42	46	55	55	55	56	57	63	61	56	..	50	36	35	50	40	41	47	48	54	..	56	55	59	61	62	59	60	61	....	52.2
Wardensville	Maximum	72	68	75	88	73	..	..	..	95	94	83	89	89	69	59	68	73	78	71	85	89	91	86	82	..	82	81	83	84	89	....	80.6
	Minimum	..	..	..	..	..	..	..	..	64	65	56	60	56	38	35	53	54	41	47	56	50	58	58	57	..	55	65	65	60	65	.	55.1
Northern Division																																	
Alpena	Maximum	63	71	78	76	78	77	82	90	89	81	88	82	66	52	63	64	73	70	82	82	85	79	82	81	82	78	81	89	87	85	...	77.9
	Minimum	40	35	40	53	50	55	52	57	58	57	51	53	48	32	31	42	51	36	42	50	49	51	49	51	54	59	58	58	60	60	...	49.4
Bens Run	Maximum	74	85	91	89	89	87	96	100	98	91	96	96	77	62	74	75	85	85	95	97	99	91	93	96	94	86	94	98	97	96	....	89.5
	Minimum	51	52	53	61	64	67	68	74	75	67	67	70	50	49	54	42	51	51	58	63	63	69	69	62	69	68	68	71	74	72	...	62.4
Buckhannon	Maximum	65	70	81	81	81	79	87	89	90	82	88	85	69	59	64	68	76	73	84	86	88	85	85	85	86	81	76	87	89	90	...	80.3
	Minimum	49	47	57	58	60	64	60	70	70	65	64	65	54	43	40	53	59	47	52	59	58	64	60	61	62	65	64	66	66	68	....	59.0
Cairo	Maximum	74	80	87	86	86	82	94	96	95	88	93	94	92	84	83	72	83	85	93	95	95	90	91	92	91	85	91	94	95	94	....	88.7
	Minimum	44	45	51	60	58	62	64	69	70	64	63	65	54	40	36	52	55	43	48	50	55	60	58	56	61	65	65	73	67	69	....	57.4
Clarksburg*	Maximum	70	81	82	84	87	85	95	97	99	88	95	92	75	61	71	70	82	82	91	93	95	88	88	94	93	88	90	92	95	95	....	85.6
	Minimum	48	45	51	57	58	62	60	69	70	65	63	64	52	41	39	50	55	44	49	57	55	62	60	58	60	64	65	65	66	67	..	57.4
Creston	Maximum	71	82	89	88	89	86	96	98	97	89	94	94	71	64	75	75	86	85	96	97	96	94	93	93	94	85	90	96	97	95	...	88.5
	Minimum	43	46	52	57	57	61	64	67	69	64	62	65	58	43	38	50	55	44	50	56	55	59	60	58	60	67	68	65	66	68	...	57.6
Elkins	Maximum	64	70	81	80	82	80	90	92	93	85	91	86	60	54	64	68	76	72	84	86	89	82	85	85	83	80	83	88	89	90	....	80.4
	Minimum	44	43	46	56	57	61	56	64	63	61	59	60	43	38	40	50	54	42	48	54	54	60	56	59	60	63	64	64	63	64		54.9
Fairmont*	Maximum	71	84	90	83	87	79	97	101	100	90	98	93	75	63	75	66	81	83	94	98	100	92	94	98	97	90	94	97	94	..	....	88.4
	Minimum	48	48	54	59	65	65	63	68	74	65	64	67	51	41	38	50	55	46	53	60	61	65	62	62	64	67	65	67	68	69	.	59.5
Glenville	Maximum	75	81	88	86	89	87	97	94	93	94	96	96	88	64	74	73	86	84	95	94	96	96	94	95	92	88	91	95	97	97	.	89.2
	Minimum	45	49	53	60	60	63	63	69	73	64	65	66	53	43	42	52	58	47	51	60	60	60	63	60	63	68	67	69	68	70	....	59.5
Grafton	Maximum	71	79	89	81	85	87	94	98	96	91	95	93	70	55	73	65	84	76	93	95	98	96	92	93	92	86	92	96	93	95	.	86.6
	Minimum	43	45	49	56	57	62	60	65	67	62	63	63	50	43	40	50	53	58	56	57	57	60	60	60	62	65	65	65	66	67	....	57.5
Lost Creek	Maximum	72	83	87	88	86	87	97	100	97	96	97	92	68	60	63	71	82	83	93	94	97	90	90	93	92	88	92	93	93	94	....	87.3
	Minimum	43	41	49	54	56	60	57	67	63	66	67	61	50	40	36	48	56	40	47	54	54	56	58	55	58	63	64	63	63	65	....	55.1
Mannington	Maximum	69	76	84	81	83	82	90	92	91	85	88	87	70	59	68	66	79	75	87	89	91	85	84	88	87	82	86	89	88	91	....	82.4
	Minimum	44	43	51	58	57	63	61	66	70	65	60	64	50	41	37	54	55	43	50	56	57	60	59	58	60	65	64	65	68	66	....	57.0
Morgantown	Maximum	76	72	84	84	87	88	92	95	94	98	96	90	71	76	79	76	78	76	76	92	94	95	92	90	91	90	92	92	92	92	...	86.7
	Minimum	45	47	47	59	59	60	61	68	73	74	63	67	50	45	63	36	45	43	63	56	66	62	62	57	69	66	66	56	65	70	...	58.8
New Cumberland*	Maximum	73	82	87	87	86	91	96	99	94	92	95	80	74	61	74	69	77	82	92	96	98	84	89	97	92	86	95	97	97	97	....	87.3
	Minimum	46	47	52	58	62	63	66	69	73	65	63	69	50	39	38	51	55	46	52	57	60	63	55	57	70	67	66	64	68	65	..	58.6
New Martinsville	Maximum	75	85	90	86	88	90	98	101	101	97	100	96	82	65	77	77	86	87	97	101	102	93	98	99	96	98	100	99	97	99	....	92.0
	Minimum	46	48	54	59	60	65	65	72	73	66	65	67	54	45	40	55	56	46	52	58	59	65	62	58	65	76	66	69	70	69	....	60.2
Parkersburg	Maximum	72	80	88	88	87	84	95	98	94	88	94	88	68	60	75	74	85	83	94	96	97	87	88	92	94	85	92	95	93	97	..	87.0
	Minimum	50	54	58	64	66	66	72	75	67	67	67	68	51	46	41	61	63	53	58	63	63	74	67	65	70	69	69	70	73	75	...	63.5
Parsons	Maximum	68	78	83	81	84	85	95	96	96	91	94	91	70	65	70	68	80	78	89	91	94	86	91	86	90	86	88	92	93	93	..	85.1
	Minimum	44	43	47	56	56	60	60	63	62	62	60	60	50	39	40	48	55	44	41	55	55	60	59	60	60	65	65	65	64	64	...	55.5
Pickens	Maximum	66	73	82	80	84	85	91	92	90	82	90	86	70	65	68	76	75	86	85	90	88	87	87	88	81	78	78	83	89	90	..	82.2
	Minimum	41	39	47	54	55	54	54	61	60	57	58	56	32	34	43	53	40	43	47	55	58	55	54	62	62	61	61	60	58	64	..	52.6
Terra Alta	Maximum	64	71	80	78	79	80	86	89	90	82	87	84	67	52	63	59	73	70	81	85	88	84	81	82	81	78	80	85	87	86	....	78.4
	Minimum	40	35	40	56	57	60	55	59	63	62	53	59	45	46	28	48	53	35	52	52	54	74	74	73	65	66	66	67	75	60	.	55.7
Wellsburg	Maximum	74	84	87	87	86	90	96	100	96	93	97	84	72	66	74	68	81	82	95	97	99	90	90	98	93	93	96	98	92	95	....	88.4
	Minimum	41	43	50	56	58	60	60	65	70	63	60	63	49	35	33	54	56	41	49	54	54	60	50	52	65	66	63	60	66	66	....	55.4
Weston	Maximum	74	75	86	94	86	88	94	96	98	95	94	93	91	65	68	70	84	83	91	92	95	89	92	94	93	90	93	92	96	98	...	88.3
	Minimum	49	48	54	60	62	63	62	70	71	60	64	65	64	44	39	55	60	46	54	60	59	64	62	60	64	66	65	64	67	70	..	59.7
Wheeling*	Maximum	75	85	90	90	91	93	99	104	101	92	100	90	85	64	78	85	89	95	98	100	102	95	95	99	94	92	98	100	95	99	....	92.1
	Minimum	41	43	55	53	55	60	62	66	78	61	60	83	48	37	32	52	40	45	50	50	68	59	52	60	65	64	62	70	66	65	...	56.7
Southern Division																																	
Beckley	Maximum	64	74	82	74	76	74	84	89	84	74	76	60	58	49	42	72	81	66	79	81	88	89	89	81	83	80	84	85	93	92	...	76.8
	Minimum	47	39	48	53	52	58	59	63	62	59	59	58	49	33	32	39	53	55	49	57	54	55	56	62	63	63	64	59	63	64	....	54.3
Bluefield	Maximum	65	75	82	..	84	83	90	93	90	73	..	85	72	60	65	75	80		85	88	89	89	87	77	..	81	85	86	89	89	....	81.5
	Minimum	49	44	51	..	55	62	62	67	64	58	.	60	54	38	38	41	60	..	58	61	58	60	62	64	..	63	64	60	63	68	....	57.2
Charleston*	Maximum	71	84	..	90	95	90	97	97	95	..	92	91	69	67	72	78	..	87	93	96	98	92	92	.	94	85	90	94	96	..	....	88.4
	Minimum	52	51	55	..	61	66	66	72	74	67	..	61	59	41	45	50	55	..	58	63	62	64	66	66	..	69	70	70	70	71	...	61.7
Gary*	Maximum	68	76	84	85	88	85	95	94	93	84	90	76	72	70	78	80	85	84	89	91	92	92	92	84	80	83	87	91	91	93	..	85.1
	Minimum	49	45	50	56	55	63	63	66	71	62	65	65	41	41	43	56	58	60	56	60	56	58	63	63	67	66	67	65	65	65	...	58.7
Hinton*	Maximum	72	80	89	88	93	87	99	100	97	81	94	85	69	66	75	78	87	87	94	95	98	95	93	87	83	87	91	89	98	97		87.8
	Minimum	55	48	53	56	58	[illegible]	64	66	72	64	66	67	59	44	44	45	50	57	53	60	58	58	63	65	68	67	67	67	67	68	....	59.6
Huntington	Maximum	74	85	90	90	90	89	97	100	97	89	96	97	71	70	76	76	90	86	98	99	98	94	93	93	95	90	94	95	98	98	...	90.3
	Minimum	49	54	58	65	62	69	70	72	76	67	68	68	57	46	46	53	62	62	61	63	63	66	67	66	68	70	68	70	74	73	.	63.8
Lewisburg	Maximum	.	..	..	..	..	..	..	.	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..
	Minimum	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..		..	..	..	..	..	..	..		....	....
Madison	Maximum	71	80	87	89	91	88	96	98	95	85	93	90	68	69	73	78	88	86	93	95	96	92	93	90	93	90	94	98	98	98	..	88.5
	Minimum	48	52	60	57	65	62	67	78	64	67	67	57	43	43	46	58	61	56	60	58	60	64	61	66	67	67	66	67	67	65	...	60.6
Marlinton	Maximum	64	72	80	80	84	80	86	92	88	86	82	84	62	60	62	70	76	74	82	86	88	84	82	78	78	76	80	82	84	86	...	78.9
	Minimum	44	38	42	52	52	52	52	58	60	54	48	52	46	34	34	40	54	44	40	50	52	52	54	56	62	60	62	60	60	62	....	50.9
Point Pleasant	Maximum	75	84	90	90	91	88	96	98	97	92	97	97	69	69	76	75	90	90	99	99	99	95	94	95	96	99	96	96	98	98	...	90.9
	Minimum	46	51	54	62	60	63	66	69	71	63	63	64	54	42	41	51	60	52	56	58	60	62	63	61	64	66	65	68	69	70	....	59.8
Rainelle	Maximum	63	73	81	80	86	83	89	92	92	78	86	84	70	61	66	72	79	77	87	88	90	88	84	79	74	73	82	83	87	90	....	80.6
	Minimum	37	38	43	34	47	55	55	61	64	58	57	56	53	33	31	37	42	45	43	50	47	47	52	57	63	60	60	60	59	61	....	50.2
Ravenswood	Maximum	73	84	87	88	89	89	95	98	98	88	93	93	74	65	75	73	87	86	96	97	98	98	92	92	95	88	91	94	96	94	....	88.9
	Minimum	46	49	54	62	60	63	68	71	72	66	64	66	54	41	40	52	57	47	55	57	59	63	66	61	67	67	67	68	70	72	....	60.1
Richwood	Maximum	66	72	82	84	88	89	93	95	97	82	87	86	87	60	65	69	77	79	92	89	91	93	89	90	91	82	84	84	91	89	....	84.1
	Minimum	47	41	45	58	53	60	57	62	63	60	56	58	52	37	36	42	54	46	46	52	52	53	56	54	66	54	65	62	59	62	....	53.6
Robertsburg*	Maximum	78	81	85	93	90	94	96	101	96	98	85	94	75	61	72	74	78	83	89	101	96	96	94	92	98	83	85	92	93	100	...	88.4
	Minimum	47	49	54	61	59	64	61	68	71	63	63	63	54	42	40	49	59	53	57	58	58	61	63	61	64	66	63	67	66	57	...	59.0
Ryan	Maximum	70	75	85	85	85	85	95	98	96	85	85	75	70	65	70	70	80	80	95	95	95	95	95	90	90	88	90	95	95	95	...	85.7
	Minimum	48	44	57	57	56	59	68	68	64	49	58	62	50	37	34	42	55	44	50	55	54	50	58	59	55	59	60	64	60	64	..	54.7
Spencer*	Maximum	72	79	83	87	88	85	95	98	96	87	95	93	68	63	72	72	86	84	95	95	95	89	91	91	93	85	90	93	100	96	...	87.2
	Minimum	47	48	55	63	61	64	65	71	72	65	64	68	51	42	39	47	60	49	55	59	60	63	63	62	65	68	65	67	68	70	....	59.9
Sutton	Maximum	68	75	87	87	90	90	95	98	98	96	94	94	93	61	70	73	80	84	94	94	96	96	90	93	96	96	90	92	92	96	...	88.6
	Minimum	46	45	50	59	58	62	60	68	67	66	64	63	56	41	40	48	50	58	49	58	57	59	60	61	61	67	69	66	66	67	....	58.0
Union	Maximum	69	78	85	..	86	87	92	93	94	89	..	89	71	65	69	73	82	..	88	91	92	92	87	85	..	76	86	86	90	91	....	84.1
	Minimum	49	40	45	..	50	57	57	62	64	57	..	59	57	35	32	39	54	..	46	52	52	51	59	62	..	60	63	61	61	64	....	53.4
White Sulphur Spgs.	Maximum	70	69	77	83	83	86	82	90	94	93	87	87	85	69	63	70	77	82	82	89	90	92	92	90	81	82	80	84	82	90	....	82.7
	Minimum	41	40	45	57	53	56	55	60	65	58	60	58	57	34	36	39	50	47	46	57	51	51	56	61	61	61	64	64	63	63	..	53.6
Williamson*	Maximum	74	84	91	91	92	94	101	101	96	86	94	88	69	69	77	82	90	92	97	99	99	95	96	91	92	93	95	97	99	100	...	90.8
	Minimum	51	51	55	60	61	68	69	73	75	65	69	69	60	46	46	48	57	62	61	64	60	62	65	65	68	68	68	69	69	70	....	62.5

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day. on which it almost always occurs

(WBO. Cleveland, 7-21-33—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

ROBERT P. POWELL, Meteorologist

VOL. XLI PARKERSBURG, W. VA., JULY, 1933 No. 7

GENERAL SUMMARY

The month was somewhat cool and sunshiny, with the rainfall well above the July average. This was the coolest July since 1927. The rainfall varied considerably over the section, being generally in the form of thundershowers. Cool weather for the season prevailed on the 4th, with light frosts in some of the mountain districts. The highest temperatures occurred on the 1st and 23d, with readings near or slightly above 100 degrees. Lightning caused some damage in scattered localities of Wood County on the 24th. The weather was mostly favorable for growth and farm work. At the close of the month, corn was generally in good condition and much of the early planted laid by; potatoes were being dug with yield considerably below the average; wheat, hay, and oats were harvested with yields averaging from fair to poor. High winds prevailed on the 1st with practically no damage.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 72.6° or 0.4° below the normal. The temperature was above the average on the 1st, 20th to the 24th, and from the 29th to the 31st, with the highest readings occurring generally on the 23d. Cool weather prevailed from the 2d to the 12th, and from the 14th to the 18th, with the lowest temperatures on the 4th. The highest monthly mean was 77.4° at Huntington, and the lowest, 65.2° at Alpena. The highest temperature was 104° at New Martinsville on the 23d, and the lowest, 36° at Alpena and Bayard on the 4th, making the monthly range for the State 68°. The greatest daily range was 50° at Parsons.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 5.21 inches, which was 0.64 inch more than the normal. Most of the precipitation was received from the 1st to the 3d, 9th to the 11th, 15th and 16th, and from the 24th to the 28th. The greatest monthly precipitation was 8.52 inches at Crawford, and the least, 1.94 inches at Ravenswood. The greatest amount in any 24 consecutive hours was 4.34 inches at Wardensville on the 3d. The average number of days with .01 inch or more of precipitation was 10.

LIGHT HAIL

Light hail fell at Arbovale, Pocahontas County, on the 21st, doing no damage.

HEAVY HAIL

Heavy hail fell over the north-central sections of Brooke County, on the 24th at 2:30 p. m. The stones averaged about 3-4 inch in diameter. Width of storm path about one mile; length unknown. Damage was confined mostly to crops. Estimated loss was about $1,100.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 14th; Bens Run, 5th, 6th, 17th, 19th, 20th, 21st, 22d, and 25th; Elkins, 4th, 6th, 8th, 12th, 18th, and 20th; Hinton, 17th, 21st, 29th, and 31st; Marlinton, 4th to the 8th, 11th, 13th, 14th, 17th, 19th, 21st, 22d, 23d, 25th, and 29th; Morgantown, 17th; New Cumberland, 20th; Parkersburg, 7th.

Thunderstorms (dates and number of stations reporting): 1st, 19; 2d, 22; 3d, 12; 9th, 3; 10th, 5; 11th, 2; 14th, 1; 15th, 11; 16th, 10; 20th, 4; 21st, 1; 23d, 4; 24th, 15; 25th, 3; 26th, 1; 27th, 2; 30th, 1; 31st, 2.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.02	30.39	4	29.79	1	5.8	21	ne.	2	76	51	56	78
Columbus, Ohio	30.02	30.42	4	29.78	1	8.6	31	w.	24	71	45	49	64
Elkins	30.06	30.43	4	29.82	2	4.4	18	se.	24	88	54	74	60
Parkersburg	30.06	30.45	4	29.80	2	5.0	38	nw.	1	79	53	65	60
Pittsburgh, Pa	30.04	30.44	4	29.79	15	8.0	32	n.	1	71	46	52	70
Wytheville, Va	30.01	30.38	4	29.75	11	5.0	18	e.	3	81	54	69	54

COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	67.5	−5.5	.....	.....	5.59	+1.02	.....	.....	.....	...	...	...	...
1892	73.4	+0.4	98	41	4.20	−0.37	.....	.....	.....	9	...	...	...
1893	73.8	+0.8	98	42	2.96	−1.61	5.95	1.37	.....	9	20	10	1
1894	73 3	+0.3	100	36	2.21	−2.36	4.84	0.50	.....	7	10	19	2
1895	70.5	−2.5	99	39	4.35	−0.22	7.04	1.65	.....	9	11	13	7
1896	73.3	+0.3	97	46	9.07	+4.50	**15.70**	2.91	.....	14	9	12	**10**
1897	74.2	+1.2	102	46	5.43	+0.86	9.92	2.85	.....	13	11	12	8
1898	75.0	+2.0	103	40	4 46	−0.11	8.33	1.53	.....	13	12	7	12
1899	73.3	+0.3	100	33	3.78	−0.79	7.92	0.20	.....	9	14	10	7
1900	74.7	+1.7	104	41	4 38	−0.19	7.88	1.72	.....	13	15	11	5
1901	77.4	+4.4	104	47	3.16	−1.41	6.21	0.69	.....	9	14	12	5
1902	74.2	+1.2	104	45	3.54	−1.03	8.42	0.96	.....	8	14	12	5
1903	72.5	−0.5	100	37	3.74	−0.83	8.30	1.82	.....	10	16	10	5
1904	71.5	−1.5	97	42	3.28	−1.29	6.00	1.04	.....	10	14	12	5
1905	73.3	+0.3	98	43	5.92	+1.35	10.64	3.00	.....	14	12	11	8
1906	72.4	−0.6	98	45	4.54	−0.03	7.40	1.50	.....	12	12	11	8
1907	72.7	−0.3	98	42	6.66	+2.09	13.36	1.99	.....	13	12	14	5
1908	74.0	+1.0	100	41	5.21	+0.64	9.43	2.08	.....	11	14	13	4
1909	70.2	−2.8	96	36	4.17	−0.40	10.50	0.60	....	11	14	11	6
1910	73.8	+0.8	98	41	4.92	+0.35	13.16	0.54	.....	11	13	12	6
1911	73.3	+0.3	106	40	2.82	−1.75	6.94	0.40	.....	5	16	12	3
1912	72.0	−1.0	100	45	7.48	+2.91	15.22	2.67	.....	13	12	12	7
1913	74.2	+1.2	103	40	5.80	+1.23	10.07	2.14	.....	12	15	12	4
1914	73.1	+0.1	106	38	4.11	−0.46	7.74	0.98	.....	7	16	10	5
1915	71.9	−1.1	99	38	4.63	+0.06	11.31	1.82	.....	13	12	11	8
1916	74.8	+1.8	102	42	3.49	−1.08	9.47	1.06	.....	9	16	8	7
1917	72.6	−0.4	104	44	4.83	+0.26	8.27	1.25	.....	12	14	10	7
1918	70.3	−2.7	101	38	3.18	−1.39	6.90	1.04	.....	8	17	7	7
1919	74.3	+1.3	104	41	5.51	+0.94	13.08	1.96	.....	10	18	7	6
1920	70.1	−2.9	99	40	4.84	+0.27	8.94	2.34	.....	10	16	8	7
1921	75.6	+2.6	101	44	3.58	−0.99	8.90	1.08	.....	9	16	10	5
1922	72.9	−0.1	99	43	4.53	−0.04	8.05	1.33	.....	11	15	8	8
1923	71.7	−1.3	100	37	4.70	+0.13	9.46	2.22	.....	10	16	8	7
1924	70.0	−3.0	99	36	4.49	−0.08	7.63	1.65	.....	11	16	9	6
1925	72.2	−0.8	102	31	5.05	+0.48	7.84	1.08	.....	11	13	11	7
1926	72.6	−0.4	107	37	4.45	−0.12	8.07	0.83	.....	10	15	8	8
1927	72.3	−0.7	100	36	5.09	+0.52	12.40	1.65	.....	10	15	9	7
1928	73.5	+0.5	102	35	4.23	−0.34	8.97	1.10	.....	11	15	10	6
1929	72.7	−0.3	104	32	4.09	−0.48	10.61	0.80	.....	10	15	10	6
1930	74.9	+1.9	**109**	34	1.90	−2.67	7.02	**0.06**	.....	6	21	7	3
1931	76.8	+3.8	108	42	4.78	+0.21	10.74	0.93	.....	10	17	9	5
1932	73.1	+0.1	102	40	6.02	+1.45	15.56	1.02	.....	12	17	8	6
1933	72.6	−0.4	104	36	5.21	+0.64	8.52	1.94	.....	10	15	9	7
Period	73.0	......	109	31	4.57	....	15.70	0.06	......	10	14	11	6

Climatological Data for July, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	66.4	−1.0	92	23	36	4	42	4.90	−0.13	1.59	0	14	20	5	6	nw.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	71.2	+0.1	96	1†	42	4	43	5.30	+1.95	1.55	0	13	17	3	11	sw.	Elmer Keister
Circleville	Pendleton	......	1	......	......	......	......	......	......	..	8.21	......	1.85	0	16	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	......	......	......	......	......	......	....	3.39	0	2.00	0	7	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	3	74.0	......	99	1	46	4	34	3.85	......	1.49	0	6	24	5	2	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}76.8	+1.3	102^{a}	1	54	14	38^{a}	3.75	+0.14	2.55	0	7	27	3	1	se.	Dr. H. S. Gardner
McNeill^{c}	Hardy	900	37	72.7	−1.8	100	23	45	4†	45	......	......	......	0	......	5	16	7	w.	John W. McNeill
Piedmont	Mineral	1,053	20	72.8	+0.8	96	23	48	4	34	3.42	0	1.35	0	9	15	16	0	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	^{a}74.4	−0.4	100^{a}	23	44	4	46^{a}	4.41	+1.01	1.70	0	6	19	6	6	......	George E. Bergdoll
Stony River Dam	Grant	3,300	13	......	......	......	......	......	......	....	6.57	+2.38	1.35	0	12	6	8	17	w.	A. C. Becker
Upper Tract^{a}	Pendleton	1,230	34	68.0	−3.5	90	31	43	4	41	4.50	+1.11	2.10	0	9	......	......	......	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	12	70.4	......	98	1	43	4	37	6.77	+3.39	4.34	0	6	20	7	4	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	......	......	......	......	......	......	....	5.52	......	1.95	0	12	9	18	4	w.	L. Else Bond
Alma (near)	Tyler	800	6	......	......	......	......	......	......	....	5.45	......	1.50	0	11	19	6	6	......	D. N. Furbee
Alpena	Randolph	2,571	3	65.2	......	88	22†	36	4	39	6.17	......	1.39	0	13	11	17	3	w.	Christian Hertig
Benson	Harrison	1,080	9	71.2	......	97	22†	44	4	37	5.15	......	1.03	0	11	17	11	3	......	R. D. Marts
Bens Run	Pleasants	652	31	77.0	+2.1	102	23	55	4	31	4.36	−0.25	1.11	0	8	23	7	1	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	73.2	......	97	23†	46	4	42	6.26	......	1.52	0	11	16	13	2	......	George M. Meyers
Bruceton Mills	Preston	1,549	16	......	......	......	......	......	......	....	4.13	−0.90	1.60	0	7	17	10	4	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	71.1	−0.6	90	23	44	4	34	5.04	−0.01	2.10	0	9	16	14	1	......	H. A. Darnall
Cairo	Ritchie	680	32	73.0	−1.2	98	23	48	4†	38	4.63	−0.01	1.15	0	11	20	4	7	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	73.3	−0.1	99	23	45	4	38	4.46	+0.89	1.28	0	10	16	10	5	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	......	......	......	......	......	......	....	8.52	......	2.07	0	11	12	14	5	sw.	George W. Blair
Creston	Wirt	640	31	73.8	−0.9	98	23	48	4	36	6.26	+2.07	2.56	0	10	13	7	11	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	12	......	......	......	......	......	......	....	3.94	−0.13	1.39	0	9	......	......	......	......	Lockmaster
Dam 12 O. R.	Ohio	660	17	......	......	......	......	......	......	....	4.57	+0.93	1.45	0	7	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	17	......	......	......	......	......	......	....	3.21	−0.78	1.33	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	12	......	......	......	......	......	......	....	2.97	−0.88	1.24	0	11	......	......	......	......	Lockmaster
Davis	Tucker	3,093	24	......	......	......	......	......	......	....	5.80	+0.59	1.89	0	11	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21	......	......	......	......	......	......	....	6.02	+1.55	2.15	0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	32	69.4	−0.9	92	23	41	4	35	4.92	−0.46	1.78	0	13	7	13	11	se.	U. S. Weather Bureau
Fairmont	Marion	883	27	^{a}75.4	+1.4	100^{a}	21†	47	3	38^{b}	3.56	−0.89	1.28	0	9	15	8	8	w.	J. C. Robinson
Glenville	Gilmer	738	39	76.7	+1.5	102	23	50	4	36	5.40	+0.17	2.76	0	10	20	6	5	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	73.6	+1.1	98	23	46	4	38	5.22	+0.51	2.12	0	8	17	4	10	......	W. E. Clayton
Horner	Lewis	1,044	10	......	......	......	......	......	......	....	5.69	......	1.50	0	9	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	8	......	......	......	......	......	......	....	5.20	......	1.29	0	13	16	8	7	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	73.6	......	97	21†	46	4	39	5.96	......	2.00	0	10	15	6	10	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	72.6	+0.5	100	22†	42	4	42	3.38	−1.26	1.72	0	9	17	8	6	w.	Allen Smith
Mannington	Marion	985	30	71.1	−0.6	92	23	47	4	33	3.80	−1.04	1.30	0	10	17	9	5	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	72.4	−1.0	95	23†	48	4	37	3.74	−1.06	1.40	0	9	16	11	4	sw.	Bruce Davis
New Cumberland	Hancock	671	35	74.4	+1.6	99	23	51	6	39	3.25	−0.85	0.99	0	10	11	13	7	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	76 9	+1.8	104	23	52	4	39	3.37	−1.31	1.18	0	7	18	8	5	s.	Wm. Ankrom
Parkersburg	Wood	638	46	75.2	−0.2	98	22	54	4	32	3.51	−0.78	1.11	0	9	11	14	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	71.6	+1.0	95	23	40	4†	50	4.49	−0.58	......	0	......	15	8	8	......	J. W. Swisher
Philippi	Barbour	1,550	36	......	......	......	......	......	......	....	4 42	−0 61	1.28	0	13	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	30	68.0	−0.4	92	23	38	4	37	7.79	+1.47	1.44	0	12	16	11	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	......	......	......	......	......	......	....	6.22	......	1.94	0	10	21	4	6	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	......	......	......	......	......	......	....	3.81	−1.16	1.13	0	12	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	24	......	......	......	......	......	......	....	3.91	−0.37	1.52	0	9	......	......	......	......	Wm. Hughes
Terra Alta^{a}	Preston	2,559	32	66.8	+0.6	91	23	38	4	38	3.67	−1.62	0.69	0	11	5	21	4	w.	Okey Alkire
Thomas	Tucker	2,950	4	......	......	......	......	......	......	....	2.91	......	1.17	0	8	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	10	73.2	......	97	23	45	13	45	5.27	......	1.51	0	10	9	9	13	sw.	J. C. Campbell
Vandalia	Lewis	1,120	10	......	......	......	......	......	......	....	6.57	......	1.84	0	9	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	26	72.5	+0.5	100	23	46	6	40	5.87	+1.53	1.80	0	8	18	8	5	......	George P. Pfister
West Milford	Harrison	979	8	......	......	......	......	......	......	....	4.09	......	1.55	0	9	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	75.3	+1.1	99	23	48	4	36	4.70	−0.28	1.12	0	14	2	25	4	......	A. Henry
Wheeling	Ohio	645	46	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Miss M B. Forsyth
Woodlands	Marshall	637	6	......	......	......	......	......	......	....	5.32	......	2.75	0	7	19	11	1	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	......	......	......	......	......	......	....	7.47	......	2.70	0	18	18	7	6	w.	H. S. Sutton
Bancroft	Putnam	574	29	75.8	+1.4	99	23	50	5	35	6.69	+2.52	1.95	0	9	15	2	14	sw.	Charles N. Long
Beckley	Raleigh	2,440	30	70.0	−3.8	94	23	42	5	35	7.29	+2.88	1.49	0	16	13	14	4	......	L. A. Mauck
Bluefield^{g}	Mercer	2,558	38	71.2	−0.3	93	24	46	5	42	4.64	+0.23	0.98	0	14	5	14	5	......	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{f}75.8	−0.9	99^{f}	23	55^{f}	5	32^{l}	6.73	+2.52	1.39	0	12	14	3	14	......	D. J. M. Cook
Clay	Clay	706	17	......	......	......	......	......	......	..	5.65	+1.30	1.18	0	11	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	......	......	......	......	......	......	....	8.38	......	1.39	0	12	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	17	......	......	......	......	......	......	....	2.55	−1.57	0.88	0	13	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	17	......	......	......	......	......	......	....	4.72	+1.04	1.54	0	8	......	......	......	......	Lockmaster
Dam 25 O. R	Mason	565	6	......	......	......	......	......	......	....	4.41	......	1.62	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	17	......	......	......	......	......	......	....	4.37	+0.84	1.05	0	12	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	......	......	......	......	......	......	....	6.62	......	2.65	0	7	......	......	......	......	Mrs. D. R. Gandinees
Gary	McDowell	1,426	17	73.6	+1.0	96	24	47	5	34	7.82	+3.73	2.04	0	15	......	......	......	......	U S. Coal & Coke Co.
Hinton	Summers	1,431	36	75.5	+1.3	101	23	49	4	36	4.28	+0.33	1.43	0	13	20	3	8	......	Mrs. M. L. McClung
Huntington	Cabell	538	36	77.4	+1.0	101	23	53	4	33	8.44	+4.25	2.69	0	11	11	16	4	w.	H. N. Robinson
Kanawha Falls	Fayette	618	14	......	......	......	......	......	......	....	5.68	+0.86	1.17	0	8	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	17	......	......	......	......	......	......	....	7.31	+1.83	1.50	0	10	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	3	......	......	......	......	......	......	....	5.99	......	1.89	0	7	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	70.2	−0.7	93	24†	42	4	42	7.26	+3.39	2.89	0	8	20	4	7	......	Rose Argabrite
Logan	Logan	700	30	......	......	......	......	......	......	....	3.94	−1.20	1.35	0	8	......	......	......	......	J. R. Wampler
Madison††	Boone	675	12	75.0	+0.3	100	23	50	3	34	5.07	−0.08	1.17	0	10	19	7	5	......	W. E. Holy
Marlinton	Pocahontas	2,131	34	66.0	−1.6	88	1†	38	4	34	6.68	+1.56	2.62	0	13	6	21	4	sw.	S. L. Brown
Point Pleasant	Mason	595	40	75.8	−0.5	101	23	52	18	37	3.42	−0.65	0.94	0	8	16	10	5	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	67.5	......	92	23	39	5	43	7.54	......	2.10	0	13	18	4	9	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	75.5	+1.1	102	23	49	4	36	1.94	−2.18	0.56	0	9	8	0	23	se.	Lockmaster
Richwood	Nicholas	2,193	3	70.8	......	96	24	42	5	38	8.47	......	1.25	0	16	12	4	15	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	74.4	−0.9	101	2	49	4	38	3.69	+0.02	0.76	0	12	24	0	7	......	M. Frazier
Ryan	Roane	700	30	71.1	−1.9	99	23	43	4	38	3.93	−0.55	0.85	0	12	13	11	7	......	Wm E. Ryan
Sharples	Logan	889	13	......	......	......	......	......	......	....	5.33	+0.37	1.45	0	7	......	......	......	......	R. W. Howard
Spencer	Roane	789	29	74.2	+0.8	100	23	48	4	37	5.56	+1.42	1.37	0	11	17	9	5	......	A. M. McKown
Sutton	Braxton	850	27	74.2	−0.6	97	23†	48	4	39	6.80	+1.25	2.40	0	13	18	0	13	......	C. B. Eakle
Union^{e}	Monroe	2,250	29	70.4	−1.0	95	24	41	4	39	5.61	+1.68	1.79	0	7	13	8	5	......	W. M. H. Young
Wayne	Wayne	598	6	......	......	......	......	......	......	....	6 71	......	1.66	0	11	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	70.0	−1.4	96	2	41	4	35	5.80	+1.94	2.00	0	8	25	1	5	......	A. P. Spence
Williamson	Mingo	673	33	76 7	+0.8	100	23	51	5	38	3.89	−0.47	1.44	0	11	12	15	4	uw.	J. E. Dotson
State averages and	extremes	......	....	72.6	−0.4	104	23	36	4	50	5.21	+0.64	4.34	0	10	15	9	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac	.53	.22	1.59						.18						.40	.24	.22			.28	.03	.14			T.	.45	.50	.01		.11		4.90
Brandywine	do		.50	.95						.15	.05	T.				.15	.15				T.	.05		.25	.45	.10	.70	1.55		.25			5.30
Circleville	do	.26	.27	1.85	T.					.10	.34	.23				.12	1.44	.03			T.	.42	.06			.67	.45	1.63	.04	T.	.30		8.21
Harpers Ferry ||||	do			2.00	.09					.08		.19					.01	.10										.92					3.39
Kearneysville	do	1.13		1.49						T.		.35					.07										.27	.54					3.85
Martinsburg ||||	do			2.55						.05	.15	.10					.10	T.									.05	.75					3.75
Piedmont	do	T.	.18	1.35						.05	.04				T.	T.	.58						.06		.42		.31	.43					3.42
Romney||||	do			1.70						.07							.92									.68	.32	.72					4.41
Stony River Dam	do	.10	.20	1.35	.12							.24				.08	.55	.08				.10				1.30	1.20	1.25					6.57
Upper Tract	do	.10	.40	.50												.50	T.	T.		T.				.30	.40	.10	2.10	T.	.10				4.50
Wardensville||||	do			4.34	.02					.10		.18											T.			T.	1.12	1.01					6.77
Northern Division																																	
Aberdeen	Monongahela	.09	.15	.80						.31	.38					.68	1.95				.11				.39	T.	.14	.42		.10			5.52
Alma (near)	Ohio	.17	1.13	.93						.03	1.02						1.50								.24	.17	.15	.06			.05		5.45
Alpena	Monongahela		.17	.67						.37	.14					.35	.86	.02			.24			.24	.06		1.35	1.39		.31	T.		6.17
Benson	do	.80	.78	.45						.14	.55					1.03	1.02										.10	.10	.10	.08			5.15
Bens Run	do	1.01	.47	.64						T.	.46						1.11								20	.10				.37			4.36
Brownsville	do	.04	1.10	.95						.48						.40	1.52				.07				.78		.27		.58		.07		6.26
Bruceton Mills	do	.44		1.60						.50						.41	.24								.62	T.	.32				T.		4.13
Buckhannon	do	.36	.37	.50						.32	T.					2.10	.90				T.			T.	T.		.38	.05	.06	T.			5.04
Cairo	Little Kanawha		.55	.40						.47	.20						1.15								.50	.30	.10	.10		.06	.80		4.63
Clarksburg||||	do			1.28						.04	.04	.69				.34	.63	1.10								.13	.05	.16					4.46
Crawford||||	do	.39	1.22	.23						.61						2.07	1.49								.77		.59	.62	.48	.05			8.52
Creston||||	Monongahela	.12	1.20	.94						.34	.29	.06					2.56									.36	.05	.34					6.26
Dam 10, Mon. R.||||	Ohio		.86	1.39							.31					.22	.16	.41								.32	.08	.19					3.94
Dam 12, O. R.||||	do		.32	1.05													1.44	.02								1.45	.02	.27					4.57
Dam 13, O. R.||||	Monongahela		.02	1.33						.03	.12							.05						.48		.95	.10	.13					3.21
Dam 15, Mon. R.||||	do	.08	.01	1.24						.06	.07	.34				.02	.32	.58									.12	.13					2.97
Davis ||||	do	.65	.50	.90						.15						.26	.65	.15				.36			T.		.59	1.30			.29		5.80
Elizabeth(D'm 3 LK)	Little Kanawha		2.15	.90						.51	.25						1.05	.16								.45	.02	.26			.27		6.02
Elkins***	Monongahela	.01	.38	.15						.34	.33				.15	.86	.57				.08			T.			1.35	.43	.25	.02			4.92
Fairmont||||	do	.03	1.28						.13	.04	.22					.95	59								T.	.13	.19						3.56
Glenville ||||	Little Kanawha	.02	.93	1.83						.52	.23					.04	.83									.37	.11	.52		T.			5 40
Grafton ||||	Monongahela	.13	2.12							.12	.42					1.30	.95										.05				.13		5.22
Horner	do	1.12	1.00							.45						.27	1.50	.28									.42	.50			.15		5.69
Horton	do	.03		.59						.40	.04					T.	.37	.25			.12				.53	.37	1.29	.86	.12	.23	T.		5.20
Janelew (near)	do	.20	.28	.55						.35	.65						2.00	.55							.87		.16	.35					5.96
Lost Creek	do	.11	.50	.38						.08	.22					.06	1.72								T.		.20	T.		.11	T.		3.38
Mannington	do		.29	1.01						.18	.52					.02	1.18								.25	.16	.15	.04					3.80
Morgantown	do	.75	1.40						T.	.49						.18	.55								.10	.09	.17	.01					3.74
New Cumberland||||	Ohio		.71	.74						.05							.99	.40		.07				.02		.18		.02			T.	.07	3.25
New Martinsville	do		.80	.40						.22						.35	1.18									.22	.20						3.37
Parkersburg***	do	.99	.66						T.	.55	.13					.74	.04				T				.12	T.	.19			.09	T.		3.51
Parsons	Monongahela		*	1.31						*	2.00					.40											.78						4.49
Philippi	do	.56	.03	1.28						.19		.38				.11	.84	.40									.07	.39		.04	.09	.04	4.42
Pickens	do		.29	.87						1.15		.75				.11	.97									.10	1.00	1.44	.12	.84	.15		7.79
Roanoke	do		1.94	.31						.46						.83	1.05	02							.71		.45	.43		.02			6.22
Rowlesburg||||	do	.02	.23	1.02						.36	.08					.13	.35	.13				.02				1.13	.02	.32					3.81
Saint Marys||||	Ohio	T.	.45	1.02						.03	T.						1.52	.26								.38	.03	.12		.10			3.91
Terra Alta	Monongahela	.68	.46	.69						.17						.35	.47	.02			.21				.32		.15	.15					3.67
Thomas ||||	do	.22		1.17							.05							.16				.61				.09	.55				.06		2.91
Valley Chapel	do	1.30	.45	.69						.25	.15						1.51	.35			T.					.12	.30	.15					5.27
Vandalia	do	.35	1.16	.66						.44						1.84	1.02								.12		.53		.45				6.57
Wellsburg	Ohio	.53	.85	.48						T.						1.80	.36						.29		1.06	T.	.50	T.			T.		5.87
West Milford	Monongahela		.58	.30					.06		.38					.80	1.55									.15	.15	.12					4.09
Weston	do		.72	.85						.18	.22						1.12	.84			.10	.02				.21	.08	.26		.02	.06	.02	4.70
Wheeling||||	Ohio																																
Woodlands||||	do	.11		2.75													.30	1.46								.46	.02	.22					5.32
Southern Division																																	
Arbovale	Great Kanawha		.02	.42	.33				T.	.20	.07	1.46				.21					.22	.52		.04	.54	.21	2.70	.03	.32	.06	.10	.02	7.47
Bancroft ||||	do			1.40						.11		.60					.78									.73	1.95		.35	.35		.42	6.69
Beckley	do		.66	.74						.08	.29	.30	.47			.10	.75	.07			T					1.49	.75	.70	.80	.04	.03	.02	7.29
Bluefield	do					.97					.11	.25	.22		.03	.05		.33		.01		.04				.53	.12	.98	.98			.02	4.64
Charleston ||||	do	.05	1.39	1.05							.06	.69						.13								.90	.25	1 32	.16	.55	.18		6.73
Clay||||	do		1.18	.64							.33	.52					.78	.12									.10	.95	.08	.93	.02		5.65
Dam 6 G. K ||||	do		1.39	.99				.69					1.35					.20					.06			1.18	.22	1.35	.21	.56	.18		8.38
Dam 19 O. R. ||||	Ohio	.04	.15	.88						.34	.30	T					.01	.10				.01				.13	T.	.44		.11	.03	.01	2.55
Dam 20 O. R. ||||	do	.30		1.54						.20	.64						.02	.30								.36	T.	1.36			T.		4.72
Dam 25 O. R. ||||	do	.79	.90	1.62						.03	.41															.02	.03	.48		.13			4.41
Dam 26 O. R. ||||	do	.02	1.05	.60							.40	.34						.11				.15				.02	.05	.63	.20	.80			4.37
Durbin	Great Kanawha																									1.56	.48	2.65	.82	.45	.30	.36	6.62
Gary ||||	Big Sandy		.11	1.11	.01						.05	2.04				.55	.03	.65				.87	.01				.16	.62	.80	.51	.30		7.82
Hinton||||	do		.13	.44							.02	T.	.73			.03		.13				.14					.18	1.43	.69	.19	.12	.05	4.28
Huntington	Ohio	.14	.71	1.14						.13		1.06				T.									1.04	.16	2.69		1.31	.03	.03		8.44
Kanawha Falls||||	Great Kanawha		.85	1.12							.08	1.05																.84	.52	1.17	.05		5.68
Kayford||||	do		1.50	1.50							.04	.93															.90	.83	.44	.43	.42	.32	7.31
Kermit||||	Big Sandy																																
Kingston	Great Kanawha		1.40	.45								.95															1.89		.40	.60		.30	5.99
Lewisburg	do		.05	.85													.76	.09			T.						1.43	2.89	.90	T.	.29		7.26
Logan||||	Guyandotte		.70	1.33	.02							.40					T.										.25	.47	.47		.30		3.94
Madison	Great Kanawha	1.17	1.17	T.						.16	.17													T.	T.	1.00	.50	.45	.05	.38	.02		5.07
Marlinton	do		.52	.38						.06	.12	.40				.50	.18				.06					.32	1.52	1.10	1.38	.14	T.	T.	6.68
Point Pleasant||||	Ohio	.24	.58	.94						T.	.74	T.						.10									.06	.46	T.	.30			3.42
Rainelle	Meadow Creek		.08	2.10						.13		.49					.26				T.	.12			.24	.50	1.04	1.21	1.03	.21		.13	7.54
Ravenswood(Dam 22	Ohio||||			.56						.15	.31							.26							.26	.02	.02	.33			.03		1.94
Richwood	Great Kanawha		.77	.60						.27	.04	1.18				.75	.60				.52	.25			.35	.03	1.25	.51	.91	.38	.06		8.47
Robertsburg||||	do	.02	.17	.53							.21	.60					.15	.15								.07	.24	.76	.25	.54			3.69
Ryan	do		.22	.80						.62		.41					.15				.07					.29	.85	.02	.35	.11	.04		3.93
Sharples||||	Coal River		1.45	1.43							.10	.88					.32											.60	.55			T.	5.33
Spencer ||||	Great Kanawha		.54	.56						.07	.28						1.37	.06								1.20	.05	.90	T.	.21		.32	5.56
Sutton	Gauley		2.40	.35						.45		.35				.30	.60	.10			.35					.10	.65	.70	.20	.25			6.80
Union	do			1.17							T.	.32	T.			.20		.43				T.					.21	1.79	1.49	T.			5.61
Wayne||||	Big Sandy		.73	1.66	.10						.38	.07						.12								.54	.58	.95	1.46	.12			6.71
White Sulpr. Spgs.||||	Great Kanawha		.75								.10	.50				.70										.50	2.00	.60	.65				5.80
Williamson||||	Big Sandy		.51	.16	T.						.03	.35					.05	.04			.35	T				.37	.21	1.44	.38			T.	3.89

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.278	.233	.244	.168	.255	.224	.243	.266	.206	.122	.155	.257	.256	.140	.222	.164	.214	.222	.065	.235	.221	.212	.258	.276	.319	.079	.006	.133	.162	.172	.243	6.250
	Wind movement	43	34	48	73	42	24	20	18	28	13	19	71	33	24	13	28	21	23	11	6	14	10	11	14	32	27	10	8	14	30	42	804

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for July, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	85	82	78	72	76	79	84	84	80	79	81	77	77	76	81	80	77	80	84	85	87	89	92	89	83	77	75	83	79	82	86	81.3
	Minimum	65	62	50	36	42	40	42	47	62	60	54	52	44	41	50	55	48	40	43	54	52	53	53	56	56	60	58	51	52	55	68	51.6
Brandywine	Maximum	96	91	72	75	82	85	90	91	85	87	85	82	80	82	84	89	84	85	89	90	90	94	95	96	90	72	76	80	89	93	95	86.3
	Minimum	66	62	54	42	46	48	47	53	60	61	60	46	52	46	60	62	58	48	50	55	56	55	60	59	64	64	60	62	61	61	62	56.1
Kearneysville	Maximum	99	92	74	78	82	86	90	91	88	83	81	79	78	74	80	88	85	86	89	89	91	92	95	91	88	82	78	81	92	94	96	86.2
	Minimum	73	69	56	46	55	55	57	62	70	62	66	61	59	52	54	66	64	54	55	64	63	65	64	68	67	66	62	60	61	70	70	61.8
Martinsburg*	Maximum	102	91	90	96	87	92	95	96	92	85	85	82	82	77	83	90	89	90	94	93	95	95	100	101	90	75	81	85	98	100	..	90.4
	Minimum	74	75	62	58	57	56	59	64	72	62	65	62	62	54	55	57	65	56	58	64	64	67	66	67	69	67	63	61	63	65	74	63.3
Moorfield (near)	Maximum	..	..	..	80	84	85	94	92	82	84	82	82	82	80	90	91	87	87	93	94	93	98	100	99	90	73	82	88	92	94	99	88.5
	Minimum	..	..	..	45	45	46	49	54	60	62	65	65	48	45	55	64	57	47	50	65	57	60	60	60	60	62	67	63	58	60	65	56.9
Piedmont	Maximum	93	88	78	77	82	84	88	89	84	85	82	79	77	77	83	86	81	83	88	90	90	93	96	94	85	76	79	84	89	91	93	85.3
	Minimum	66	70	56	48	52	55	62	56	66	66	57	61	62	49	57	62	57	49	54	58	60	63	63	64	65	65	62	61	62	70	71	60.4
Romney*	Maximum	99	93	82	80	86	89	92	93	87	87	85	84	82	83	89	88	85	97	92	93	96	98	100	99	89	71	79	86	92	94	..	89.0
	Minimum	74	71	56	44	50	51	53	57	66	66	64	58	52	48	55	61	59	51	52	61	60	63	63	64	65	66	62	59	62	69	70	59.7
Upper Tract	Maximum	82	81	75	82	80	88	82	82	80	77	78	..	72	70	70	80	78	76	78	88	88	87	88	85	73	70	70	77	88	89	90	80.1
	Minimum	65	65	52	43	44	47	48	50	61	60	61	..	50	49	45	59	58	50	51	60	52	58	57	62	62	62	60	60	61	61	65	55.9
Wardensville	Maximum	98	92	86	80	78	79	82	86	87	79	78	76	74	71	76	79	81	79	82	92	85	87	89	91	91	84	66	74	80	86	88	82.5
	Minimum	69	71	55	43	48	50	50	56	65	65	63	59	50	46	53	64	61	50	52	60	56	59	62	60	63	65	61	57	60	65	66	58.2
Northern Division																																	
Alpena	Maximum	85	80	73	69	74	78	82	80	79	79	74	75	74	80	76	78	72	75	79	80	83	88	88	83	81	72	73	76	79	81	83	78.4
	Minimum	63	59	48	36	40	40	43	48	60	59	57	50	41	41	56	55	51	42	49	55	57	52	55	55	53	60	56	51	52	66	63	52.0
Bens Run	Maximum	95	80	77	82	87	90	91	91	80	82	86	90	89	88	89	87	84	86	88	95	98	100	102	96	78	79	84	85	91	96	96	88.5
	Minimum	70	69	61	55	58	60	60	63	72	71	61	64	62	62	64	63	62	58	62	65	69	70	71	70	70	70	72	72	65	70	69	65.5
Buckhannon	Maximum	87	66	77	75	76	79	83	85	78	82	80	80	80	81	80	80	75	78	80	84	86	88	90	87	80	71	75	77	83	82	85	81.0
	Minimum	67	67	60	44	61	59	55	59	67	67	67	58	54	47	65	52	58	54	55	65	62	63	66	67	65	65	62	64	64	69	69	61.2
Cairo	Maximum	91	82	82	80	81	86	88	90	81	82	86	87	85	85	85	85	82	82	84	92	94	97	98	92	77	76	80	84	87	90	93	85.9
	Minimum	65	66	62	48	48	49	52	55	68	68	58	57	58	55	62	63	60	51	52	54	62	62	64	66	67	69	63	62	66	66	68	60.2
Clarksburg*	Maximum	94	87	73	80	82	85	89	90	79	83	83	85	87	89	85	84	79	84	88	93	95	98	99	95	79	75	83	85	89	91	93	86.5
	Minimum	65	66	62	45	50	50	51	56	67	69	60	59	53	54	63	61	59	51	55	61	60	61	64	61	66	69	60	63	66	69	68	60.1
Creston	Maximum	94	84	82	82	84	88	90	91	78	86	85	87	85	84	86	82	84	85	87	91	95	97	98	94	79	75	79	84	90	90	91	86.7
	Minimum	63	64	62	48	50	52	57	55	67	67	61	68	59	56	61	63	58	56	54	62	62	61	63	66	65	67	62	61	65	66	65	60.8
Elkins	Maximum	89	84	65	74	76	80	84	85	73	79	80	77	77	82	81	82	76	78	83	86	88	90	92	86	83	69	75	77	83	85	86	80.8
	Minimum	66	64	48	41	47	48	49	54	64	65	61	55	59	51	61	60	56	49	52	60	58	58	62	61	62	61	60	62	64	72	70	58.1
Fairmont*	Maximum	85	82	85	85	90	93	90	79	83	86	86	87	91	91	84	83	82	87	89	97	100	100	99	83	75	81	91	93	97	99	..	88.4
	Minimum	68	62	47	52	53	55	59	68	70	60	59	55	56	64	61	59	53	57	62	64	70	66	69	69	69	62	62	67	71	71	71	62.3
Glenville	Maximum	95	87	83	83	86	88	91	92	85	87	88	90	88	89	91	88	88	87	89	94	98	100	102	101	88	92	81	85	91	92	95	90.1
	Minimum	66	67	64	50	54	55	59	57	69	68	66	61	58	57	67	63	62	55	58	66	65	64	66	68	68	69	67	65	69	70	69	63.3
Grafton	Maximum	95	86	74	83	84	81	91	90	80	81	87	86	88	88	84	83	82	82	87	90	94	97	98	95	82	75	83	85	90	92	94	86.7
	Minimum	72	66	62	46	50	50	53	57	65	68	60	58	53	55	63	60	57	51	55	61	61	64	65	66	65	68	61	63	65	67	68	60.5
Lost Creek	Maximum	93	84	78	83	84	89	90	91	79	84	84	87	87	90	87	85	83	84	86	93	96	100	100	98	82	76	84	87	90	91	97	87.8
	Minimum	64	61	60	42	49	48	49	53	66	65	57	54	50	[illegible]	54	55	56	48	50	51	59	59	62	65	65	66	59	60	64	70	66	57.4
Mannington	Maximum	89	80	77	76	79	80	84	85	77	79	82	82	81	81	83	81	77	80	82	87	88	91	92	89	76	75	78	83	86	87	89	82.5
	Minimum	65	66	60	47	49	49	51	57	67	69	57	56	52	54	59	60	58	50	54	58	61	62	63	66	67	69	62	63	64	68	67	59.7
Morgantown	Maximum	90	81	75	77	84	85	84	86	84	84	81	82	82	83	85	82	79	86	85	90	82	93	95	95	86	78	82	86	91	90	92	85.0
	Minimum	66	66	59	48	59	60	52	53	52	68	57	52	62	57	62	59	53	52	52	53	63	64	66	67	66	65	62	59	62	60	75	59.7
New Cumberland*	Maximum	92	80	77	83	84	90	92	88	86	87	87	86	85	86	88	82	83	88	91	94	97	98	99	91	79	75	84	90	92	92	96	87.8
	Minimum	68	69	60	53	53	51	55	62	65	55	57	57	54	54	59	63	56	53	58	58	63	67	66	70	67	65	62	60	63	72	74	60.9
New Martinsville	Maximum	97	89	87	89	90	91	94	92	90	88	86	87	90	92	89	86	85	88	89	95	100	102	104	96	83	76	87	92	92	100	100	91.2
	Minimum	67	68	61	52	54	55	55	58	68	70	60	61	57	58	62	62	61	53	59	62	65	65	66	69	69	68	64	64	67	70	70	62.6
Parkersburg	Maximum	93	81	70	79	83	87	90	91	77	82	84	83	82	83	85	85	83	84	85	89	94	98	96	91	75	72	82	86	89	93	92	85.3
	Minimum	68	68	61	54	54	56	58	62	71	71	63	65	68	63	66	65	62	57	60	65	68	69	71	70	69	68	65	65	72	74	73	65.2
Parsons	Maximum	92	88	78	80	81	91	90	87	75	81	83	81	84	82	87	85	80	82	87	88	92	94	95	91	86	76	81	85	86	89	93	85.5
	Minimum	65	65	50	40	45	42	40	55	65	65	61	57	60	58	50	60	60	50	53	60	59	60	62	61	62	63	60	60	63	68	68	57.6
Pickens	Maximum	88	88	75	74	77	80	86	85	70	85	80	82	81	83	80	81	74	78	84	84	86	89	92	89	84	72	70	73	80	83	84	81.2
	Minimum	61	60	50	38	44	46	50	52	60	61	57	46	55	49	58	56	53	45	50	53	56	58	60	52	58	60	57	59	59	63	68	54.8
Terra Alta	Maximum	85	79	76	72	74	78	83	84	75	79	76	..	72	74	79	78	73	75	82	81	86	89	91	86	78	73	73	80	82	83	86	79.4
	Minimum	65	63	50	38	45	43	46	50	62	62	53	..	48	48	55	56	53	43	44	53	57	56	56	59	59	61	58	51	60	60	69	54.1
Wellsburg	Maximum	93	79	74	82	84	86	90	87	85	87	86	86	85	84	81	79	82	85	90	93	97	98	100	94	80	75	84	95	92	93	94	87.1
	Minimum	65	66	58	47	48	46	50	56	63	52	49	57	51	52	58	61	57	49	54	54	59	62	64	67	65	64	65	56	62	68	69	57.9
Weston	Maximum	96	90	89	67	80	88	89	91	90	88	86	88	86	88	87	85	86	85	84	90	95	98	99	98	87	86	78	79	88	90	94	87.9
	Minimum	69	65	61	48	52	55	56	66	68	64	64	59	56	54	68	67	60	54	58	54	63	65	69	70	69	69	65	64	69	72	70	62.7
Wheeling*	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	....
Southern Division																																	
Beckley	Maximum	91	87	79	77	77	81	84	84	81	83	82	80	79	76	78	82	79	80	84	84	90	92	94	90	87	77	75	81	82	85	86	82.8
	Minimum	64	62	59	43	42	46	50	51	57	59	63	59	54	55	58	60	56	48	55	62	56	58	63	62	60	61	62	63	61	64	62	57.2
Bluefield	Maximum	88	..	..	..	88	80	85	85	..	85	83	78	78	77	79	..	81	82	82	78	87	92	..	93	88	78	73	79	82	..	86	82.8
	Minimum	66	..	..	..	46	51	52	55	..	60	64	62	58	57	60	..	60	53	56	64	58	62	..	64	60	64	64	64	63	..	64	59.5
Charleston*	Maximum	..	94	..	79	84	86	91	..	92	87	86	86	85	84	..	91	85	87	86	92	93	..	99	97	81	73	75	80	..	91	98	87.3
	Minimum	68	..	67	..	55	58	59	60	..	64	68	70	63	65	67	..	63	57	60	64	62	62	..	70	63	69	66	68	69	..	69	64.2
Gary*	Maximum	91	91	77	78	81	83	88	89	84	89	84	83	83	81	81	84	81	84	84	85	89	94	95	96	90	80	76	82	86	87	90	85.4
	Minimum	67	67	69	49	47	53	54	56	60	65	66	62	56	58	63	63	63	57	59	65	62	64	65	62	64	67	68	68	65	65	68	61.8
Hinton*	Maximum	96	95	79	83	85	89	93	92	86	85	85	87	83	86	85	90	84	87	90	90	95	97	101	98	92	80	78	85	86	91	91	88.5
	Minimum	69	68	70	49	50	53	57	58	60	64	67	64	60	57	62	66	64	58	57	60	65	65	65	63	65	67	67	67	66	66	68	62.5
Huntington	Maximum	95	94	90	80	85	88	92	92	87	89	87	88	88	86	83	89	86	86	87	96	97	99	101	98	84	77	81	88	90	93	94	89.4
	Minimum	70	69	65	53	55	59	59	63	72	68	67	65	62	63	67	67	59	56	59	66	68	68	70	70	68	70	67	69	69	70	73	65.4
Lewisburg	Maximum	88	89	85	73	85	86	84	82	83	80	82	86	77	81	80	84	78	82	83	83	87	90	92	93	93	76	76	77	83	85	86	83.5
	Minimum	68	63	59	42	44	44	54	51	54	52	51	60	53	51	57	58	60	52	55	56	60	60	62	59	60	65	62	64	64	63	65	57.0
Madison	Maximum	95	93	71	81	84	87	90	91	83	89	85	89	88	84	81	90	84	87	91	91	96	98	100	97	88	75	78	88	86	90	92	87.8
	Minimum	65	64	50	51	55	57	56	63	65	67	64	57	61	64	65	62	52	56	62	62	63	65	66	65	66	64	66	68	67	69	71	62.2
Marlinton	Maximum	88	84	70	70	76	78	82	82	72	78	74	74	72	76	76	78	74	76	80	78	84	86	88	84	86	68	68	72	80	82	84	78.1
	Minimum	64	60	46	38	42	44	48	50	56	56	56	54	56	46	44	56	58	54	48	56	56	54	56	56	58	60	58	58	60	64	62	54.0
Point Pleasant	Maximum	98	95	84	82	86	88	92	90	88	88	87	89	89	86	84	86	86	86	87	96	99	100	101	99	83	76	82	86	92	92	95	89.4
	Minimum	65	65	61	58	53	56	55	60	68	67	60	61	60	59	63	59	57	52	56	63	64	65	65	79	66	67	62	63	65	66	67	62.2
Rainelle	Maximum	90	88	84	74	78	77	84	73	74	81	77	77	75	86	75	83	76	82	82	81	81	86	92	88	85	73	68	78	81	85	86	80.6
	Minimum	61	60	54	40	39	43	41	46	57	57	56	56	51	52	57	57	55	46	47	60	57	55	56	55	60	61	62	63	62	59	60	54.4
Ravenswood	Maximum	94	92	84	80	84	86	88	93	90	88	85	86	86	84	84	87	86	86	87	94	97	101	102	99	80	78	82	83	91	91	90	88.3
	Minimum	67	67	63	49	52	54	55	59	70	69	63	62	67	62	64	65	57	53	54	62	64	65	66	70	67	69	65	64	64	68	69	62.7
Richwood	Maximum	90	88	84	85	78	81	86	88	80	82	86	78	80	81	82	82	79	80	85	86	87	89	92	96	89	84	70	73	85	84	88	83.8
	Minimum	63	63	62	58	42	46	49	50	53	62	60	56	54	52	63	60	57	48	53	62	66	57	60	59	59	65	63	62	63	63	65	57.9
Robertsburg*	Maximum	100	101	80	72	78	76	80	94	82	90	84	94	88	84	84	84	86	82	93	92	90	92	99	97	81	80	82	89	84	85	94	87.0
	Minimum	67	65	62	49	52	54	54	57	69	65	61	63	60	58	62	65	57	52	55	63	63	64	67	70	67	68	60	63	65	67	69	61.7
Ryan	Maximum	95	85	75	78	80	85	85	85	78	85	80	85	85	85	83	80	80	85	80	92	95	98	99	98	85	75	75	80	85	90	90	85.0
	Minimum	61	63	60	43	46	48	48	52	53	62	60	57	58	54	60	60	52	48	50	60	61	60	62	62	62	62	60	59	62	64	65	57.2
Spencer*	Maximum	94	85	72	79	82	84	89	91	79	86	85	86	86	86	85	87	86	85	86	91	95	96	100	90	79	73	77	80	80	89	91	85.6
	Minimum	66	66	64	48	52	58	58	54	67	67	68	62	59	59	67	64	59	53	60	64	64	64	67	71	67	69	65	69	61	62	70	62.7
Sutton	Maximum	96	96	90	80	82	85	91	91	90	84	85	85	85	85	84	88	88	83	86	86	93	94	97	97	93	84	76	78	83	90	91	87.6
	Minimum	66	67	64	48	49	51	52	56	60	67	64	61	55	54	65	60	59	53	56	66	62	61	64	65	64	67	63	64	66	67	67	60.7
Union	Maximum	90	..	89	79	80	84	88	88	..	87	82	81	78	80	80	.	83	84	86	84	87	92	..	95	94	92	75	74	85	..	86	84.7
	Minimum	67	..	59	41	42	47	49	51	.	57	60	60	54	51	56	..	59	50	56	62	60	59	..	57	57	63	61	62	62	..	60	56.2
White Sulphur Spgs.	Maximum	92	96	72	71	79	83	86	86	84	84	81	78	79	78	82	82	80	83	80	82	86	90	94	93	90	75	75	75	74	87	88	82.7
	Minimum	63	66	42	41	46	49	51	59	60	62	58	55	50	52	60	60	51	53	60	61	60	59	61	58	63	61	62	63	62	63	64	57.3
Williamson*	Maximum	99	96	74	84	88	91	95	91	81	91	87	90	87	84	81	91	88	88	90	90	93	99	100	97	88	78	81	89	92	88	95	89.2
	Minimum	69	67	69	53	51	55	57	57	63	68	70	65	60	65	67	67	65	54	58	63	65	67	67	67	68	68	66	67	69	70	72	64.2

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO. Cleveland, 8-22-33—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLI   Parkersburg, W. Va., August, 1933   No. 8

GENERAL SUMMARY

August averaged practically normal in temperature, the month being divided into short periods of moderately warm and moderately cool weather. The warmest weather over most of the State occurred on the 1st and 26th, while the coolest periods were on the 6th and 30th. Showers occurred frequently and were well distributed throughout the State. Only a few stations reported amounts for the month less than the normal. This was the sixth wettest August of State record. Heavy to excessive showers occurred in scattered localities on the 2d, 4th, 11th, 23d, and 24th. Heavy rains in sections of Jackson, Roane, and Wood counties on the 2d, caused serious floods in the smaller streams, resulting in considerable damage to highways and crops. The high winds and heavy rains attending the Atlantic coast storm of the 23d, caused much damage to crops in the northeastern sections. The month was favorable for crop growth and farm work. Threshing of wheat and oats progressed rapidly, with fair to poor yields. Early planted corn was in good condition and ripening rapidly, and at the close of the month cutting was in progress. Early planted potatoes were being dug with poor yields, many fields were a complete failure. Pastures and meadows were in excellent condition.

TEMPERATURE

The monthly mean for the State, determined from 56 stations, was 71.5° or 0.1° below the normal. The temperature was below the normal from the 4th to the 8th, 15th to the 20th, 22d and 23d, and from the 28th to the 31st, with the lowest readings generally on the 30th. Warm weather prevailed from the 1st to the 3d, 11th to the 13th, and from the 24th to the 27th, with the highest temperatures on the 1st. The highest monthly mean was 75.8° at Huntington, and the lowest, 64.3° at Alpena. The highest temperature was 102° at Martinsburg on the 1st, and the lowest, 38° at Bayard on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 91 stations, was 5.38 inches, which was 1.39 inch more than the normal The greatest monthly precipitation was 9.84 inches at Dam No. 19, Ohio River, and the least was 1.28 inches at Sharples. The greatest amount in any 24 consecutive hours was 4.05 inches at McNeill on the 23d. The average number of days with .01 inch or more of precipitation was 11.

LIGHT HAIL

Light hail fell in sections of Raleigh County, near Beckley, on the 2d, doing practically no damage.

HEAVY HAIL

Heavy hail fell over the southern sections of Berkeley County on the 28th. No other details were obtainable.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 13th, 17th, 25th, and 28th; Bens Run, 15th, 25th, 26th, 27th, and 30th; Brandywine, 5th and 30th; Elkins, 1st, 4th, 6th, 7th, 13th, 14th, 19th, 20th, 25th, 26th, 28th, and 30th; Fairmont, 4th and 5th; Hinton, 1st, 12th, 15th, 17th, 19th, 25th, 26th, and 28th; Huntington, 9th; Mannington, 5th, 6th, 15th, 17th, and 26th to the 30th; Marlinton, 1st, 3d to the 7th, 12th, 13th, 15th, 17th, 21st, 26th, 27th, and 30th; Parkersburg, 15th and 19th; Pickens, 4th, 23d, and 24th; Wellsburg, 29th and 30th.

Aurora: Elkins, 1st.

Thunderstorms (dates and number of stations reporting): 1st, 5; 2d, 10; 3d, 5; 4th, 5; 9th, 1; 10th, 5; 11th, 3; 13th, 4; 14th, 3; 16th, 2; 17th, 1; 18th, 2; 19th, 2; 22d, 1; 23d, 1; 24th, 1; 27th, 1; 28th, 2.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio .	30.00	30.25	4	29.77	11	6.4	21	w.	2	79	50	60	77
Columbus, Ohio..	30.00	30.27	6	29.74	24	9.4	32	se.	31	75	52	60	61
Elkins...........	30.03	30.36	7	29.54	23	4.8	25	nw.	3	92	61	82	49
Parkersburg ...	30.04	30.33	6	29.69	24	5.4	29	nw.	1	83	57	72	61
Pittsburgh, Pa ...	30.02	30.31	6	29.53	24	9.1	42	nw.	3	79	56	60	62
Wytheville, Va...	29.98	30.29	7	29.61	23	5.5	21	w.	2	86	60	75	50

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891........	69.8	−1.8	.....	.....	5.48	+1.49	.....	.....	.....	....	....	....	....
1892........	72.1	+0.5	96	41	2.55	−1.44	.....	.....	.....	7	...	....	....
1893........	70.8	−0.8	98	41	3.38	−0.61	.....	.....	.....	....	....	....	....
1894........	71.5	−0.1	103	38	2.07	−1.92	5.15	0.27	.....	6	14	12	5
1895........	73 3	+1.7	104	40	3.01	−0.98	7.69	1.15	.....	8	15	11	5
1896........	72.6	+1.0	97	40	2.82	−1.17	5.69	0.88	.....	7	15	12	4
1897........	70.9	−0.7	100	42	2.91	−1.08	5.93	0.77	.....	9	13	14	4
1898........	73.7	+2.1	96	44	7.51	+3.52	11.57	4.40	.....	12	12	12	7
1899........	73.5	+1.9	100	34	2.64	−1.35	6.37	0.34	.....	6	15	11	5
1900........	76.0	+4.4	100	45	3.15	−0.84	7.20	1.03	.....	8	17	10	4
1901........	73.6	+2.0	98	43	5.14	+1.15	13.70	1.64	.....	12	10	13	8
1902..	70.4	−1.2	98	35	2.40	−1.59	6.05	0.97	.....	7	15	13	3
1903........	71.4	−0.2	105	38	2.64	−1.35	5.85	0.99	.....	8	12	13	6
1904........	70.7	−0.9	95	32	2.88	−1.11	6.71	0.67	.....	9	15	10	6
1905..	71.3	−0.3	96	40	4.25	+0.26	8.32	1.32	.....	9	14	11	6
1906.	75.4	+3.8	98	47	5.15	+1.16	10.72	2.18	.....	13	10	13	8
1907........	69.4	−2.2	93	41	4.64	+0.65	10 12	1.55	.....	11	13	10	8
1908........	70.9	−0.7	101	37	2.82	−1.17	5.63	0.84	.....	7	15	10	6
1909........	70.8	−0.8	99	37	3.03	−0.96	5.79	0.81	....	6	16	10	5
1910...... .	70.8	−0.8	98	39	2.03	−1.96	5.58	0.70	.....	5	17	10	4
1911........	73.5	+1.9	105	40	6.71	+2.72	12.14	2.38	.....	12	13	10	8
1912........	69.3	−2.3	95	35	3.64	−0.35	11.70	0.25	.....	11	10	13	8
1913........	72.7	+1.1	102	37	3.18	−0.81	8.20	0.79	.....	6	19	7	5
1914........	71.8	+0.2	100	40	4.86	+0.87	9.29	1.38	.....	10	15	9	7
1915........	69.4	−2.2	99	36	4.84	+0.85	8.36	2.46	.....	14	10	11	10
1916........	72.9	+1.3	104	40	4.76	+0.77	15.35	1.46	.....	10	14	9	8
1917........	71.6	0.0	102	39	3.53	−0.46	8.80	0.94	...	8	17	8	6
1918........	76.0	+4.4	110	43	3.96	−0.03	9.15	0.63	.....	9	17	8	6
1919........	70.2	−1.4	100	40	4.54	+0.55	8.67	0.95	.....	11	16	9	6
1920........	71.1	−0.5	95	42	4.27	+0.28	9.28	1.69	.....	14	9	10	12
1921........	69.7	−1.9	98	37	5.20	+1.21	9.46	2.13	.....	9	16	8	7
1922........	68.9	−2.7	98	31	3.87	−0.12	7.51	1.20	.....	10	14	9	8
1923........	71.0	−0.6	99	33	4.39	+0.40	12.42	1.60	.....	10	15	8	8
1924...	71.7	+0.1	104	34	4.63	+0.64	9.34	0.69	.....	9	18	8	5
1925........	70.7	−0.9	100	33	1.86	−2.13	4.92	0.20	.....	7	18	8	5
1926..... ..	74.0	+2.4	105	38	6.94	+2.95	15.36	2.95	.....	13	13	7	11
1927........	67.1	−4.5	94	34	4.33	+0.34	8.03	1.34	.....	11	12	9	10
1928........	74.0	+2.4	103	39	5.36	+1.37	8.43	1.85	.....	14	11	8	12
1929........	69.1	−2.5	101	33	3.31	−0.68	5.75	0.14	.....	7	16	8	7
1930........	70.7	−0.9	112	30	2.20	−1.79	5.07	0.70	.....	8	15	8	8
1931........	71.6	0.0	102	39	6.38	+2.39	10.63	1.62	.....	14	11	9	11
1932...... .	72.1	+0.5	104	38	3.04	−0.96	6.57	0.35	.....	6	20	7	4
1933........	71.5	−0.1	102	38	5.38	+1.39	9.84	1.28	.....	11	13	10	8
Period.....	71.6	......	112	30	3.99	....	15.36	0.14	......	10	14	10	7

Climatological Data for August, 1933

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	65.7	−0.1	87	1	38	30	38	8.53	+3.49	2.00	0	11	21	7	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	70.6	+0.7	94	1	47	6†	37	5.05	+1.91	2.75	0	13	19	2	10	sw.	Elmer Keister
Circleville	Pendleton	...	1	...	...	...	...	...	...	...	6.74	...	3.40	0	11	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	...	...	...	...	...	...	...	5.64	+1.85	3.70	0	10	...	...	...		J. C. Newcomer
Kearneysville	Jefferson	548	3	73.4	...	97	1	52	5†	33	7.24	...	2.86	0	14	11	12	8	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}75.4	+2.5	102^{a}	1	54	7†	37^{a}	6.40	+2.63	3.90	0	13	21	8	2	se.	Dr. H. S. Gardner
McNeill	Hardy	900	37	72.2	−1.2	95	1	47	30	37	7.75	+4.70	4.05	0	9	4	15	12	w.	John W. McNeill
Piedmont	Mineral	1,053	20	72.5	+2.2	94	1	51	30	34	5.29	+1.90	1.80	0	9	14	14	3	se.	C. A. Suter, Jr.
Romney	Hampshire	824	35	^{d}73.2	+0.6	95^{d}	1	47^{c}	31	35^{f}	5.80	+2.13	3.16	0	8	16^{c}	1^{c}	11^{c}	...	George E. Bergdoll
Stony River Dam	Grant	3,300	13	...	...	...	...	...	...	...	7.23	+2.64	3.97	0	7	6	12	13	w.	A. C. Becker
Upper Tract^{b}	Pendleton	1,230	34	67.4	−2.8	87	1	46	29†	35	3.00	−0.19	2.00	0	6	...	...	...	...	Mrs. J. M. Mallow
Wardensville^{a}	Hardy	1,200	12	69.5	...	91	27	47	30	35	7.01	+2.35	3.54	0	13	15	5	10	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	...	...	...	...	...	...	...	7.23	...	2.61	0	10	7	18	6	w.	L. Else Bond
Alma (near)	Tyler	800	6	...	...	...	...	...	...	...	5.67	...	1.39	0	10	17	7	7	...	D. N. Furbee
Alpena	Randolph	2,571	3	64.3	...	82	3†	39	30	38	7.22	...	1.84	0	9	8	16	7	w.	Christian Hertig
Benson	Harrison	1,080	9	71.0	...	90	1†	45	30	35	4.94	...	1.60	0	11	10	16	5	...	R. D. Marts
Bens Run	Pleasants	652	31	74.8	+1.4	96	1†	55	30	28	4.25	−0.01	1.17	0	10	21	7	3	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	72.1	...	90	1†	46	30	35	5.21	...	1.77	0	10	20	9	2	...	George M. Meyers
Bruceton Mills	Preston	1,549	16	...	...	...	...	...	...	...	5.52	+0.69	1.82	0	9	13	9	9	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	69.8	−0.1	87	1	51	30	26	5.91	+1.86	2.00	0	9	14	15	2	...	H. A. Darnall
Cairo	Ritchie	680	32	71.6	−0.9	93	1	48	30	33	7.25	+3.44	1.85	0	13	16	11	4	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	71.6	−0.4	93	2	48	30	34	5.24	+1.08	2.03	0	12	15	8	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	...	...	...	...	...	...	...	5.72	...	1.90	0	13	11	16	4	w.	George W. Blair
Creston	Wirt	640	31	72.4	−0.8	94	1	50	6†	36	5.09	+1.20	1.43	0	11	18	2	11	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	12	...	...	...	...	...	...	...	5.57	+1.38	1.93	0	11	...	...	...	...	Lockmaster
Dam 12 O. R.††	Ohio	660	17	...	...	...	...	...	...	...	3.71	−0.28	1.00	0	11	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	17	...	...	...	...	...	...	...	4.85	+0.90	2.18	0	11	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	12	...	...	...	...	...	...	...	4.99	+0.79	1.44	0	10	...	...	...	...	Lockmaster
Davis	Tucker	3,093	24	...	...	...	...	...	...	...	7.65	+2.72	3.30	0	10	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	21	...	...	...	...	...	...	...	6.58	+2.03	1.75	0	13	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	32	67.9	−1.2	85	13	47	30	30	5.71	+1.85	2.00	0	14	3	12	16	se.	U. S. Weather Bureau
Fairmont	Marion	883	27	73.4	+0.9	92	1†	50	29	31	5.32	+1.59	1.46	0	12	8	14	9	w.	J. C. Robinson
Glenville	Gilmer	738	39	74.8	+0.9	94	26	51	30	33	7.86	+3.79	2.71	0	13	15	7	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	72.0	+0.6	92	2	50	30	32	5.71	+1.76	1.80	0	13	12	6	13	...	W. E. Clayton
Horner	Lewis	1,044	10	...	...	...	...	...	...	...	5.51	...	1.62	0	12	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	8	...	...	...	...	...	...	...	6.02	...	2.60	0	9	18	6	7	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	72.4	...	97	2	46	30	35	5.66	...	2.40	0	7	15	11	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	71.2	+0.5	94	26	46	30	39	6.23	+2.13	2.07	0	9	13	10	8	w.	Allen Smith
Mannington	Marion	985	30	70.0	−0.2	88	1†	47	30	30	6.58	+2.50	1.57	0	15	12	13	6	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	72.2	+0.2	93	1	51	27†	37	5.30	+1.18	2.16	0	10	13	15	3	sw.	Bruce Davis
New Cumberland	Hancock	671	35	72.0	+1.3	96	1	50	15	34	3.24	−0.12	1.51	0	10	10	13	8	n.	C. H. Hesse
New Martinsville	Wetzel	634	39	74.8	+1.2	100	1†	51	5	38	4.47	+0.90	1.08	0	12	13	12	6	s.	Wm. Ankrom
Parkersburg	Wood	638	46	73.6	−0.3	96	1	57	30	28	6.17	+2.66	2.12	0	13	12	10	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	69.9	+0.6	89	26	50	6†	35	6.35	+2.37	2.00	0	6	11	11	9	...	J. W. Swisher
Philippi	Barbour	1,550	36	...	...	...	...	...	...	...	4.67	+0.57	1.30	0	7	...	...	...	...	H. F. Brittingham
Pickens	Randolph	2,697	30	66.4	−0.1	85	1†	45	5	34	7.30	+1.91	1.70	0	15	15	10	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	...	...	...	...	...	...	...	5.93	...	2.18	0	13	18	3	10	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	...	...	...	...	...	...	...	7.35	+3.20	2.68	0	11	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	24	...	...	...	...	...	...		4.80	+0.22	1.13	0	10	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	32	65.6	−1.3	86	1	42	5	32	6.75	+1.73	1.60	0	12	2	18	11	w.	Okey Alkire
Thomas	Tucker	2,950	4	...	...	...	...	...	...	...	8.52	...	3.35	0	10	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	10	72.2	...	93	1	51	14	36	5.51	...	2.34	0	12	12	11	8	sw.	J. C. Campbell
Vandalia	Lewis	1,120	10	...	...	...	...	...	...	...	5.14	...	2.26	0	9	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	26	71.6	+1.4	94	1	45	30	44	4.07	+0.31	1.50	0	9	19	7	5	...	George P. Pfister
West Milford	Harrison	979	8	...	...	...	...	...	...	...	5.84	...	1.95	0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	73.8	+1.2	92	12†	50	30	32	4.89	+0.93	1.98	0	13	0	26	5	...	A. Henry
Wheeling	Ohio	645	46	74.6	+1.8	101	1	48	15†	41	3.58	+0.02	1.40	0	9	...	...	...	...	Miss M. B. Forsyth
Woodlands	Marshall	637	6	...	...	...	...	...	...	...	4.34	...	1.80	0	13	21	5	5	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	...	...	...	...	...	...	...	3.67	...	0.90	0	15	13	10	8	w.	H. S. Sutton
Bancroft	Putnam	574	29	75.0	+2.0	95	1	56	6†	31	5.54	+1.16	1.68	0	8	15	3	13	sw.	Charles N. Long
Beckley	Raleigh	2,440	30	69.1	−3.1	87	1†	48	6	33	3.82	+0.49	0.60	0	15	7	18	6	...	L. A. Mauck
Bluefield^{d}	Mercer	2,558	38	70.4	−0.1	86	2†	52	7	28	3.79	−0.24	1.20	0	11	1	17	9	...	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{d}74.4	−0.8	92^{d}	1	58^{d}	7	29^{d}	3.11	−1.37	1.30	0	5	9	4	18	...	D. J. M. Cook
Clay	Clay	706	17	...	...	...	...	...	...	...	6.69	+2.06	2.42	0	13	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	6	...	...	...	...	...	...	...	4.13	...	1.44	0	7	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	17	...	...	...	...	...	...	...	9.84	+5.81	2.51	0	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	17	...	...	...	...	...	...	...	5.32	+1.02	0.88	0	11	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	6	...	...	...	...	...	...	...	5.44	...	1.98	0	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	17	...	...	...	...	...	...	...	4.27	+0.83	1.13	0	9	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	...	...	...	...	...	...	...	7.06	...	2.34	0	9	...	...	...	...	Mrs. D. R. Gandinees
Gary	McDowell	1,426	17	72.9	+1.1	91	27	53	7	31	2.95	−1.86	1.51	0	12	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	74.2	+1.0	94	25	54	30	34	2.28	−1.63	1.02	0	15	11	14	6	...	Mrs. M. L. McClung
Huntington	Cabell	538	36	75.8	+1.2	95	1†	58	5	30	6.31	+2.54	3.14	0	12	9	15	7	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	14	...	...	...	...	...	...	...	3.60	−1.05	1.30	0	5	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	17	...	...	...	...	...	...	...	4.12	−1.08	1.27	0	12	...	...	...	...	Cabin Creek. Con. Coal Co
Kingston††	Fayette	1,481	3	...	...	...	...	...	...	...	3.10	...	1.05	0	5	...	...	...	...	Claud J. Wriston
Lewisburg	Greenbrier	2,250	33	69.4	0.0	88	2	49	30	29	4.10	+0.35	0.80	0	9	12	12	7	...	Rose Argabrite
Logan	Logan	700	30	...	...	...	...	...	...	...	2.88	−1.15	0.88	0	7	...	...	...	...	J. R. Wampler
Madison	Boone	675	12	73.8	−0.5	93	1†	53	6†	32	2.32	−1.56	0.79	0	11	18	9	4	...	W. E. Holy
Marlinton	Pocahontas	2,131	34	65.1	−1.2	86	2	44	30	28	4.19	−0.70	0.84	0	14	5	23	3	sw.	S. L. Brown
Point Pleasant	Mason	595	40	73.6	−1.2	98	24	51	30	35	4.36	+1.02	1.14	0	13	11	14	6	w.	Mrs. Abigail N. Henson
Rainelle^{a}	Greenbrier	2,424	3	66.6	...	86	3	42	6	33	4.59	...	1.10	0	17	9	4	17	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	73.6	+0.9	95	1	54	5†	33	7.72	+3.98	2.52	0	9	16	1	14	se.	Lockmaster
Richwood	Nicholas	2,193	3	69.2	...	91	1	47	7	33	4.48	...	1.10	0	17	8	6	17	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	73.4	−0.5	97	29	55	5†	40	5.57	+2.09	1.30	0	10	24	0	7	...	M. Frazier
Ryan	Roane	700	30	71.0	−0.7	95	1†	48	31	35	6.78	+2.72	1.50	0	13	14	9	8	...	Wm. E. Ryan
Sharples	Logan	889	13	...	...	...	...	...	...	...	1.28	−3.41	0.70	0	2	...	...	...	...	R. W. Howard
Spencer	Roane	789	29	72.7	+0.5	93	1	52	16†	34	8.76	+5.01	2.90	0	11	12	9	10	...	A. M. McKown
Sutton	Braxton	850	27	72.8	−0.5	92	26†	52	30	33	8.70	+4.35	2.70	0	11	20	0	11	...	C. B. Eakle
Union^{d}	Monroe	2,250	29	69.0	−1.2	87	17†	49	7	35	2.46	−1.36	1.30	0	7	5	17	5	...	W. M. H. Young
Wayne	Wayne	598	6	...	...	...	...	...	...	...	1.62	...	0.92	0	6	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	68.9	−1.5	89	1	48	5†	33	2.80	−0.78	0.70	0	11	25	4	2	...	A. P. Spence
Williamson	Mingo	67[illegible]	33	75.5	+0.8	96	1	57	7	32	1.46	−2.40	1.04	0	7	8	17	6	w.	J. E. Dotson
State averages and	extremes	...	...	71.5	−0.1	102	1	38	30	44	5.36	+1.39	4.05	0	11	13	10	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries.
Reference letters, a, b, c appearing in the table indicate number of missing days; for example, b represents two days, etc.

Daily Precipitation for August, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	T.			1.32						.52	2.00			.13	.16						.04	1.95	1.25	.01				.12			1.03	8.53
Brandywine	do	T.	.10		.35						.50	.10			.10		.22	.10			.08		.10		2.75				.20	.15		.30	5.05
Circleville	do			T.	.96						1.27	T			.07		.17	T.				.08	.09	.14	3.40	.05				.31		.20	6.74
Harpers Ferry ‖‖	do				.56							.28			.20	.01		.08			.26		.09	.26	3.70				T.			.20	5.64
Kearneysville	do	.03		.04	.30						.65	.10			.23		.05		.04		.54		.10	2.86	1.34			.75				.21	7.24
Martinsburg ‖‖	do		.02	.05	.30					.10	.10	1.05			.50				.02		.04		.10	.12	3.90					T.		.10	6.40
McNeill	do	T.			.72				T.		.60	.48		T.	.10		T	T.			T.	.73	.10	4.05	T.				.75			.22	7.75
Piedmont	do			.19	.81						.40	1.15				.10								1.80	.22				.04			.58	5.29
Romney‖‖	do				1.02							.51			.05				.08					.24	3.16				.43			.31	5.80
Stony River Dam	do				.84							1.84			.04							.40	.02		3.97	.12							7.23
Upper Tract	do			T	.25						.25	.10			.10							T.		2.00	.30								3.00
Wardensville‖‖	do				.56	.01					T	.44			.20			.06	.03		.66	.46	.10	.62	3.54	T.				.12		.21	7.01
Northern Division																																	
Aberdeen	Monongahela	.22	T.		2.61					.07	1.36	.05			1.04		T.							T.	1.52				.15	.04		.17	7.23
Alma (near)	Ohio			.14	1.28					.12		.66	.10	.26		.86			.70										.16			1.39	5.67
Alpena	Monongahela	.25			1.84			T.		1.20	.54				.14									1.40	1.13			.41				.31	7.22
Benson	do	.10			1.60					.10	1.48			.20				.28						.38				.30	.10	.05		.35	4.94
Bens Run	do			1.17					.09		.80	.08		.80	.43		.14		.05										.14			.55	4.25
Brownsville	do				1.77					.17	1 20	.60			.68		.02	.04							.21				.20			.32	5.21
Bruceton Mills	do	T			1.82				T.		1.05	.16		.31				.10			T.				1.36			.05	.10			.57	5.52
Buckhannon	do	T.	.40		2.00						1.44	.18		T.	.20		T.							.10	1.10				.13			.36	5.91
Cairo	Little Kanawha		.20	1.00	.99				.03	.19	1.85	.03			.62		.45			.47					.03				.32			1.07	7.25
Clarksburg‖‖	do		.44		2.03					.04	.65	.51	.01		.19			.38							.29	.01				.13		.56	5.24
Crawford‖‖	do	T.	.02		1.90				.11	.06	1.53	1.14			.28		.07	.04						.05	.26				.15			.11	5.72
Creston‖‖	Monongahela			.80	1.10					.05	.39	1.43	.05		.24			.24								.05				.30		.44	5.09
Dam 10, Mon. R.‖‖	Ohio				1.93					.04	.02	.72	.14		.71			.30		.12				.89						.17		.53	5.57
Dam 12, O. R.‖‖	do				.81					.08	.02	.60	.10		.06			.14		1.00					T.		.68		T.	.03		.19	3.71
Dam 13, O. R.‖‖	Monongahela				2.18					.11	.05	.79	.20		.35			.15		.60									.02	.10		.30	4.85
Dam 15, Mon. R.‖‖	do				1.20					T	.02	1.42			.50		.17	.20							.43	.30				.07		.68	4.99
Davis ‖‖	do				1.25					T	.03	1.12	.10		.07		T.					T.		.08	3.30	.60				.80		.30	7.65
Elizabeth(D'm 3 LK)	Little Kanawha		.03	1.07	1.37					.05	.42	1.33	.02		.23		.23	.38			.08									.42	.95		6.58
Elkins***	Monongahela	.22	T.	1.33	.11				.01		1.52	T.		.12	.01		T.	.03						1.61	.42				.12	.03	.12	.06	5.71
Fairmont‖‖	do			1.46					.05	.06	1.20	.03		.58		T.	.44							.47	.12				.10		.73	.08	5.32
Glenville ‖‖	Little Kanawha		.20	2.71	1.60					.24	.18	1.65	.03		.24			.15	.04						T.	.14				.35		.33	7.86
Grafton ‖‖	Monongahela				1.80				.07	.03	.98	.58		58			T.	.06	.04					.90	.04			.11	.12			.40	5.71
Horner	do	.10	.10	.05	1.62				.25		1.42	.40			.68									.10	.30				.34			.15	5.51
Horton	do			1.20							.80	.35			T.							.05	.05	2.60	.35				.22			.40	6.02
Janelew (near)	do			.10	2.30						1.45				.87										.38				.35			.21	5.66
Lost Creek	do	.04			1.76				T.		2.07	T.		.52			T.	.41	T.					.06	.98				.14			.25	6.23
Mannington	do		T.	T.	1.57				.02	.01	.71	1.15	.02	.35	.08		.06	.85		.07				.04	.26				.41			.95	6.58
Morgantown	do	T.		2.16					T.	T.	.53		.05	.64	.06		.26		.10					.80					.20			.50	5.30
New Cumberland‖‖	Ohio				.63					.06	.11	1.40	.02		.18			.09		.11				T.	T.			.42		T.		.22	3.24
New Martinsville	do			1.08	.15				.10		.77	.10		.30	.20			.22		.60								.20	.35			.40	4.47
Parkersburg***	do	.22	1.90	1.08					.10	.05	.87			.27	.02		.13		.64					T.	T.				.15		.61	.13	6.17
Parsons	Monongahela			2.00							1.45	T.		.50										1.50					.40			.50	6.35
Philippi	do				1.30							1.30			.60				.02						1.09	.02						.34	4.67
Pickens	do	.08	.03	.15	1.44						1.25	1.05	.18		.20			.20			.08			.70	1.70	.11			.10			.03	7.30
Roanoke	do				1.70					.18	2.18	.50	T.		.59			.01	T.					.01	.20	.02			.21	.02	.01	.30	5.93
Rowlesburg‖‖	do				1.48					.03		2.68	.16		.44			.20	.08						1.64	.18				.04		.12	7.35
Saint Marys‖‖	Ohio				1.13					.13	.61	.91			.68			.12		.20				T.	.02				T.	.18		.82	4.80
Terra Alta	Monongahela	.15			1.60						.60	.30			.28		.23	.19	.19					1.16	1.39				.11			.55	6.75
Thomas ‖‖	do				1.59					.05		1.73			.21				.05					.03	3.35	.76				.20		.55	8.52
Valley Chapel	do		.05		2.34				T.	.07	1.10	.02	.51					.29	.02						.29			.27	.37			.18	5.51
Vandalia	do		.07		1.80					.17	2.26				.21									.12	.24				.15			.12	5.14
Wellsburg	Ohio			1.50	T.				.05		.85			.89				.11	.25	.03					.06				T.			.33	4.07
West Milford	Monongahela	.50			1.95						1.85	.14		.15											.75				.15			.35	5.84
Weston	do		.12	.06	1.98					.12	.41	.98	.06		.36			.06	.02						.18					.32		.22	4.89
Wheeling‖‖	Ohio			1.40						.42	.57		.06	.05			T.	.15	.85	.04					T.				.04				3.58
Woodlands‖‖	do		.02		1.80					.03	.10	.75	.04		.30			.50		.35					.01				.08	.10		.26	4.34
Southern Division																																	
Arbovale	Great Kanawha	.07	.04	.84						.01	.90	.04			.17		.47	.07					.05	.35		.07		T.	.30	.02		.27	3.67
Bancroft ‖‖	do		1.63	1.68							.48	.87	.04		.70																.09	.05	5.54
Beckley	do	T.	.60	.16	.47				.02		.45			T.	.60		.10	.15	.50				.05	.03			T.	.24	.04	.35		.06	3.82
Bluefield	do	.17		.28	.29	.02					.21				.29	.09	1.13		.10											1.20		.01	3.79
Charleston ‖‖	do			.25	1.20						.32				1.30															.04		T.	3.11
Clay‖‖	do			1.05	1.97	.01				.01	.12	2.42	.01		.32	.07		.32							.02	.26						.11	6.69
Dam 6 G. K ‖‖	do			.53	1.44						.44		.20		1.42			.03	.07														4.13
Dam 19 O. R. ‖‖	Ohio	T.	.08	2.51	1.26	T.				.28	1.58	.21	T.		.41			1.53		1.18										.20		.60	9.84
Dam 20 O. R. ‖‖	do	.20	.08	.80	.88					.12	.48	.87						.85		.24										.18		.62	5.32
Dam 25 O. R. ‖‖	do	.36		1.98	.76					.03	.19	.81			.50				.02	.05										.13		.61	5.44
Dam 26 O. R. ‖‖	do			1.08	.85					.05	T.	.10	T.		.46				1.13	.07										.23		.30	4.27
Durbin	Great Kanawha				.80							2.34	.78					.45						.18	1.45	.48				.28	.30		7.06
Gary ‖‖	Big Sandy	.02	.34	.18	.19	.01				T.					.38		T.	.03	.12	.01		.15								1.51		.01	2.95
Hinton‖‖	do		.06	.13	.16	T.	.02			T.	1.02	.06			.22		.06	.16	.02			.02		.05	.02					.18		.10	2.28
Huntington	Ohio		.25	.67	3.14				.08		.58	.02		.06	.77			T.		.13									.08	.28		.25	6.31
Kanawha Falls‖‖	Great Kanawha			1.20	1.30						.30				.58															.22			3.60
Kayford‖‖	do			.97	.38	.01				T.	.44	.20			1.27	.04		.42	.17				.01	.01	T.					.20			4.12
Kingston	do	.40		.65					.40							.60							1.05										3.10
Lewisburg	do		.65	.10							.80						.37	.38	.45					T.					.49	.67		.19	4.10
Logan‖‖	Guyandotte			.88	.56						.49				.26		T.		.10											.55		.04	2.88
Madison	Great Kanawha		.37	.25	T.					.27	T.			.79	.17		.05	.02				.03							.11		.01	.25	2.32
Marlinton	do	T.	.30	.18	.32						.58	.84			.24		.22	.09	.06					.14		.20	T.	T.	.22	.46		.34	4.19
Point Pleasant‖‖	Ohio	1.14		.50	.72					.06	.10	.32	.06		.40		.04	.02		.08										.18		.74	4.36
Rainelle	Meadow Creek	.12	.56	.05	.58						1.10	.06				.04	.21	.46	.04		.33		.03	.14	.11				.02	.68		.06	4.59
Ravenswood(Dam 22	Ohio‖‖			2.10	.73						.08	2.52			.60			.18		.05										.23		1.23	7.72
Richwood	Great Kanawha		.26	.65	1.10					.10	.35	.14			.43		.05	.32	.12	.03			.01	.10	.28				.10	.42		.02	4.48
Robertsburg‖‖	do	.50		1.20	1.30					.12	.62	.98			.67			.07	.09	.02													5.57
Ryan	do		.60	.57	1.50				.04		.89	.29		.22	.34		1.09											.96	.08		.02	.18	6.78
Sharples‖‖	Coal River			T.							.70																			.58		T.	1.28
Spencer ‖‖	Great Kanawha			2.90	1.08					.06	.39	2.52	.02		.21		.72									.36				.24		.26	8.76
Sutton	Gauley		.30	.10		1.65				.30	1.85	2.70			.55		.10	.15								.80						.20	8.70
Union	do		.07	.04	.09						.40				.47		.09													1.30		T.	2.46
Wayne‖‖	Big Sandy			.12	.92						.20				.22			.15												T.		.01	1.62
White Sulpr. Spgs.‖‖	Great Kanawha		.25	.40						.15	.35			.30		.20	.10	.05						.20					.70		.10		2.80
Williamson‖‖	Big Sandy			1.04	.34					T.	T.	T.			.04	T.	.01	T.					.01							.01		.01	1.46

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.191	.174	.245	.378	.081	.192	.203	.235	.106	.092	.017	.277	.215	.165	.222	.178	.099	.191	.204	.193	.159	.221	.155	.036	.076	.188	.157	.167	.065	.243	.148	5.274
	Wind movement	21	17	32	52	25	27	13	17	35	13	19	33	28	28	26	13	17	21	29	22	55	59	64	131	28	12	8	18	44	62	39	1,008

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for August, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	87	86	83	78	75	77	80	79	81	74	78	85	80	77	77	75	80	79	80	79	66	65	72	82	84	81	83	78	74	70	66	77.8
	Minimum	60	68	61	59	40	41	42	48	62	54	63	53	60	60	43	50	48	58	51	54	55	60	62	62	51	53	50	52	51	38	53	53.6
Brandywine	Maximum	94	91	90	82	78	80	82	87	86	82	83	89	91	82	81	80	86	87	88	81	80	78	75	80	88	90	91	90	80	78	75	84.0
	Minimum	62	64	66	65	50	47	51	50	52	62	59	57	55	62	50	58	53	62	55	60	65	59	60	62	57	56	55	56	57	47	56	57.1
Kearneysville	Maximum	97	92	90	87	85	85	84	91	91	82	72	89	92	89	83	81	84	89	87	81	79	68	70	80	88	91	90	83	76	77	71	84.0
	Minimum	71	73	72	65	52	52	55	59	65	67	62	68	63	66	57	60	61	68	64	62	67	60	55	68	65	64	63	64	61	52	58	62.9
Martinsburg*	Maximum	102	95	95	95	90	82	90	96	96	75	89	93	96	84	85	83	85	91	90	82	75	70	72	80	93	96	91	87	82	82	..	87.4
	Minimum	73	74	73	65	64	67	54	60	59	68	61	64	64	67	59	61	61	62	65	64	68	60	60	67	67	64	64	64	61	54	51	63.4
McNeill	Maximum	95	94	94	84	83	85	85	89	91	80	87	91	93	85	85	82	91	89	90	81	78	76	69	80	90	93	92	83	80	78	68	85.2
	Minimum	65	65	70	65	51	48	52	52	62	61	65	60	56	66	52	59	54	65	57	60	66	60	62	65	60	57	57	56	60	47	59	59.2
Piedmont	Maximum	94	91	91	83	78	85	87	88	91	77	84	85	91	85	91	80	88	86	87	81	80	73	76	78	86	89	89	88	78	74	73	84.1
	Minimum	68	70	69	65	52	52	53	55	66	61	65	63	60	64	61	55	57	63	59	61	67	61	68	67	61	61	60	61	54	51	58	60.9
Romney*	Maximum	95	94	93	77	84	84	86	89	91	75	85	89	93	84	85	85	91	90	91	..	80	70	71	80	90	92	92	..	..	80	..	85.8
	Minimum	68	71	71	65	51	51	53	56	64	63	65	63	59	66	52	59	56	65	59	61	..	59	61	65	64	61	59	60	..	..	47	60.5
Upper Tract	Maximum	87	83	80	78	74	78	80	78	86	78	79	77	76	77	78	80	83	85	81	78	74	65	70	72	73	84	..	..	78	68	66	77.4
	Minimum	65	66	66	63	50	52	48	52	62	61	64	60	57	57	58	59	54	50	56	54	56	57	60	64	61	62	..	..	46	46	56	57.3
Wardensville	Maximum	89	90	90	89	76	80	80	81	85	88	75	80	..	89	79	80	80	83	84	86	79	73	67	74	78	86	91	80	76	74	69	81.0
	Minimum	65	65	68	64	49	49	53	52	60	62	64	60		55	51	52	55	65	55	59	65	57	61	64	57	58	57	58	58	47	55	58.0
Northern Division																																	
Alpena	Maximum	81	81	82	72	73	79	72	78	70	72	79	81	82	72	74	73	79	78	79	72	72	72	65	66	79	82	80	71	72	68	64	74.8
	Minimum	60	63	60	59	45	41	47	60	55	64	54	56	52	49	47	52	50	56	52	51	60	55	60	60	58	49	50	53	54	39	58	53.8
Bens Run	Maximum	96	96	94	77	85	88	88	79	88	82	85	88	90	83	80	87	86	81	86	84	86	82	78	86	92	94	93	72	81	81	72	85.2
	Minimum	74	74	70	66	57	60	61	66	68	66	68	66	69	65	58	61	62	64	64	60	66	62	66	69	65	66	66	63	58	55	61	64.4
Buckhannon	Maximum	87	85	83	79	76	79	78	79	79	76	78	80	83	74	76	80	78	78	79	78	78	76	70	73	82	83	83	76	75	76	70	78.3
	Minimum	69	69	68	63	53	53	54	57	66	64	68	67	63	57	57	67	58	64	61	58	62	62	62	65	59	60	61	61	58	51	60	61.2
Cairo	Maximum	93	90	87	88	83	85	86	77	85	82	83	87	89	82	84	82	85	82	84	83	85	84	83	83	86	90	86	91	81	73	70	84.2
	Minimum	61	63	67	68	54	53	53	58	64	65	67	63	62	65	57	54	58	63	61	57	55	56	54	60	58	59	54	60	55	48	61	59.1
Clarksburg*	Maximum	89	93	89	74	80	87	86	82	90	77	83	86	89	80	84	86	85	84	86	81	82	79	74	80	91	92	90	71	72	82	69	83.0
	Minimum	69	67	68	63	55	53	53	57	66	63	64	65	61	64	53	58	53	63	59	57	61	59	64	66	60	59	60	61	54	48	60	60.1
Creston	Maximum	94	91	88	85	83	86	86	85	87	84	84	88	88	82	81	83	85	84	85	85	86	83	77	84	90	92	91	81	82	81	73	85.0
	Minimum	69	67	67	64	54	50	53	57	63	65	67	61	62	65	56	59	56	61	59	56	59	55	58	67	59	60	60	61	55	50	61	59.9
Elkins	Maximum	84	85	85	67	76	78	80	78	80	76	77	81	85	72	76	77	79	79	80	79	75	73	67	74	83	85	83	78	74	72	71	77.7
	Minimum	66	65	64	55	52	50	50	55	61	59	66	63	58	57	54	58	53	62	58	59	61	60	63	63	58	56	58	59	53	47	58	58.1
Fairmont	Maximum	92	92	91	77	82	89	87	86	88	80	88	91	92	83	83	87	88	88	88	83	83	82	75	83	89	92	91	72	81	83	66	84.9
	Minimum	69	69	63	55	56	59	60	68	64	65	66	65	64	56	60	62	66	61	59	63	58	64	67	63	63	62	62	54	50	61	61	61.8
Glenville	Maximum	91	90	89	89	84	87	88	87	87	85	83	88	93	90	84	86	87	86	87	88	88	85	80	81	92	94	91	90	84	84	80	87.0
	Minimum	72	68	67	65	60	57	56	58	67	67	68	64	64	67	60	62	60	64	60	60	62	57	60	69	62	63	64	65	57	51	62	62.5
Grafton	Maximum	90	92	91	85	83	85	85	83	86	81	84	87	87	82	82	84	85	84	84	83	80	80	77	79	87	91	89	76	82	81	70	83.7
	Minimum	68	67	69	60	52	53	54	56	67	62	68	66	61	65	54	59	60	63	60	58	59	57	60	65	60	61	61	62	54	50	60	60.4
Lost Creek	Maximum	90	92	91	90	82	88	88	85	87	78	84	87	89	84	81	85	85	84	89	83	82	80	76	75	89	94	90	86	78	79	70	84.5
	Minimum	67	65	65	60	51	49	50	56	62	61	65	63	60	58	50	56	55	60	58	54	58	56	57	60	58	58	59	61	55	46	59	57.8
Mannington	Maximum	88	88	86	78	77	81	81	79	81	78	81	82	85	76	77	80	79	80	79	79	80	78	75	79	84	85	85	77	76	77	72	80.1
	Minimum	69	68	67	63	52	53	55	58	67	63	67	64	61	62	51	58	61	64	60	55	59	56	60	66	58	59	59	60	52	47	60	59.8
Morgantown	Maximum	93	92	89	82	79	69	85	84	82	78	76	83	84	77	84	84	82	81	85	85	82	81	85	79	89	88	88	81	82	85	77	82.9
	Minimum	77	73	66	66	53	54	60	64	65	63	66	66	65	62	62	53	62	66	63	62	56	56	65	64	63	60	51	51	52	62	56	61.4
New Cumberland*	Maximum	96	91	87	79	83	85	85	78	83	72	86	87	87	78	82	85	85	84	82	84	81	86	83	91	92	90	88	73	80	80	65	83.5
	Minimum	72	72	67	63	53	55	57	60	61	62	64	64	71	60	50	54	56	65	62	57	56	63	69	57	61	60	66	57	52	52	55	60.4
New Martinsville	Maximum	100	98	94	83	89	87	87	82	87	85	89	90	89	81	85	88	86	86	85	87	87	85	81	87	94	95	100	85	85	83	73	87.5
	Minimum	72	72	70	65	51	57	56	63	65	65	67	65	66	63	54	56	60	64	62	58	64	59	64	68	65	62	62	63	53	53	61	62.1
Parkersburg	Maximum	96	90	88	76	81	82	85	78	84	83	85	88	88	82	82	83	84	83	83	83	84	82	79	84	90	92	90	73	79	76	71	83.4
	Minimum	72	70	68	65	58	59	61	66	66	67	70	66	68	66	58	61	61	64	62	60	67	61	65	66	64	64	65	63	58	57	61	63.8
Parsons	Maximum	86	85	88	75	81	80	86	80	83	81	80	86	88	80	81	81	84	85	85	81	78	76	72	73	87	89	88	78	79	75	68	81.3
	Minimum	66	66	65	57	53	50	51	51	65	60	60	62	59	60	54	56	54	60	58	59	63	60	61	64	59	59	58	58	56	50	58	58.5
Pickens	Maximum	85	83	83	72	75	80	79	78	75	72	73	78	85	70	74	79	79	78	79	83	78	75	70	70	78	83	83	79	78	75	73	77.5
	Minimum	62	63	60	55	45	46	47	50	55	57	62	60	58	55	50	56	58	60	55	54	57	51	54	59	54	53	58	57	55	50	57	55.3
Terra Alta	Maximum	85	84	82	71	73	73	78	75	78	74	78	78	83	76	75	74	78	77	79	73	71	70	66	79	80	82	82	76	73	69	64	76.1
	Minimum	63	66	54	57	42	43	46	53	61	55	63	63	58	58	44	51	55	60	53	55	62	57	61	61	61	54	53	54	47	44	52	55.0
Wellsburg	Maximum	94	90	87	78	80	85	85	80	83	77	91	88	87	85	90	87	88	88	83	85	85	82	82	85	92	90	92	80	82	80	70	84.9
	Minimum	70	70	67	58	49	52	53	62	62	63	64	64	64	59	46	50	60	62	61	52	58	52	60	68	54	57	63	52	51	45	60	58.3
Weston	Maximum	90	91	90	89	76	85	86	85	88	86	84	92	91	90	88	84	85	84	86	85	85	83	76	75	90	91	92	91	79	82	80	85.8
	Minimum	70	71	69	64	55	54	55	60	65	66	68	65	64	65	58	61	56	64	60	59	62	64	62	64	60	66	64	66	58	50	52	61.8
Wheeling*	Maximum	101	97	92	83	87	90	91	82	90	82	90	92	87	85	87	90	90	90	84	88	86	84	80	86	96	98	95	88	85	85	87	88.7
	Minimum	75	70	65	59	64	64	62	54	57	60	61	64	66	56	48	55	56	60	54	70	70	54	60	70	55	64	71	56	50	48	56	60.5
Southern Division																																	
Beckley	Maximum	87	84	84	81	77	79	80	80	83	81	78	85	80	74	78	79	82	81	81	82	82	77	68	79	87	84	86	85	78	75	73	80.3
	Minimum	63	63	62	60	55	48	50	52	61	63	66	62	59	60	53	61	56	60	58	54	59	56	59	61	54	56	58	57	58	54	58	57.9
Bluefield	Maximum	85	86	86	81	76	..	80	82	83	81	80	85	..	85	78	76	81	80	82	..	81	76	70	80	84	85	..	85	75	66	76	80.2
	Minimum	65	67	64	65	58	..	52	56	65	66	66	65	..	60	55	59	58	62	60	..	57	60	60	63	56	60	..	59	61	58	59	60.6
Charleston*	Maximum	92	88	90	71	..	86	87	85	85	84	80	..	89	81	82	84	88	85	..	85	86	82	79	80	90	..	91	80	81	81	76	84.0
	Minimum	73	69	69	66	61	..	58	61	64	68	70	67	..	67	62	63	62	65	66	..	64	61	63	66	65	66	..	67	65	59	60	64.7
Gary*	Maximum	89	88	88	74	81	81	84	84	86	86	82	89	86	81	81	84	85	84	85	87	84	78	75	83	90	89	91	90	73	75	81	83.7
	Minimum	68	69	66	68	62	54	53	57	60	68	68	65	63	65	61	63	60	63	61	61	62	59	62	62	59	61	61	61	63	56	64	62.1
Hinton*	Maximum	90	88	91	77	85	86	90	85	87	89	87	93	88	83	81	85	86	90	90	85	88	79	72	86	94	91	92	87	72	75	73	85.3
	Minimum	70	70	68	69	64	58	56	56	59	69	67	64	64	65	61	63	60	61	63	63	64	64	64	66	62	63	64	64	64	54	56	63.1
Huntington	Maximum	95	91	90	78	82	86	89	85	85	88	85	91	88	85	84	86	91	87	86	86	88	82	87	86	92	93	95	86	82	77	78	86.6
	Minimum	73	73	70	66	58	61	60	66	65	70	73	64	69	67	59	64	61	67	63	61	65	63	65	66	64	64	66	66	61	59	64	64.9
Lewisburg	Maximum	87	88	85	85	75	77	79	81	83	79	77	82	86	78	78	78	79	79	79	79	78	75	73	76	83	83	82	84	70	71	66	79.2
	Minimum	65	65	66	67	58	52	51	52	61	64	67	58	58	64	63	64	54	62	58	52	61	62	61	66	55	57	59	58	61	49	58	59.6
Madison	Maximum	93	86	91	72	82	85	88	83	88	87	84	91	88	80	82	84	87	86	85	85	87	81	79	81	91	93	92	87	82	82	81	85.3
	Minimum	73	65	64	60	55	53	57	63	67	69	60	63	65	61	64	57	62	63	63	63	61	63	65	63	62	64	62	61	53	62	65	62.2
Marlinton	Maximum	84	86	80	78	76	80	74	76	78	72	76	78	80	72	74	70	74	76	80	76	74	72	68	70	78	80	78	76	68	68	62	75.3
	Minimum	60	58	58	56	54	52	46	48	56	58	62	54	56	54	50	58	56	58	54	52	56	54	56	62	56	54	54	60	52	44	54	54.9
Point Pleasant	Maximum	95	91	90	84	84	87	88	83	85	88	87	90	89	83	83	85	86	87	86	85	87	86	83	98	94	93	92	81	84	82	73	85.7
	Minimum	68	68	66	63	52	54	57	61	61	68	68	66	65	63	52	57	58	60	62	54	60	60	61	63	60	61	62	62	55	51	60	60.6
Rainelle	Maximum	82	82	86	76	75	75	78	78	80	80	75	76	82	76	73	71	81	81	..	82	79	72	68	76	83	83	85	85	77	70	65	77.7
	Minimum	62	62	62	62	53	42	45	46	59	59	60	56	56	56	56	61	52	60	..	55	57	56	53	62	54	52	56	55	53	49	57	55.6
Ravenswood	Maximum	95	92	88	85	81	84	84	85	85	86	86	87	88	83	85	83	85	82	84	84	84	84	85	86	88	93	91	84	80	77	73	85.1
	Minimum	69	69	66	63	54	56	56	62	64	66	69	64	65	66	62	56	59	65	61	59	66	63	62	61	62	60	63	65	58	54	62	62.2
Richwood	Maximum	91	87	84	86	76	78	80	82	81	82	82	82	86	82	76	77	80	82	81	84	82	87	76	69	83	84	85	84	74	76	71	81.0
	Minimum	62	64	63	60	53	48	47	50	63	62	67	60	56	62	53	61	54	63	57	56	54	56	62	56	60	55	54	56	59	50	61	57.5
Robertsburg*	Maximum	95	90	91	77	80	82	78	76	85	89	80	81	82	90	87	88	87	92	78	86	78	82	77	80	87	85	90	96	97	92	90	85.4
	Minimum	69	67	66	64	55	55	55	60	62	67	68	61	65	65	58	62	60	64	62	53	61	59	63	65	60	60	62	56	58	62	58	61.5
Ryan	Maximum	95	95	90	70	80	85	85	80	83	80	80	85	85	80	80	85	87	85	85	85	85	80	85	80	90	95	85	68	80	80	80	83.5
	Minimum	65	65	64	60	64	51	50	54	59	64	65	58	61	63	52	60	54	59	58	54	57	54	62	58	55	65	56	59	56	59	48	58.4
Spencer*	Maximum	93	85	88	78	81	85	81	81	85	83	85	86	87	82	86	86	85	84	84	83	83	80	78	83	90	91	91	78	79	79	79	83.8
	Minimum	71	70	68	64	56	55	55	60	64	67	69	63	65	66	57	52	60	63	63	59	62	61	63	67	60	61	63	63	54	52	56	61.6
Sutton	Maximum	91	81	75	90	90	79	84	84	83	83	82	89	89	86	83	80	87	87	86	85	83	82	79	80	88	92	92	90	79	79	77	84.4
	Minimum	67	68	69	66	62	58	54	53	56	64	65	67	63	65	57	62	56	63	62	62	63	56	59	63	60	59	61	62	61	52	61	61.2
Union	Maximum	85	83	85	85	79		79	81	85	85	77	86	..	82	77	77	87	87	84	..	78	78	73	80	87	85	..	73	72	71	69	80.4
	Minimum	62	64	64	65	58	..	49	50	59	62	65	58	..	55	52	62	52	63	56	..	55	60	58	63	52	54	..	54	60	50	57	57.7
White Sulphur Spgs.	Maximum	89	83	86	81	81	79	79	83	82	79	77	82	83	77	79	72	80	80	79	82	76	73	70	78	86	83	85	88	71	71	69	79.6
	Minimum	65	64	66	58	48	48	49	57	61	63	61	60	59	54	63	55	63	58	55	60	62	58	60	57	58	60	60	59	48	56	59	58.2
Williamson*	Maximum	96	92	91	73	83	86	88	84	90	87	86	92	88	84	82	88	88	88	88	88	88	82	83	83	91	91	93	87	82	79	84	86.6
	Minimum	72	74	68	68	62	60	57	59	65	71	71	68	64	67	61	62	64	64	63	64	64	63	65	64	63	62	61	63	65	58	65	64.4

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 9-26-33—900)

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WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

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R.

Vol. XLI PARKERSBURG, W. VA., SEPTEMBER, 1933 No. 9

GENERAL SUMMARY

The month was almost continuously warm, being the warmest September since 1925, and the fourth warmest of State record. Every station in the State showed an excess in temperature, the greatest in the central and southern sections. While the month was much wetter than usual, averaging nearly one inch above the normal, there were a number of stations in the southern section having monthly amounts considerable less than the average. This was the sixth month of the year with an excess of temperature, and the seventh with an excess in precipitation. Light frosts were reported from scattered localities in Greenbrier County on the 19th, and Grant County on the 30th. The month was unusually favorable for harvesting, threshing, and fall plowing. At the close of the month, corn cutting was progressing rapidly, and many fields were in shock; late potatoes were being dug with yields fair to good; buckwheat harvest was in progress; apple-picking was nearing completion, and fall plowing and seeding was somewhat general.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 70.3 or 3.9° above the normal. Moderately high temperatures prevailed from the 6th to the 9th, 11th to the 14th, and from the 23d to the 28th, with the highest readings generally on the 8th, 9th, and 25th. The temperature was somewhat low on the 2d, 19th, 22d, and 30th. The highest monthly mean was 75.3° at Huntington, and the lowest, 63.8° at Alpena. The highest temperature was 98° at New Martinsville on the 8th, and at Union on the 9th and 13th, and the lowest was 35° at Bayard on the 30th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 3.71 inches, which was 0.81 inch more than the normal. Most of the precipitation was received from the 3d to the 5th, 13th to the 15th, 20th, and from the 26th to the 29th. The greatest monthly precipitation was 6.81 inches at Davis, and the least, 0.67 inch at Union. The greatest amount in any 24 consecutive hours was 2.91 inches at Richwood on the 15-16th. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 9th; Bancroft, 6th, 7th, 9th, 10th, 16th, and 22d; Bens Run, 6th, 8th, 9th, 23d, 24th, 29th, and 30th; Cairo, 30th; Charlestón, 2d, 19th, and 22d; Elkins, 2d, 6th, 8th, 9th, 13th, 25th, 29th, and 30th; Fairmont, 4th and 5th; Hinton, 1st, 2d, 5th, 6th, 8th, 11th, 12th, 14th, 19th, 22d, and 25th; Huntington, 2d, 6th, 7th, 12th, 15th, 16th, and 30th; Marlinton, 5th to the 10th, 12th, 16th, 18th, and from the 23d to the 29th; Morgantown, 29th and 30th; New Cumberland, 1st, 2d, 3d, 6th, 7th, 25th, 26th, 29th, and

MISCELLANEOUS PHENOMENA (Continued)

30th; Parkersburg, 22d and 29th; Rainelle, 8th; Spencer, 11th; Wardensville, 15th; Wellsburg, 1st, 6th, and 30th; Williamson, 8th, 9th, and 22d.

Halo, solar: Elkins, 28th.

Thunderstorms (dates and number of stations reporting): 3d, 4; 4th, 6; 9th, 1; 11th, 2; 12th, 4; 13th, 8; 14th, 9; 15th, 1; 17th, 2; 19th, 3; 20th, 8; 27th, 5; 29th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.96	30.13	5	29.65	11	5.9	23	nw.	19	86	57	66	67
Columbus, Ohio	29.96	30.16	5	29.69	20	9.3	31	w.	20	80	59	68	57
Elkins	30.00	30.22	25	29.69	20	4.9	21	sw.	20	92	60	82	57
Parkersburg	30.00	30.18	5	29.74	11	5.1	16	nw.	21	86	54	72	67
Pittsburgh, Pa	29.96	30.16	1	29.62	20	8.7	28	sw.	20	84	61	68	50
Wytheville, Va	29.96	30.15	25	29.70	10	6.0	21	nw.	21	82	50	66	60

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	66.8	+0.4	.....	.....	1.66	−1.24	.....	.....	.....	....	....	....	....
1892	64.4	−2.0	92	32	2.57	−0.33	.....	.....	.....	6	....	....	...
1893	65.0	−1.4	91	29	2.28	−0.62	4.50	1.05	.....	6	....	....	...
1894	67.8	+1.4	98	31	2.50	−0.40	4.75	1.25	.....	6	12	11	7
1895	70.3	+3.9	107	29	1.70	−1.20	4.25	0.42	.....	4	17	8	5
1896	65.2	−1.2	95	22	4.59	+1.69	9.04	1.58	.....	7	14	9	7
1897	66.4	0.0	103	27	1.14	−1.76	4.00	0.02	.....	3	22	6	2
1898	67.6	+1.2	97	33	2.42	−0.48	4.75	0.80	.....	6	16	10	4
1899	64.0	−2.4	100	26	3.65	+0.75	6.35	1.65	.....	8	14	9	7
1900	71.1	+4.7	100	35	1.92	−0.98	5.50	0.34	.....	6	14	10	6
1901	64.8	−1.6	95	27	3.35	+0.45	7.64	1.46	.....	8	13	8	9
1902	64.8	−1.6	98	25	2.98	+0.08	4.81	1.23	.....	9	12	9	9
1903	64.7	−1.7	97	25	1.30	−1.60	2.78	0.10	.....	4	21	6	3
1904	67.0	+0.6	95	25	1.76	−1.14	4.55	0.53	.....	6	16	10	4
1905	65.6	−0.8	97	29	2.21	−0.69	4.21	0.54	.....	4	18	8	4
1906	69.9	+3.5	97	38	3.25	+0.35	5.44	0.57	.....	9	12	10	8
1907	66.3	−0.1	93	30	4.41	+1.51	7.10	2.00	.....	11	12	10	8
1908	65.9	−0.5	99	24	0.95	−1.95	2.54	0.26	.....	3	21	6	3
1909	63.7	−2.7	95	28	2.74	−0.16	8.75	0.63	.....	6	15	9	6
1910	68.4	+2.0	97	32	3.50	+0.60	6.04	0.50	.....	10	12	11	7
1911	68.8	+2.4	100	32	4.67	+1.77	8.30	1.80	.....	11	12	11	7
1912	68.6	+2.2	98	30	3.85	+0.95	9.18	1.13	.....	8	17	7	6
1913	64.2	−2.2	100	25	2.88	−0.02	6.38	0.86	.....	8	14	7	9
1914	63.2	−3.2	97	24	1.58	−1.32	5.65	0.17	.....	5	18	6	6
1915	67.6	+1.2	100	31	3.84	+0.94	7.18	2.00	.....	9	16	8	6
1916	63.0	−3.4	99	27	3.71	+0.81	7.88	1.01	.....	7	18	6	6
1917	62.4	−4.0	98	28	2.79	−0.11	6.62	1.16	.....	7	17	7	6
1918	60.5	−5.9	93	24	2.92	+0.02	4.73	1.37	T.	8	15	7	8
1919	66.0	−0.4	98	31	2.11	−0.79	4.37	0.12	T.	5	18	7	5
1920	66.7	+0.3	96	34	3.14	+0.24	5.38	1.34	.....	8	16	7	7
1921	70.9	+4.5	97	39	4.76	+1.86	9.07	1.65	.....	12	12	10	8
1922	67.2	+0.8	100	25	2.14	−0.76	5.64	0.10	.....	4	21	5	4
1923	66.5	+0.1	96	29	3.31	+0.41	5.36	1.00	.....	7	16	8	6
1924	60.7	−5.7	100	26	5.96	+3.06	8.97	2.80	.....	12	11	7	12
1925	70.9	+4.5	102	34	2.29	−0.61	5.89	0.50	T.	8	14	9	7
1926	68.6	+2.2	98	31	5.35	+2.45	10.57	1.44	.....	13	10	8	12
1927	67.0	+0.6	100	24	2.15	−0.75	5.29	0.23	.....	5	19	7	4
1928	61.3	−5.1	100	24	2.71	−0.19	6.45	0.81	.....	7	14	6	10
1929	66.5	+0.1	102	24	2.95	+0.05	6.25	0.57	T.	8	15	7	8
1930	69.3	+2.9	106	29	1.46	−1.44	3.81	0.36	.....	7	15	9	6
1931	70.0	+3.6	102	29	3.91	+1.01	6.70	1.45	.....	10	16	8	6
1932	66.5	+0.1	106	25	1.58	−1.32	4.66	0.10	.....	6	18	7	5
1933	70.3	+3.9	98	35	3.71	+0.81	6.81	0.67	.....	10	14	9	7
Period	66.4	.....	107	22	2.90	.....	10.57	0.02	T.	8	15	8	7

Climatological Data for September, 1933

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	64.6	+3.9	87	7†	35	30	44	4.70	+0.90	1.47	0	13	19	6	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	69.6	+5.2	92	8	40	2	47	0.95	−1.48	0.45	0	7	22	0	8	sw.	Elmer Keister
Circleville	Pendleton	...	1	...	...	...	...	...	...	...	2.40	...	0.77	0	9	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	...	...	...	...	...	...	...	3.98	+1.23	2.01	0	10	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	3	70.0	...	90	7†	46	30	38	2.44	...	0.70	0	8	13	10	7	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}70.0	+0.7	95^{a}	8	48	23†	42	3.59	+0.74	1.10	0	13	21	5	4	se.	Dr. H. S. Garduer
McNeill	Hardy	900	37	70.0	+2.6	96	8	42	30	44	3.77	+1.20	0.96	0	8	4	13	13	w.	John W. McNeill
Piedmont	Mineral	1,053	20	69.2	+3.9	92	24	48	19	38	2.71	+0.45	1.25	0	11	12	10	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	George E. Bergdoll
Stony River Dam	Grant	3,300	13	...	...	...	...	...	...	...	4.39	+1.64	0.90	0	11	8	6	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	34	^{b}66.7	+2.4	91^{b}	8	50^{b}	30	38^{b}	1.15	−1.18	0.50	0	5	13^{d}	3^{d}	10^{d}	w.	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	12	^{b}68.2	...	89^{b}	7†	44^{b}	30	40^{d}	5.36	+2.54	2.27	0	10	14^{a}	9^{a}	6^{a}	...	Reymanu Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	...	...	...	...	...	...	...	4.63	...	1.54	0	10	10	15	5	w.	L. Else Bond
Alma (near)	Tyler	800	6	...	...	...	...	...	...	...	5.25	...	1.49	0	10	18	4	8	...	D. N. Furbee
Alpena	Randolph	2,571	3	63.8	...	86	8	39	19	41	6.64	...	1.86	0	13	14	12	4	...	Christian Hertig
Bensou	Harrison	1,080	9	70.2	...	90	8†	43	30	38	4.93	...	2.38	0	8	15	9	6	...	R. D. Marts
Bens Run	Pleasants	652	31	73.2	+5.0	95	8	52	30	31	1.90	−0.64	0.73	0	8	18	10	2	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	70.5	...	93	8	45	30	39	3.61	...	1.10	0	12	15	13	2	...	George M. Meyers
Bruceton Mills	Preston	1,549	16	...	...	...	...	...	...	...	4.29	+0.42	2.36	0	10	13	12	5	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	68.6	+4.2	84	8	48	30	29	4.33	+1.18	1.22	0	10	13	14	3	...	H. A. Darnall
Cairo	Ritchie	680	32	71.2	+3.1	92	8†	45	19†	39	3.49	+0.43	1.57	0	6	19	8	3	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	70.1	+2.8	93	8	46	19†	39	4.61	+0.81	1.62	0	10	16	6	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	10	...	...	...	...	...	...	...	4.72	...	0.95	0	13	15	12	3	sw.	George W. Blair
Creston	Wirt	640	31	71.4	+3.7	94	11	45	30	40	2.62	+0.01	0.83	0	10	16	3	11	...	P. M. Basnett
Dam 10 Mon. R	Marion	826	12	...	...	...	...	...	...	...	5.66	+1.98	2.12	0	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	17	...	...	...	...	...	...	...	5.08	+1.55	2.28	0	12	...	...	...	...	Lockmaster
Dam 15 Mon. R	Monongalia	882	12	...	...	...	...	...	...	...	5.08	+1.74	2.38	0	11	...	...	...	...	Lockmaster
Davis	Tucker	3,093	24	...	...	...	...	...	...	...	6.81	+2.93	1.85	0	14	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21	...	...	...	...	...	...	...	1.76	−1.03	0.66	0	9	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	32	67.0	+4.0	86	25	44	30	36	5.62	+2.47	1.60	0	14	5	14	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	70.5	+3.3	97	8	49	18†	36	4.91	+2.08	2.17	0	9	16	6	8	w.	J. C. Robinson
Glenville	Gilmer	738	39	73.7	+5.4	95	8	49	30	38	3.89	+0.51	1.50	0	10	14	10	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	71.0	+4.6	93	8	46	30	39	3.73	+0.84	1.55	0	10	9	4	17	...	W. E. Clayton
Horner	Lewis	1,044	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	8	...	...	...	...	...	...	...	4.27	...	1.03	0	9	14	14	2	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	71.4	...	93	8	44	30	39	4.45	...	1.40	0	8	16	12	2	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	70.4	+5.1	96	8	41	30	43	5.99	+2.96	2.22	0	8	15	6	9	w.	Allen Smith
Mannington	Marion	985	30	68.0	+3.2	86	8†	43	30	36	4.54	+1.09	1.59	0	14	14	7	9	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	69.4	+2.0	90	9	51	21†	36	5.94	+2.82	2.11	0	13	12	14	4	sw.	Bruce Davis
New Cumberland	Hancock	671	35	68.4	+3.1	93	8	48	28†	34	5.54	+2.61	1.29	0	17	11	3	16	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	72.4	+3.9	98	8	49	30	37	5.36	+2.50	1.85	0	10	15	8	7	s.	Wm. Ankrom
Parkersburg	Wood	638	46	71.8	+4.5	92	9	47	22	36	2.20	−0.56	0.88	0	9	10	7	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	^{c}69.2	+5.7	91	8	50^{c}	7†	40^{c}	3.30	+0.13	...	0	10	7	18	5	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	7	...	...	...	...	...	...	...	6.13	+2.96	1.86	0	11	19	8	3	...	Robert T. Deem
Philippi	Barbour	1,550	36	...	...	...	...	...	...	...	5.72	+2.30	1.83	0	11	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	30	66.2	+4.5	88	8	43	29	35	5.45	+1.30	1.69	0	8	18	7	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	...	...	...	...	...	...	...	3.04	...	0.66	0	10	18	3	9	...	Miss Mary A. Courad
Rowlesburg	Preston	1,375	46	...	...	...	...	...	...	...	4.57	+1.41	2.00	0	12	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	24	...	...	...	...	...	...	...	5.07	+2.19	2.68	0	12	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Okey Alkire
Thomas	Tucker	2,950	4	...	...	...	...	...	...	...	6.03	...	1.53	0	15	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	10	71.2	...	91	8	46	19†	38	5.52	...	1.85	0	10	20	6	4	w.	J. C. Campbell
Vandalia	Lewis	1,120	10	...	...	...	...	...	...	...	4.66	...	0.89	0	8	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	26	68.8	+4.2	94	8	42	30	41	5.78	+2.70	2.43	0	11	17	4	9	...	George P. Pfister
West Milford††	Harrison	979	8	...	...	...	...	...	...	...	5.72	...	1.83	0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	71.8	+4.7	92	8†	51	20	36	4.59	+1.62	0.98	0	10	4	21	5	...	A. Henry
Wheeling (Dam 12)	Ohio	659	46	...	...	...	...	...	...	...	3.95	+1.06	1.45	0	13	...	...	...	...	Lockmaster
Woodlands	Marshall	637	6	...	...	...	...	...	...	...	3.53	...	1.08	0	11	14	4	12	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	...	...	...	...	...	...	...	1.59	...	0.98	0	8	16	10	4	w.	H. S. Sutton
Bancroft	Putnam	574	29	74.5	+6.3	93	8†	49	22	34	1.27	−1.66	0.35	0	8	14	0	16	sw.	Charles N. Long
Beckley	Raleigh	2,440	30	68.8	+2.7	90	25	42	22	38	2.04	−0.54	0.48	0	11	14	15	1	...	L. A. Mauck
Bluefield ^{j}	Mercer	2,558	38	71.0	+4.9	87	25	43	25	41	2.25	−0.32	0.62	0	9	3	13	4	...	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{f}73.0	+2.7	94^{f}	8	51^{e}	22†	33^{f}	3.54	+0.51	1.35	0	8	7	0	23	...	D J. M. Cook
Clay	Clay	706	17	...	...	...	...	...	...	...	2.32	−1.09	1.22	0	11	...	...	...	...	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	17	...	...	...	...	...	...	...	2.23	−1.07	0.71	0	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	17	...	...	...	...	...	...	...	2.92	+0.04	1.18	0	7	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	6	...	...	...	...	...	...	...	2.36	...	1.22	0	6	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	17	...	...	...	...	...	...	...	1.62	−0.62	0.54	0	11	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	...	...	...	...	...	...	...	2.15	...	0.85	0	4	...	...	...	...	Mrs. D. R Gandinees
Gary	Mc Dowell	1,426	17	71.9	+3.5	93	25	44	21†	43	2.11	−0.94	0.80	0	10	...	...	...	...	U S. Coal & Coke Co.
Hinton	Summers	1,431	36	73.6	+5.5	96	25	47	22†	43	1.34	−1.32	0.48	0	11	9	19	2	...	Mrs. M. L. McClung
Huntington	Cabell	538	36	75.3	+6.6	95	11	49	22	38	1.91	−0.71	0.42	0	9	10	17	3	w.	H. N. Robinson
Kanawha Falls	Fayette	618	14	...	...	...	...	...	...	...	3.11	+0.09	1.40	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	17	...	...	...	...	...	...	...	4.57	+0.99	1.39	0	10	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	3	...	...	...	...	...	...	...	2.40	...	1.60	0	3	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	69.3	+4.9	87	18	44	22	35	1.30	−1.43	0.80	0	3	20	9	1	...	Rose Argabrite
Logan	Logan	700	30	...	...	...	...	...	...	...	3.34	+0.24	1.01	0	8	...	...	...	...	J. R. Wampler
Madison	Boone	675	12	73.3	+5.7	95	8	47	20	38	3.62	−0.05	0.83	0	7	21	5	4	...	W. E. Holy
Marlinton	Pocahontas	2,131	34	64.0	+2.8	84	8	42	19†	32	2.56	−0.48	0.76	0	10	6	23	1	sw.	S. L. Brown
Point Pleasant	Mason	595	40	73.4	+4.0	96	8	46	22	41	4.46	+2.02	1.30	0	10	15	8	7	sw.	Mrs. Abigail N. Henson
Rainelle^{a}	Greenbrier	2,424	3	66.2	...	89	8	40	22	42	3.71	...	1.40	0	15	17	5	8	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	72.7	+3.7	94	8	44	22	38	1.36	−1.12	0.33	0	8	14	2	14	ne.	Lockmaster
Richwood	Nicholas	2,193	3	68.4	...	88	2†	44	19	37	5.66	...	2.91	0	14	12	7	11	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	70.6	+2.1	97	8	43	22	37	1.99	−0.45	0.79	0	6	20	0	10	...	M. Frazier
Ryan	Roane	700	30	71.0	+6.7	95	7†	38	22	46	1.26	−1.71	0.39	0	9	18	10	2	...	Wm E. Ryan
Sharples	Logan	889	13	...	...	...	...	...	...	...	6.08	+2.75	2.35	0	6	...	...	...	...	R. W. Howard
Spencer	Roane	789	29	72.0	+5.7	93	8†	44	22	41	2.27	−0.69	0.74	0	8	17	10	3	...	A. M. McKown
Sutton	Braxton	850	27	73.1	+4.5	96	8†	48	19	39	3.10	−0.42	0.60	0	8	22	0	8	...	C. B. Eakle
Union ^{d}	Monroe	2,250	29	69.5	+3.5	98	9†	39	22	45	0.67	−1.89	0.34	0	3	12	12	2	...	W. M. H. Young
Wayne	Wayne	598	6	...	...	...	...	...	...	...	3.30	...	1.99	0	10	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier ††	1,914	23	67.0	+2.1	86	10†	41	22	35	1.05	−2.10	0.40	0	6	28	1	1	...	A. P. Spence
Williamson	Mingo	673	33	73.8	+4.2	93	11	47	21	36	2.49	−0.55	0.94	0	9	13	13	4	w.	J. E. Dotson
State averages and	extremes	...	...	70.3	+3.9	98	8†	35	30	47	3.71	+0.81	2.91	0	10	14	9	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record. but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for September, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac			.29	1.47							.04	1.10	.24	.07	.30	.45	.01			.59	.02					.04	.08					4.70
Brandywine	do				.45						T		T.	.05			.10	.03			.12								.15	.05			0.95
Circleville	do	T			.49	.24					T.		.15		.12	.07		.23			.77							T.	.26	.07			2.40
Harpers Ferry ||||	do				T.	.21							.14	.78	.08	.04	2.01	.07			.24								.05	.36			3.98
Kearneysville	do				.31							T.	.10	.13	.03	.46	.70				.31									.40			2.44
Martinsburg ||||	do	.15		.10	.05	.30							.15	.15	.22	.35	1.10	.25			.43						.02			.32			3.59
McNeill	do	T	T.	T.	.96							T.	.60	T.	.13	.82	.20				.42			T.				.27	.37				3.77
Piedmont	do	.04		.10	1.25							.04	.22	.08	.08	.18	.38				.27								.07				2.71
Romney||||	do																																
Stony River Dam	do				.50	.27					.10		.90		.46	.54	.10				.87	.10							.28	.27			4.39
Upper Tract	do				.25										.10	.50	.10			.20								T.					1.15
Wardensville||||	do					.78	.01						.43	.30	.19	2.27	.46				.49				T.			T.	.04	.39			5.36
Northern Division																																	
Aberdeen	Monongahela	.03		.21	.68	.33							.22		.59	.65					1.54						T.	.28	T.	.10			4.63
Alma (near)	Ohio			.03	.65	1.43							.05		1.49	.01		.03			.50							1.01		.05			5.25
Alpena	Monongahela		.05	.11	1.20								.87	1.03	.41	.25	.02				1.86	.02						.20	.07	.55			6.64
Benson	do			.35	1.04	.32							.13		.48	.15					2.38							.08					4.93
Bens Run	Ohio			.05	.25									.04	.26	.05					.73							.48		.04			1.90
Brownsville	Monongahela	.06	.08		.92	.11							.20	.04	.63	.25		.04			1.10							.16	.02				3.61
Bruceton Mills	do				2.36								.40	.45				.05		.43		.10		.05			.05	.30		.10			4.29
Buckhannon	do	T.		.58	1.05								.30	.20	.32	.22		.05			1.22							.32	T.	.07			4.33
Cairo	Little Kanawha				1.00										.19	.58			.03		1.57								.12				3.49
Clarksburg||||	Monongahela	.06			1.49	.13							.70		.44	.68		.05			1.00								.03	.03			4.61
Crawford||||	do	.03		.62	.95	.15							.23	.66	.34	.19	.02				.95							.46	.05	.07			4.72
Creston||||	Little Kanawha	.43			.50	.23							.10		.30	.83					.10						.02		.07	.04			2.62
Dam 10, Mon. R.||||	Monongahela	.03		2.12	.66								.31		2.03	.04					.11							.08	.22	.06			5.66
Dam 13, O. R.||||	Ohio	.12		.03	2.28	.20							.30		.30	.43					.45				.03		.06	.03	.85				5.08
Dam 15, Mon. R.||||	Monongahela	.06			2.38	.23							.17		1.16	.04		.05			.38				T.			.07	.42	.12			5.08
Davis ||||	do	.25		.10	1.85	.31					.10		.50		.45	.60	.20	.15	.20		1.40	T.	T.						.45	.25			6.81
Elizabeth (D'm 3 LK)	Little Kanawha				.66	.15							.10	.02		.22	.02				.45						.04		.10				1.76
Elkins***	Monongahela	.01	.03	.90	.68					T.	T	.36	T	1.09	.31	.08		.20		.09	1.51					T.	.02	.19	T.	.15			5.62
Fairmont||||	do			2.17	.61							.15	T.	1.28	.03					.37							.08	.13	.09		T.		4.91
Glenville ||||	Little Kanawha	.12	.04		.78	.45							.20		1.50	.14		.03			.56						T.		.07				3.89
Grafton ||||	Monongahela	.10		.42	1.55						.06	.05	.25		15	.55					.40							T.		.20			3.73
Horner	do																																
Horton	do				.62							.54		.73	.29	.59	.13				1.03							.14		.20			4.27
Janelew (near)	do			.10	1.30	.70									.70	.15					1.25							.10		.15			4.45
Lost Creek	do	T.		1.04	1.18						T.	T.	.76		.23	.45		.05			2.20						T.	.08					5.99
Mannington	do			.41	1.59	.32						.06	.36	.47	.55	.02		.02			.27				.01		.04	.41	T.	.01			4.54
Morgantown	do			2.11	.45	T.						.17	.45	1.55	.11				.10		.06	.15	T.				.15	.60	.01	.03			5.94
New Cumberland||||	Ohio	.04		.71	1.29	.03	.02				T.		1.12	.29	.09	.16		.02			.31	T.		.03	.05		.44	.20	.67	.07			5.54
New Martinsville	do			.65	1.85	.18							.30	.56	1.12	.10					.28						.10	.22					5.36
Parkersburg*	do			.12	.76							T.		.24	.25			T.		.49	.07			T.		.02		.24		.01			2.20
Parsons	Monongahela	T.	*	.85	.35					.50				*	.25						*	1.00						*	.35				3.30
Parsons No. 2	do	.02		.30	.92						.04		.68	.76	.10	.89		T.			1.86					T.		.22		.34			6.13
Philippi	do	.13	.13		1.10	.18							.89		.42	.74					1.83							.02	.20	.08			5.72
Pickens	do		T.	.10	.83									.80	.55	1.69					.63							.45		.40			5.45
Roanoke	do			.02	.64	.11							.17	.43	.57	.06		.03			.64						T.	.37					3.04
Rowlesburg||||	do	.20			2.00	.22							.49		.18	.49	.08				.46	.02	T.				.04		.22	.17			4.57
Saint Marys||||	Ohio	.02		.04	.63	.12							.42	T.	.22	.07		.03			2.68						.02	.07	.75				5.07
Terra Alta	Monongahela																																
Thomas ||||	do	.33	.01	.10	1.39	.11					.04		1.30		.26	.25		.23			1.53	.05	.02						.08	.33			6.03
Valley Chapel	do	.10		.40	1.85	.76							.11		.50	.21					1.45							.10		.04			5.52
Vandalia	do			.88	.60								.39	.74	.41	.37					.89							.38					4.66
Wellsburg	Ohio			.80	.53	T.				T.	.12	.14	.53	.05	.41					T.	.72					T.	.80	1.63		.05			5.78
West Milford	Monongahela			.60	1.00								.71		1.10	.28		.10		1.83									.10				5.72
Weston	do	.08			.72	.98							.25		.76	.55	.05				.98								.12	.10			4.59
Wheeling (Dam 12)||||	Ohio	.20		.20	1.45	.19	T.						.35		.16	.36					.29			.02	.12		.13	.14	.34	T.			3.95
Woodlands||||	do	T.		.08	1.08						.06		.30		.50	.08					1.00						.01	.20	.18	.04			3.53
Southern Division																																	
Arbovale	Great Kanawha		T.		.98									.01	.15			.01			.32						T.	.01	.10	.01			1.59
Bancroft ||||	do				.20	.15							.10	.22		.35										.06		.04	.15				1.27
Beckley	do			.30	.48	.04							.04		.24	.09		.06			.48							.03	.18	.10			2.04
Bluefield	do	.03				.62							.29	.49	.17	.09	.19		.03					.34									2.25
Charleston ||||	do	.21			.45						.25			.27	1.35	.92					.08									.01			3.54
Clay||||	do	.06			.60	.10								.13	1.04	.18			.10		.03				T.		.01		.04	.03			2.32
Dam 6 G. K ||||	do																																
Dam 19 O. R. ||||	Ohio	.05		.01	.71	.13								.03	.33	.13					.46				T.		.03	.01	.33	.01			2.23
Dam 20 O. R. ||||	do	.18			.48	.46									.16	1.18					.44						.02	T.					2.92
Dam 25 O. R. ||||	do				.61	.20									.06	1.22					.07								.20				2.36
Dam 26 O. R. ||||	do	.21		.03	.24	.25								.02	.06	.54	.04				.13								.07	.03			1.62
Durbin	Great Kanawha				.50	.35									.85														.45				2.15
Gary ||||	Big Sandy	.80			.45	.30	.01							T.		.08	.13		.03		.20								.07	.04			2.11
Hinton||||	do	.13			.48	.20	.03							.01	.05	.15	.03		T.		.11							T.	.13	.02			1.34
Huntington	Ohio			.08	.34								.06	.34	.06	.41					.37					T.	.04	.21	T.				1.91
Kanawha Falls||||	Great Kanawha	.30			.06	.14								.30	.30	1.40														.61			3.11
Kayford||||	do	1.39			.20	.02								.05	.39	.70					.68								.95	.18	.01		4.57
Kingston	do												.40			1.60									.40								2.40
Lewisburg	do				.38										.12						.80							T.					1.30
Logan||||	Guyandotte	.36			.30	.60								.17	.28	.73					.40								.50				3.34
Madison	Great Kanawha			.20	.49								.47	.22	.83			T.		.83								.58	T.				3.62
Marlinton	do			.76	.12									.18	.12	.16		.28			.60						T.	.18	.10		.06		2.56
Point Pleasant||||	Ohio	.92		.02	.86	.26								.22	.16	1.30					.12						.04		.56				4.46
Rainelle	Meadow Creek		.01	.33	.76		.05							1.40	.05	.10	.01	.11	.01		.32							.32	.19	.04	.01		3.71
Ravenswood (Dam 22	Ohio||||	.15		T.	.33	.15								T.	.10	.30					.12					T.	T.		.19	.02			1.36
Richwood	Great Kanawha	.02		.10	.59								.03	.07	.34	2.75	.16	.03			.66						.02	.22	.45	.22			5.66
Robertsburg||||	do	.79			.72									.07	.02	.35											T.		.04				1.99
Ryan	do	.03		.03	.39							.04	.03	.30	.12						.28							.04					1.26
Sharples||||	Coal River					.40							.60		.90	2.35					1.28									.55			6.08
Spencer ||||	Great Kanawha	.13			.60	.06				T.				T.	.74	.25		.04		.21								T.	.24				2.27
Sutton	Gauley			.45	.55										.60	.20				.25								.45	.45	.15			3.10
Union	do				.34	T.										.28													.05				0.67
Wayne||||	Big Sandy	.25			.28	.06								.13	.36	1.99					.18						.02		.02	.01			3.30
White Sulpr. Spgs.||||	Great Kanawha				.25									.05		.10					.40								.20	.05			1.05
Williamson||||	Big Sandy	.01			.45	.26								.03	.39	.94					.20								.14	.07			2.49

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.036	.111	.169	.122	.042	.145	.183	.134	.190	.264	.190	.100	.067	.105	.102	.145	.106	.166	.200	.151	.356	.079	.133	.163	.158	.112	.102	.059	.106	.160		4.156
	Wind movement	18	12	12	14	12	10	6	8	11	76	30	35	36	12	24	50	15	40	48	45	152	56	28	28	13	10	11	39	24	21		896

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for September, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	78	82	80	73	78	85	87	87	83	78	71	75	75	79	70	68	75	73	75	70	61	67	70	81	85	82	78	73	69	79	....	76.2
	Minimum	57	50	53	63	55	41	45	54	54	65	52	58	57	58	53	50	59	57	47	58	47	49	57	50	47	59	51	58	50	35	....	53.0
Brandywine	Maximum	82	87	86	84	86	88	91	92	88	85	84	80	75	87	74	70	82	80	87	85	80	79	87	89	91	90	89	88	85	80	..	84.4
	Minimum	57	40	60	62	51	48	50	55	65	68	57	52	60	62	58	54	55	52	50	45	55	46	50	62	52	59	57	60	56	42	....	54.7
Kearneysville	Maximum	80	82	84	86	80	88	90	90	90	81	77	66	71	73	66	60	83	78	81	81	77	69	81	88	90	84	89	80	75	84	....	80.1
	Minimum	62	62	65	68	64	54	58	65	67	71	56	59	66	61	55	54	56	60	55	62	58	54	47	57	70	66	65	61	56	46	....	60.0
Martinsburg*	Maximum	85	85	87	90	83	90	93	95	92	92	75	68	65	70	60	65	85	85	85	85	68	72	73	90	93	88	88	82	80	..	....	81.7
	Minimum	58	62	64	64	64	53	53	53	65	62	58	65	58	60	55	53	55	62	57	62	58	57	48	52	58	62	65	62	57	48	....	58.3
McNeill	Maximum	85	86	89	76	84	91	94	96	93	91	75	67	74	83	78	65	85	81	84	80	73	75	88	92	92	92	84	85	78	81	....	83.2
	Minimum	61	58	61	61	60	48	50	57	65	72	55	60	60	63	58	55	60	50	45	62	57	60	48	48	54	60	56	60	55	42	....	56.7
Piedmont	Maximum	81	84	87	76	78	85	89	89	89	87	75	66	71	78	75	64	80	75	78	78	73	71	84	92	91	84	87	81	73	77	....	80.0
	Minimum	58	58	64	66	61	51	54	64	60	70	56	60	61	62	57	55	60	52	48	62	55	54	60	54	56	65	60	58	54	54	....	58.3
Romney*	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Upper Tract	Maximum	78	78	..	72	76	79	89	91	89	76	72	70	75	76	76	64	75	75	75	..	77	75	78	88	84	80	78	77	74	70	....	77.4
	Minimum	56	57	..	62	60	62	51	59	59	59	56	56	58	58	55	52	55	52	53	..	52	53	54	54	56	55	59	60	56	50	....	56.0
Wardensville*	Maximum	80	83	..	82	83	85	89	89	88	81	75	65	66	86	80	..	81	78	79	79	79	71	85	87	89	85	87	78	73	78	....	80.8
	Minimum	60	57	61	..	61	48	49	56	57	71	55	59	60	61	55	53	..	51	45	63	45	53	47	55	58	65	58	57	55	44	....	55.7
Northern Division																																	
Alpena	Maximum	75	81	78	68	76	64	85	86	80	81	75	80	77	76	70	77	72	74	76	67	67	66	76	79	82	79	74	71	68	76	....	75.2
	Minimum	57	51	55	63	57	42	44	53	51	54	54	62	58	59	60	53	51	57	39	57	46	43	44	52	47	58	54	57	47	51	....	52.5
Bens Run	Maximum	85	89	84	80	88	90	92	95	93	89	77	78	85	85	79	85	86	80	87	76	69	75	84	89	90	90	76	74	77	83	....	83.7
	Minimum	59	60	70	70	65	60	61	68	67	72	65	63	64	69	65	62	66	60	64	64	58	54	56	59	59	67	67	59	55	52	....	62.7
Buckhannon	Maximum	73	82	82	73	75	82	83	84	83	78	78	77	80	80	77	79	74	73	76	72	67	69	78	80	82	81	78	76	69	77	....	77.3
	Minimum	63	56	65	65	54	60	55	60	60	70	62	62	62	65	69	60	64	55	49	62	57	55	54	68	56	66	62	60	56	48	....	60.0
Cairo	Maximum	78	89	83	80	87	89	90	92	91	92	91	78	87	88	81	80	85	77	79	85	77	77	83	89	87	90	92	90	75	81	....	84.8
	Minimum	63	55	65	70	61	54	54	62	60	72	62	63	61	65	65	59	61	52	45	46	48	49	49	53	51	64	62	59	54	45	...	57.6
Clarksburg*	Maximum	81	89	87	73	84	90	90	93	89	82	74	75	87	83	78	85	82	76	83	74	61	73	83	88	92	87	78	75	75	85	....	81.7
	Minimum	61	57	63	69	60	54	54	62	60	72	60	61	59	66	66	58	61	53	46	60	55	54	51	54	53	64	61	61	53	46	....	58.5
Creston	Maximum	82	90	85	78	86	88	90	93	91	90	94	88	90	88	81	84	85	79	85	78	72	78	87	91	85	91	85	76	78	83	...	85.0
	Minimum	64	57	64	69	62	54	55	60	60	68	62	63	61	65	64	59	60	52	46	64	50	46	47	52	51	64	57	59	55	45	....	57.8
Elkins	Maximum	75	83	80	72	81	85	85	85	82	75	80	80	80	78	77	76	76	73	79	71	58	69	78	82	86	83	77	74	68	77	....	77.5
	Minimum	59	56	61	65	55	50	49	59	57	58	58	64	61	64	63	55	62	56	48	58	51	52	49	58	54	61	57	61	47	44	....	56.4
Fairmont	Maximum	84	92	89	75	87	92	93	97	92	74	76	74	89	81	80	82	83	79	78	78	63	75	69	91	88	75	77	71	68	83	....	81.2
	Minimum	56	65	70	61	55	58	64	64	71	61	60	60	68	66	58	63	55	49	62	56	55	54	58	55	67	64	60	55	49	56	..	59.8
Glenville	Maximum	84	91	87	86	88	91	93	95	93	91	88	87	91	86	83	85	86	86	87	85	76	79	89	91	94	91	87	78	79	86	....	87.1
	Minimum	64	64	62	63	61	56	58	64	64	70	63	65	62	67	68	60	64	55	51	65	56	50	51	55	56	66	61	61	57	49	....	60.3
Grafton	Maximum	81	90	85	74	87	91	91	93	91	83	76	80	87	83	78	85	84	79	83	77	71	76	84	88	89	88	80	75	78	85	....	83.1
	Minimum	63	56	65	69	60	53	55	62	61	71	59	62	60	67	65	58	62	51	47	63	55	55	52	56	55	65	60	61	53	46	....	58.9
Lost Creek	Maximum	82	90	86	75	84	91	94	96	91	86	79	78	89	86	84	88	84	80	85	77	70	75	85	86	92	89	81	75	79	84	....	84.0
	Minimum	61	55	65	67	56	50	51	60	58	70	58	60	58	64	65	55	60	52	45	60	53	50	49	52	56	64	60	60	50	41	....	56.8
Mannington	Maximum	75	83	82	75	79	82	83	86	86	81	73	73	81	80	75	79	80	75	79	72	66	70	80	82	83	81	75	71	71	79	....	77.9
	Minimum	59	53	65	69	60	53	55	62	61	67	59	60	60	65	65	58	61	50	46	64	56	54	52	54	52	64	60	59	54	43	....	58.0
Morgantown	Maximum	79	85	85	87	88	85	87	88	90	79	74	84	81	72	84	85	83	82	83	80	74	80	85	88	87	83	84	85	74	84	...	82.8
	Minimum	53	56	57	57	56	56	57	52	56	57	56	59	67	62	58	59	57	56	57	52	51	52	51	53	52	52	57	58	56	57	....	56.0
New Cumberland*	Maximum	80	81	77	85	86	88	91	93	91	81	64	74	77	76	71	83	82	75	82	73	63	73	74	88	89	83	76	77	72	80	..	79.5
	Minimum	54	55	56	69	55	56	59	62	67	67	53	56	58	64	60	58	62	59	50	53	55	55	57	54	57	59	67	48	49	48	...	57.4
New Martinsville	Maximum	86	91	83	80	89	92	94	98	96	85	80	74	82	83	75	85	92	80	84	80	74	80	81	92	90	87	82	74	79	85	....	84.4
	Minimum	62	58	68	68	63	58	57	65	65	68	62	50	61	68	63	61	64	53	51	65	67	54	55	57	54	66	65	57	55	49	....	60.3
Parkersburg	Maximum	79	90	83	80	86	88	91	92	92	83	80	77	84	85	77	82	83	79	86	76	63	74	83	90	90	91	77	71	78	84	....	82.5
	Minimum	61	60	71	69	65	60	61	65	66	70	65	62	64	66	63	62	66	57	50	59	55	47	57	59	58	68	62	57	56	51	....	61.1
Parsons	Maximum	80	79	88	75	82	89	90	91	87	80	85	89	81	85	70	83	81	80	81	74	65	71	83	86	89	84	78	75	72	83	....	80.9
	Minimum	58	56	65	67	58	58	50	60	60	60	59	60	60	59	60	55	58	54	53	60	50	52	50	50	56	63	64	..		..	....	57.6
Pickens	Maximum	75	84	84	72	80	84	86	88	84	79	75	85	83	78	76	74	77	72	78	72	69	68	80	82	86	85	82	75	64	78	....	78.5
	Minimum	55	53	60	59	56	55	51	56	58	57	54	62	58	60	63	55	56	57	44	55	47	49	48	51	52	54	51	54	43	44	....	53.9
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wellsburg	Maximum	80	89	80	87	89	90	93	94	92	82	72	71	81	75	72	86	84	81	85	74	68	75	74	90	89	87	75	74	75	83	....	81.6
	Minimum	55	51	67	68	54	51	56	62	60	61	53	57	60	66	61	51	61	48	46	61	55	54	55	50	50	61	63	49	55	42	...	56.1
Weston	Maximum	80	86	85	84	85	90	91	92	92	91	87	85	84	82	87	86	84	88	85	84	79	76	85	88	86	85	84	72	75	78	....	84.5
	Minimum	62	59	68	59	60	54	56	61	62	68	61	66	55	56	53	62	60	59	56	51	60	54	56	58	56	65	60	55	58	60	....	59.0
Wheeling*	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Southern Division																																	
Beckley	Maximum	80	86	83	78	79	83	88	89	82	79	82	86	86	85	82	75	82	77	82	75	64	74	83	86	90	87	84	79	73	81	....	81.3
	Minimum	56	53	61	65	63	54	54	58	61	64	53	59	62	60	62	60	58	54	48	59	46	42	47	51	52	60	61	60	55	49	....	56.2
Bluefield	Maximum	81	85	..	..	83	80	83	84	84	..	85	85	81	83	83	76	..	81	80	..	..	..	84	..	87	86	83	80	..	..	....	82.7
	Minimum	60	61	..	..	64	56	61	64	64	..	59	62	65	61	63	59	..	56	50	..	..	..	43	..	54	60	62	64	..	..	....	59.4
Charleston*	Maximum	80	..	..	78	86	89	90	94	..	93	89	89	89	88	81	..	86	81	84	80	69	78	..	87	89	87	85	74	77	..	....	84.3
	Minimum	67	65	..	..	69	63	63	64	68	..	64	65	69	69	70	69	..	60	54	54	54	51	51	..	56	60	64	63	64	55	....	61.6
Gary*	Maximum	87	90	86	81	77	85	88	88	89	86	90	90	88	87	85	81	85	81	86	79	68	78	88	89	93	91	87	83	77	87	....	85.0
	Minimum	64	61	63	69	69	59	60	63	64	63	61	62	65	63	65	67	62	57	48	49	44	44	45	50	54	60	58	61	63	51	....	58.8
Hinton*	Maximum	86	88	87	81	82	88	94	94	93	90	91	90	86	91	90	80	89	84	92	83	69	82	90	94	96	96	89	84	80	89	....	87.6
	Minimum	62	62	63	65	68	59	59	62	66	67	61	62	56	66	67	65	64	57	51	53	48	47	47	51	56	58	59	60	63	53	....	59.6
Huntington	Maximum	84	92	85	80	89	88	91	95	95	93	95	87	92	91	85	86	90	85	89	81	73	82	87	93	88	94	83	87	81	88	....	87.6
	Minimum	65	63	71	71	71	62	63	65	66	73	65	67	67	69	69	66	67	59	51	67	53	49	54	56	58	62	69	58	60	54	....	63.0
Lewisburg	Maximum	83	82	82	77	75	80	83	84	84	82	84	86	80	83	79	79	80	87	79	74	71	72	81	82	85	82	83	78	79	72	....	80.3
	Minimum	61	58	59	62	64	51	54	57	60	62	61	60	65	60	65	61	66	52	46	63	49	44	46	50	60	66	61	66	65	54	....	58.3
Madison	Maximum	85	93	84	81	90	90	92	95	94	92	94	90	92	88	84	89	89	83	88	79	69	79	87	90	91	91	87	76	78	88	....	86.9
	Minimum	63	64	69	68	60	60	63	64	68	60	64	66	65	67	68	66	57	48	50	47	48	49	53	55	56	59	61	61	54	57	....	59.7
Marlinton	Maximum	74	78	76	70	74	74	78	84	80	76	78	82	72	74	74	76	76	70	74	68	56	68	76	78	80	78	76	72	68	74	....	74.5
	Minimum	56	56	58	62	58	48	46	56	56	62	56	56	64	60	60	54	52	54	42	56	48	44	44	56	52	56	52	56	46	42	....	53.6
Point Pleasant	Maximum	84	92	90	80	89	92	94	96	95	92	93	85	88	89	85	84	87	86	89	82	77	80	87	92	91	93	89	78	80	86	....	87.5
	Minimum	61	57	68	68	63	58	58	61	62	68	63	62	60	65	61	62	63	55	48	65	53	46	51	55	55	64	65	57	54	47	....	59.2
Rainelle	Maximum	78	82	79	69	76	81	86	89	84	82	85	86	80	83	83	74	81	74	83	66	60	74	82	85	87	84	83	77	71	80	....	79.5
	Minimum	54	53	55	64	54	48	48	56	56	61	52	55	61	60	61	56	58	48	41	57	45	40	44	46	47	57	51	61	56	44	....	53.0
Ravenswood	Maximum	81	89	83	78	86	89	90	94	93	86	90	82	88	88	79	83	85	83	86	79	72	78	86	89	89	92	88	76	88	81	....	85.1
	Minimum	63	56	68	70	66	57	58	65	63	70	65	63	62	65	63	62	65	54	48	67	55	44	52	56	55	67	68	59	55	48	....	60.3
Richwood	Maximum	78	88	85	74	75	77	80	87	88	87	85	87	85	84	86	77	72	74	81	81	71	72	81	84	87	84	84	76	77	82	....	81.0
	Minimum	56	55	61	65	64	63	64	50	52	54	54	59	60	61	64	59	52	51	41	60	47	47	47	49	51	61	54	62	58	47	....	55.7
Robertsburg*	Maximum	80	95	85	82	78	78	80	97	89	87	94	89	87	80	82	85	89	74	80	80	72	74	76	87	82	80	78	80	80	82	....	82.7
	Minimum	60	58	62	68	65	58	57	61	63	66	62	63	64	67	63	63	60	56	48	60	53	43	50	54	54	61	58	57	55	47	....	58.5
Ryan	Maximum	80	93	80	80	88	90	95	95	95	90	90	85	95	90	90	90	85	85	85	80	75	75	90	90	95	90	85	80	85	80	....	86.9
	Minimum	63	54	64	66	60	51	52	56	60	65	62	60	59	61	64	60	57	48	54	41	48	38	44	49	49	61	56	61	48	42	....	55.1
Spencer*	Maximum	82	83	84	76	85	89	89	93	92	87	89	77	91	89	83	84	86	81	86	87	79	79	87	91	91	93	86	76	79	86	....	85.3
	Minimum	62	60	59	70	65	55	56	58	62	64	65	65	64	67	67	63	64	56	49	60	49	44	46	53	55	57	64	60	56	48	....	58.8
Sutton	Maximum	84	90	90	83	89	91	92	96	96	91	90	90	86	87	87	82	85	85	87	87	82	85	85	90	90	89	89	76	78	85	....	87.2
	Minimum	62	59	63	63	62	52	55	62	61	62	61	65	64	61	65	60	62	54	48	65	61	50	50	55	54	64	60	62	59	49	....	59.0
Union	Maximum	82	84	..	71	75	80	89	91	98	..	86	88	98	87	85	80	..	80	84	84	77	78	86	..	91	90	86	86	82	83	....	84.7
	Minimum	55	58	..	58	62	52	54	57	59	..	52	58	61	57	62	59	..	53	44	59	47	39	44	..	46	57	53	60	58	48	....	54.3
White Sulphur Spgs.	Maximum	69	79	80	82	78	76	82	84	85	86	81	84	86	76	81	80	80	80	79	80	75	63	72	79	81	84	82	82	80	75	....	79.4
	Minimum	59	58	59	62	62	49	49	58	59	60	58	58	64	60	61	60	57	50	44	57	49	41	42	48	51	56	54	57	54	43	....	54.6
Williamson*	Maximum	86	92	81	82	87	89	92	92	92	89	93	86	91	88	84	83	82	82	87	79	71	78	86	88	89	90	88	78	78	86	....	85.6
	Minimum	66	64	66	71	72	65	63	65	68	69	62	64	68	68	69	69	67	60	52	56	47	50	50	52	56	58	62	65	64	55	....	62.1

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO. Cleveland, 10-24-33—900)

NWE
DEC 30

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

R. P. POWELL

VOL. XLI PARKERSBURG, W. VA., OCTOBER, 1933 No. 10

GENERAL SUMMARY

October was an unusually pleasant month, with mild temperature, light precipitation, and a large percentage of sunshine. The temperature was somewhat below the normal in all sections, as there were only a few stations having positive departures. There were well-marked periods of high and low temperature. The precipitation was unusually light, practically every station reported monthly amounts much below the normal. There were a number of stations having from 12 to 15 days without measurable precipitation. Snow flurries were noted on the 25th in scattered localities of the State. Conditions were favorable for outdoor work and for maturing late crops, as killing frosts were not general in most of the agricultural districts until the 26th, about 14 days later than usual. At the close of the month, corn husking was general; wheat was in good condition and making fair growth, and pastures and meadows were green. The apple crop was secured under favorable weather conditions.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 53.6° or 1.0° below the normal. The temperature was above the normal on the 1st, 16th, 20th to the 22d, and considerably above from the 27th to the close of the month, with the highest readings occurring generally on the 1st. Cool weather prevailed from the 2d to the 10th, 14th and 15th, 17th to the 19th, and 25th and 26th, with the lowest temperature on the 26th. The highest monthly mean was 58.0° at Huntington, and the lowest, 46.8° at Marlinton. The highest temperature was 91° at McNeill on the 1st, and the lowest was 13° at Parsons on the 26th.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 1.67 inches, which was 1.15 inches less than the normal. The greatest monthly amounts were received in the mountain sections, and the least in the Ohio River counties and in scattered localities of the eastern section. Most of the precipitation was received on the 1st and 2d, 8th to the 10th, 12th and 13th, 17th, and from the 22d to the 24th. Snow flurries occurred on the 25th in the northern Ohio River counties and mountain districts. The greatest monthly precipitation was 4.31 inches at Pickens, and the least, 0.40 inch at Upper Tract. The greatest amount in any 24 consecutive hours was 1.95 inches at Kayford on the 23d. The average number of days with .01 inch or more of precipitation was 6.

LIGHT HAIL

Light hail, doing practically no damage, was noted in the following counties on the dates given: Cabell, 8th; Raleigh, 12th, and Monongalia, 18th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Aberdeen, 1st; Alpena, 2d; Arbovale, 5th, 7th, 8th, and 14th; Bancroft, 8th, 9th, 11th, and from the 15th to the 23d; Bens Run, 6th, 8th, 15th, 21st, 30th, and 31st; Charleston, 6th, 9th, 11th, 15th, 21st, and 30th; Creston, 12th and 14th; Elkins, 2d, 3d, 6th, 7th, 11th, 14th, 15th, 19th, 29th, and 31st; Glenville, 1st to the 8th, 13th, 15th, 19th, 26th, and 31st; Grafton, 6th and 31st; Hinton, 6th, 7th, 11th, 14th, 19th, 30th, and 31st; Huntington, 6th, 7th, 11th, 19th, and 31st; Kanawha Falls, 5th, 11th, 15th; McNeill, 3d, 6th, 7th, 11th, 15th, and 21st; Morgantown, 2d, 8th, and 31st; New Cumberland, 19th and 31st; Parkersburg, 6th and 7th; Wardensville, 4th, 7th, and 14th; Wellsburg, 2d, 4th, 6th, and 23d; Williamson, 3d, 6th, 11th, 14th, 19th, 28th, 30th, and 31st; Wheeling, 2d, 4th, 6th, 7th, 8th, 12th to the 16th, 19th, 21st, 24th, 29th, 30th, and 31st.

Halos, lunar: Parkersburg 1st and 28th.

Thunderstorms (dates and number of stations reporting): 1st, 6; 2d, 2; 8th, 4; 12th, 2; 22d, 3; 23d, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.13	30.46	2	29.64	8	6.7	23	nw.	24	83	54	60	61
Columbus, Ohio	30.13	30.42	23	29.66	8	10.2	35	nw.	24	80	55	60	56
Elkins	30.19	30.49	16	29.63	8	5.3	26	nw.	24	89	54	78	51
Parkersburg	30.16	30.42	2	29.65	8	5.6	27	nw.	24	82	52	68	59
Pittsburgh, Pa	30.14	30.44	3	29.64	7	8.7	35	nw.	24	79	52	58	50
Wytheville, Va	30.13	30.43	19	29.62	8	5.3	20	w.	8	82	49	65	69

COMPARATIVE DATA FOR OCTOBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	51.5	−3.1	95	21	1.97	−0.85	2.91	T.	......	7	....	....	....
1892	52.6	−2.0	89	24	0.83	−1.99	1.45	0.21	......	4	....	....	....
1893	54.1	−0.5	86	16	4.74	+1.92	7.22	1.00	...	5	21	6	4
1894	54.4	−0.2	88	22	2.32	−0.50	3.85	1.17	T.	7	16	8	7
1895	**48.1**	−6.5	89	8	1.29	−1.53	2.25	0.16	T.	5	22	5	4
1896	51.0	−3.6	82	20	2.08	−0.74	4.37	0.45	T.	7	14	9	8
1897	58.2	+3.6	95	22	0.53	−2.29	2.27	0.07	0	3	18	7	6
1898	55.6	+1.0	95	19	4.84	+2.02	8.50	2.48	T.	11	11	10	10
1899	56.8	+2.2	91	19	1.42	−1.40	3.81	0.23	0	5	15	7	9
1900	60.9	+6.3	97	24	2.33	−0.49	4.80	1.15	0	5	16	8	7
1901	54.3	−0.3	86	19	0.54	−2.28	1.95	0.12	0	3	19	6	6
1902	56.5	+1.9	87	17	2.63	−0.19	5.50	0.90	T.	6	16	8	7
1903	54.2	−0.4	96	15	2.55	−0.27	4.75	0.80	T.	6	17	7	7
1904	54.5	−0.1	92	16	1.59	−1.23	3.02	0.37	T.	5	18	8	5
1905	54.2	−0.4	95	19	4.71	+1.89	8.26	2.46	T.	6	13	8	10
1906	54.5	−0.1	86	12	3.09	+0.27	8.15	1.64	1.3	12	11	6	14
1907	50.3	−4.3	87	19	2.65	−0.17	5.12	0.54	0.1	7	15	9	7
1908	55.1	+0.5	91	16	1.60	−1.22	6.88	0.33	T.	5	18	7	6
1909	50.0	−4.6	88	14	2.79	−0.03	5.27	0.60	0.1	7	16	7	8
1910	58.1	+3.5	95	15	1.85	−0.97	2.96	0.80	0.7	6	18	7	6
1911	56.3	+1.7	88	23	5.28	+2.46	9.65	3.27	0	11	12	7	12
1912	55.5	+0.9	93	20	1.34	−1.48	3.10	0.20	T.	4	18	7	6
1913	54.5	−0.1	92	12	4.50	+1.68	8.11	1.78	0.3	11	12	6	13
1914	57.3	+2.7	91	14	2.94	+0.12	6.72	1.37	T.	9	12	8	11
1915	56.6	+2.0	89	20	4.11	+1.29	5.55	0.74	T.	6	17	7	7
1916	54.1	−0.5	97	16	2.38	−0.44	4.35	0.91	T.	7	19	5	7
1917	49.2	−5.4	89	16	4.35	+1.53	6.49	1.18	5.5	10	15	6	10
1918	58.2	+3.6	89	24	3.68	+0.86	7.53	1.59	T.	8	15	7	9
1919	**62.3**	+7.7	**102**	28	5.84	+3.02	11.88	2.13	0	14	9	7	15
1920	57.5	+2.9	90	21	1.15	−1.67	2.53	0.10	0 1	4	22	4	5
1921	53.7	−0.9	88	21	2.48	−0.34	5.76	0.30	0.1	8	18	5	8
1922	55.4	+0.8	93	18	2.45	−0.37	4.81	0.39	T.	6	19	5	7
1923	52.1	−2.5	93	12	1.39	−1.43	2.41	0.65	T.	6	19	5	7
1924	54.6	0.0	87	14	**0.40**	−2.42	1.28	**0**	T.	2	23	4	4
1925	49.3	−5.3	86	14	**7.30**	+4.48	**13.08**	2.19	4.3	16	5	7	19
1926	54.9	+0.3	92	20	4.79	+1.97	8.74	1.04	0.3	12	10	8	13
1927	57.0	+2 4	100	21	4.13	+1.31	11.10	1.14	0.4	8	19	4	8
1928	56.7	+2.1	94	12	1.98	−0.84	3.26	0.58	0.1	7	14	7	10
1929	52.6	−2.0	89	21	6.17	+3.35	10.93	3.92	0.1	11	13	6	12
1930	50.5	−4.1	94	**8**	0.96	−1.86	1.89	0.08	0.2	6	17	6	8
1931	57.0	+2.4	98	18	1.66	−1.16	3.03	0.58	T.	8	16	6	9
1932	54.9	+0.3	90	22	3.91	+1.09	7.21	2.12	0.1	9	12	7	12
1933	53.6	−1.0	91	13	1.67	−1.15	4.31	0.40	T.	6	16	9	6
Period	54.6	......	102	8	2.82	....	13.08	0	0.3	7	16	7	8

Climatological Data for October, 1933

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	49.3	+0.3	80	1	15	26	49	2.36	−1.55	0.82	0	7	24	4	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	53.0	+3.1	90	1	16	26	48	1.10	−1.13	0.50	0	5	23	3	5	n.	Elmer Keister
Circleville	Pendleton	......	1	......	......	......	......	......	......	......	1.42	......	0.63	T.	5	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	......	......	......	......	......	......	......	2.72	−0.32	1.65	0	7	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	3	53.3	......	86	1	24	26	40	2.51	......	1.02	0	6	17	14	0	se.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}53.0	−1.5	90^a	1	27	26†	42^a	2.40	−0.50	1.10	0	7	28	3	0	w.	Dr. H. S. Gardner
McNeill	Hardy	900	37	53.6	−2.0	91	1	18	26	48	1.27	−1.00	0.64	0	5	9	11	11	w.	John W. McNeill
Piedmont	Mineral	1,053	20	52.6	−0.7	86	1	22	26	39	1.22	−1.54	0.48	0	7	16	13	2	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	54.0	−0.9	90	1	19	26	42	1.31	−1.25	0.70	0	5	14	3	14	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	13	......	......	......	......	......	......	......	1.43	−1.67	0.67	0	5	6	8	17	w.	A. C. Becker
Upper Tract^b	Pendleton	1,230	34	50.3	−4.2	77	30	19	26	47	0.40	−1.73	0.20	0	3	......	......	......	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	12	^{a}50.6	......	78^a	31	20^a	26	44^b	1.14	−1.86	0.54	0	11	18	11	2	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	......	......	......	......	......	......	......	2.42	......	0.87	0	6	15	13	3	w.	L. Else Bond
Alma (near)	Tyler	800	6	......	......	......	......	......	......	......	1.25	......	0.68	0	9	15	4	12	......	D. N. Furbee
Alpena ^{a}	Randolph	2,571	3	49.0	......	77	1	16	26	43	3.12	......	1.41	0	9	17	11	2	......	Christian Hertig
Benson	Harrison	1,080	9	53.2	......	80	21	21	26	47	2.03	......	0.65	0	7	15	14	2	......	R. D. Marts
Bens Run	Pleasants	652	31	55.8	−0.7	81	21	29	26	39	0.86	−2.18	0.48	0	4	20	9	2	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	54.3	......	86	1	22	26	47	2.27	......	1.10	0	8	16	14	1	......	George M Meyers
Bruceton Mills	Preston	1,549	16	......	......	......	......	......	......	......	1.66	−2.58	0.60	0	4	16	11	4	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	53.1	−0.6	79	1	25	26	38	1.86	−1.49	0.76	0	7	17	13	1	......	H. A. Darnall
Cairo	Ritchie	680	32	55.2	−0.5	86	1	22	26	46	1.54	−1.42	0.78	0	6	18	7	6	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	52.2	−0.8	83	1	22	26	46	1.27	−2.09	0.59	0	6	19	10	2	w.	Clarksburg Water Board
Crawford	Lewis	1,107	10	......	......	......	......	......	......	......	1.91	......	0.64	0	11	9	20	2	w.	George W. Blair
Creston	Wirt	640	31	53.4	−2.3	82	31	22	26	46	1.98	−1.22	0.65	0	6	16	3	12	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	12	......	......	......	......	......	......	......	1.17	−1.84	0.57	0	7	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	17	......	......	......	......	......	......	......	0.67	−2.31	0.25	0	3	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	12	......	......	......	......	......	......	......	1.17	−1.91	0.59	0	10	......	......	......	......	Lockmaster
Davis	Tucker	3,093	24	......	......	......	......	......	......	......	2.68	−1.42	1.05	T.	8	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21	......	......	......	......	......	......	......	1.09	−2.39	0.45	0	6	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	32	50.4	−1.9	81	1	20	26	44	1.99	−0.92	0.95	0	10	8	8	15	s.	U. S. Weather Bureau
Fairmont	Marion	883	27	51.8	−3.1	86	21	24	25	43	1.30	−1.63	0.56	0	7	18	9	4	s.	J. C. Robinson
Glenville	Gilmer	738	39	56.2	+0.2	89	1	24	26	45	2.47	−0.68	0.92	0	7	16	9	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	55.0	−0.1	84	21	23	26	46	2.28	−0.89	0.75	0	6	20	4	7	......	W. E. Clayton
Horner	Lewis	1,044	10	......	......	......	......	......	......	......	2.51	......	0.76	0	5	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	8	......	......	......	......	......	......	......	1.74	......	0.73	0	5	16	10	5	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	54.2	......	85	1	21	26	47	2.71	......	1.03	0	6	14	11	6	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	53.4	−0.8	85	1	19	26	53	1.82	−1.07	0.78	0	6	18	5	8	w.	Allen Smith
Mannington	Marion	985	30	51.7	−1.9	78	21	21	25	43	1.29	−1.85	0.68	0	9	14	9	8	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	57.2	+2.0	85	1	22	26	39	0.79	−2.38	0.35	T.	6	14	11	6	sw.	Bruce Davis
New Cumberland	Hancock	671	35	52.1	−1.8	78	31	24	26	42	0.76	−2.02	0.24	T	11	11	7	13	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	55.4	−2.3	83	21	24	26	49	0.83	−2.14	0.50	0	4	13	6	12	n.	Wm. Ankrom
Parkersburg	Wood	638	46	55.0	−1.1	83	21	28	26	38	0.51	−1.97	0.20	0	6	10	11	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	53.6	+2.1	84	1	13	26	45	2.00	−1.29	1.25	0	4	14	7	10	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	7	......	......	......	......	......	......	......	2.02	−1.27	0.79	0	8	17	12	2	......	Robert T. Deem
Philippi	Barbour	1,550	36	......	......	......	......	......	......	......	2.66	−0.41	1.99	0	5	......	......	......	......	H. F. Brittinham
Pickens ^{a}	Randolph	2,697	30	50.8	−0.8	80	1	20	25	45	4.31	+0.07	1.65	0	6	19	6	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	......	......	......	......	......	......	......	1.79	......	1.00	0	5	17	5	9	......	Miss Mary A. Conrad
Rowlesburg ††	Preston	1,375	46	......	......	......	......	......	......	......	2.42	−0.78	1.00	0	9	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	24	......	......	......	......	......	......	......	0.76	−2.44	0.39	0	5	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	32	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Okey Alkire
Thomas	Tucker	2,950	4	......	......	......	......	......	......	......	2.74	......	0.90	0	9	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	10	54.8	......	85	1	25	26	48	1.69	......	0.75	0	10	13	8	10	ne.	J. C. Campbell
Vandalia	Lewis	1,120	10	......	......	......	......	......	......	......	1.71	......	0.75	0	5	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	26	52.4	−1.0	80	21	21	26	48	1.11	−1.78	0.40	T.	6	15	10	6	......	George P. Pfister
West Milford	Harrison	979	8	......	......	......	......	......	......	......	1.90	......	0.75	0	4	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	56.6	+1.2	81	2	23	26	43	1.85	−1.17	0.85	0	8	2	24	5	......	A. Henry
Wheeling (Dam 12)	Ohio	659	46	53.0	−1.8	81	30	25	26	49	0.63	−2.00	0.28	0	4	......	......	......	......	Lockmaster
Woodlands	Marshall	637	6	......	......	......	......	......	......	......	0.82	......	0.43	0	4	18	8	5	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	......	......	......	......	......	......	......	1.41	......	0.85	0	8	17	10	4	w.	H. S. Sutton
Bancroft	Putnam	574	29	56.0	−0.6	82	22	27	26	43	1.11	−1.94	0.78	0	2	18	0	13	ne.	Charles N. Long
Beckley	Raleigh	2,440	30	52.8	−2.9	81	1	22	26	42	3.33	+0.39	1.30	0	11	16	10	5	......	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	38	54.9	−0.8	84	1	25	26	39	0.82	−2.12	0.40	0	4	10	13	3	......	Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{e}56.1	−2.7	87^e	1	30^e	26	36	1.66	−1.26	0.87	0	4	14	1	16	......	Mrs. Edith A. Bodimer
Clay	Clay	706	17	......	......	......	......	......	......	......	1.81	−1.48	0.66	0	7	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	6	......	......	......	......	......	......	......	1.85	......	1.18	0	4	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	17	......	......	......	......	......	......	......	0.56	−2.76	0.28	0	5	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	17	......	......	......	......	......	......	......	0.74	−2.60	0.35	0	4	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	6	......	......	......	......	......	......	......	0.83	......	0.27	0	5	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	17	......	......	......	......	......	......	......	0.96	−1.75	0.32	0	5	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	......	......	......	......	......	......	......	2.04	......	0.98	0	3	......	......	......	......	Mrs. D. R Gandinees
Gary	McDowell	1,426	17	54.8	−0.7	89	1	26	26	46	1.74	−1.52	0.65	0	8	......	......	......	......	U S. Coal & Coke Co.
Hinton	Summers	1,431	36	56.5	−0.5	87	1	27	26†	47	1.31	−1.34	0.60	0	5	23	4	4	......	Mrs. M. L. McClung
Huntington	Cabell	538	36	58.0	+2.0	86	21	29	26	45	0.96	−1.06	0.34	0	7	12	15	4	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	14	......	......	......	......	......	......	......	2.58	−0.74	1.20	0	5	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	17	......	......	......	......	......	......	......	4.05	+0.24	1.95	0	6	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	3	......	......	......	......	......	......	......	2.00	......	0.80	0	3	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	33	^{d}54.4	+1.2	84^d	5	22^d	26	42^d	0.78	−2.13	0.42	0	2	30	1	0	......	Rose Argabrite
Logan	Logan	700	30	......	......	......	......	......	......	......	2.01	−0.84	0.60	0	6	......	......	......	......	J. R. Wampler
Madison	Boone	675	12	55.4	0.0	88	21	26	25	43	1.89	−0.54	0.83	0	5	22	6	3	......	W. E. Holy
Marlinton	Pocahontas	2,131	34	46.8	−2.8	76	1	14	26	42	1.99	−1.12	1.14	0	5	12	18	1	nw.	S. L. Brown
Point Pleasant	Mason	595	40	55.8	−1.4	87	1	25	26	48	0.82	−1.92	0.28	0	4	16	8	7	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	50.2	......	83	1	19	26	43	1.77	......	0.94	0	11	16	6	9	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	56.1	+0.5	84	1	25	26	44	0.90	−2.32	0.38	0	4	11	9	11	nw.	Lockmaster
Richwood	Nicholas	2,193	3	53.5	......	82	1	24	26	38	2.21	......	0.92	0	9	10	7	14	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	52.0	−4.6	86	1	22	26	43	1.16	−1.62	0.52	0	5	18	0	13	......	M. Frazier
Ryan	Roane	700	30	52.6	+0.2	85	21	20	26	49	1.57	−1.80	0.50	0	10	15	12	4	......	Wm E. Ryan
Sharples	Logan	889	13	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	R. W. Howard
Spencer	Roane	789	29	54.7	−0.1	85	1	26	26	43	2.02	−1.15	1.32	0	3	19	11	1	......	A. M. McKown
Sutton	Braxton	850	27	55.4	−1.2	85	1	24	26	43	2.40	−0.80	0.75	0	8	23	0	8	......	C. B. Eakle
Union ^{e}††	Monroe	2,250	29	51.2	−3.0	77	12†	20	26	46	1.21	−1.76	0.91	0	3	17	2	7	......	W M. H. Young
Wayne	Wayne	598	6	......	......	......	......	......	......	......	1.23	......	0.63	0	5	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	^{a}50.4	−1.9	80^a	1	21	26†	44^a	1.05	−1.81	0.75	0	2	26	3	2	......	A. P. Spence
Williamson	Mingo	673	33	56.0	−1.7	86	1	31	26	39	1.73	−1.08	0.55	0	6	14	13	4	nw.	J. E. Dotson
State averages and	extremes	......	....	53.6	−1.0	91	1	13	26	49	1.67	−1.15	1.95	T.	6	16	9	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1933

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac								.01				.14	.07				.65	.66					.82	.01								2.36
Brandywine	do	.05												.25				.50	T.					.25	.05								1.10
Circleville	do		.21								T.			.21			.63	T.						.27	.10								1.42
Harpers Ferry ||||	do		1.65								.19			.20				.50		.06					.10	.02							2.72
Kearneysville	do	.92									.13			.27				1.02	T.						.14	.03							2.51
Martinsburg ||||	do		.65								.05			.30				1.10						.10	.05	.15							2.40
McNeill	do	.10							T.	T.			T.	.17			.64		T.				T.	.26	.10								1.27
Piedmont	do	.09							.08									.48	.04				.02	.48	T.	.03							1.22
Romney||||	do	.05																.70	.05					.50	.01								1.31
Stony River Dam	do		.40											.28				.67		.02					.06								1.43
Upper Tract	do													.10				.20						.10									0.40
Wardensville||||	do	.02			T.	T.	.01			.05			.24	.02	.03			.54		.04		T.		.14	.04					.01			1.14
Northern Division																																	
Aberdeen	Monongahela	.79							.10		T.		.12	.17				.87						.37									2.42
Alma (near)	Ohio	.10							.08	.01			.02	.10			.02	.68	.01					.23									1.25
Alpena	Monongahela	.39	.05						.14		.03		.14	.05				.79					T.	1.41	.12								3.12
Benson	do	.50						.10					.15	.30			.05	.65						.28									2.03
Bens Run	Ohio	T.							.14	T.			T.	.06			T.	.48						.18									0.86
Brownsville	Monongahela	.28							.07		.01		.09	.22				1.10	.08					.42									2.27
Bruceton Mills	do	.46							T.					.35				.60					.25		T.								1.66
Buckhannon	do	.50									.05		.14	.12			T.	.76	.05		T		T.	.24	T.								1.86
Cairo	Little Kanawha	.23							.09				.04					.78						.38	.02								1.54
Clarksburg||||	Monongahela		.25											.25				.59	.01					.13	.04								1.27
Crawford||||	do	.27				.04			.06		.06		.13	.17			.02	.64	.04					.46	.02								1.91
Creston||||	Little Kanawha		.62							.05	.03			.25				.65						.38									1.98
Dam 10, Mon. R.||||	Monongahela		.05						.03		.02			.23				.57						.22		.05							1.17
Dam 13, O. R.||||	Ohio									.20								.25						.22									0.67
Dam 15, Mon. R ||||	Monongahela		.04						.03	.01	.01			.23				.59		.03				.18	.04	.01							1.17
Davis ||||	do		.25			T.					.05	T.		.40				1.05		.10				.66	.12	.05							2.68
Elizabeth (D'm 3 LK)	Little Kanawha								.02	.10				.16				.45						.25	.11								1.09
Elkins***	Monongahela	.25				T		T.	.02	.03	T		.16	.04			.15	.37	.02		T.		.69	.26	T.								1.99
Fairmont||||	do	.08							.01	.02			.28				.56	T					.26	.09									1.30
Glenville ||||	Little Kanawha		.68						.03	.08		T.		.35				.92						.38	.03								2.47
Grafton ||||	Monongahela	.75							.05	T.			T.	.45			.70						.23		.10								2.28
Horner	do	.35									.60							.55					.76						.25				2.51
Horton	do	.40											.24					.73					.30		.07								1.74
Janelew (near)	do	1.03						.15					.13	.25				.95						.20									2.71
Lost Creek	do	.47							T.		T.		.20	.18			T.	.78	.04		T.		T.	.15	T.								1.82
Mannington	do	.09							.05		.02		.02	.11			.04	.64						.30	.02								1.29
Morgantown	do	.08							.03	T.	T.		T.				.16	.35	T.				.09	.08	T.								0.79
New Cumberland||||	Ohio		.02			.02				.13	T.							.17	.07	.05	.03		.08	.16	.02	.01							0.76
New Martinsville	do								.10								.08	.50						.15									0.83
Parkersburg* **	do	T.						T.	.03	.01			.09				.20		T.		T.		.13	.05	T.								0.51
Parsons	Monongahela								T		T		.25				.20	.30					1.25										2.00
Parsons No. 2	do	.22							.06		.05		.18					.79	.05					.66	.01								2.02
Philippi	do		1.09						.05					.28				.95	T.					.29									2.66
Pickens	do	.90									.15		.10	.30				1.21	T			1.65											4.31
Roanoke	do	.31							.05	T.			.25				1.00	T.						.18		T.							1.79
Rowlesburg||||	do		.60						.04		.03			.36				.98	.02	.08				.28		.03							2.42
Saint Marys||||	Ohio								.05	.02				10				.39			T.			.20		T.							0.76
Terra Alta	Monongahela																																.....
Thomas ||||	do		.38						.10		.04			.37				.75		.10		.08		.90	.02	T.							2.74
Valley Chapel	do	.50	.02						.05				.03	.20	.02		.02	.75	.03					.07									1.69
Vandalia	do	.35							.07				.23					.75						.31									1.71
Wellsburg	Ohio								.40	T.								.21	.18		.06		.14	.12		T.							1.11
West Milford	Monongahela	.75												.45				.65							.05								1.90
Weston	do		.21						.08		.03		.28					.85	.02					.32	.06								1.85
Wheeling (Dam 12)||||	Ohio					T.				.14	T.							.16		.05	T.			.28									0.63
Woodlands||||	do									.20				.04				.43					T.	.15									0.82
Southern Division																																	
Arbovale	Great Kanawha	.10							.02				.02	.22				.85	.02					.09	.09								1.41
Bancroft ||||	do													.33				.78															1.11
Beckley	do	.50	.07					.03	.02				.12	.37			.08	1.30					.56	.22	.06								3.33
Bluefield	do	.23			.03									.16				.40															0.82
Charleston ||||	do		.22											.29				.87						.28									1.66
Clay||||	do		.42						.01		T.			.41				.28		.02				.66	.01								1.81
Dam 6 G. K ||||	do		.25											.24				1.18						.18									1.85
Dam 19 O. R. ||||	Ohio								T.	.05	T.			.04				.18	T.				.01	.28	T.								0.56
Dam 20 O. R. ||||	do									.02			T.	.12				.35	T.		T.		T.	.25	T.								0.74
Dam 25 O. R. ||||	do								.03	.20				.16				.17						.27									0.83
Dam 26 O. R. ||||	do									.16	.03			.32				.15						.30									0.96
Durbin	Great Kanawha		.38															.98							.68								2.04
Gary ||||	Big Sandy		.54	.02					.02					.15				.65						.05	.30	.01							1.74
Hinton||||	do		.32						T.					.20				.60						.01	.18	T							1.31
Huntington	Ohio	.06						T.	.15	T.			.14	.14			.11	.02	T.					.34									0.96
Kanawha Falls||||	Great Kanawha		.48										.03	.47				.40						1.20									2.58
Kayford||||	do	1.31											T.	.38	.04				.29					1.95	.08								4.05
Kingston	do		.40							.80														.80									2.00
Lewisburg	do																	.42		.36													0.78
Logan||||	Guyandotte		.60							.08		T.		.30	.01			.58						.44	T.								2.01
Madison	Great Kanawha	.83							.04	T.		T.	.38	T.			.43						.21	T.									1.89
Marlinton	do	.29											T	.26				1.14						.22	.08								1.99
Point Pleasant||||	Ohio									.18				.16				.20	T.					.28									0.82
Rainelle	Meadow Creek	.16	.05	T.			T	T.	.10	.03			.09	.24	.01		.01	.94					T	.11	.03								1.77
Ravenswood (Dam 22	Ohio||||													.20				.38		T.				.28	.04								0.90
Richwood	Great Kanawha	.12	.25						.04				.02	.36			.02	.90						.40	.10								2.21
Robertsburg||||	do										.07			.52				.34					.04	.19									1.16
Ryan	do	.04							.03	.03			.35	.08			.07	.50	.02	.15				.30									1.57
Sharples||||	Coal River																																.....
Spencer ||||	Great Kanawha		.24							T.								1.32		T.				.46									2.02
Sutton	Gauley	.75	.10						.10				.20	.25			.10	.35						.55									2.40
Union	do		.16											.14				.91						T.									1.21
Wayne ||||	Big Sandy									.05	.02			.30				.63						.23									1.23
White Sulpr. Spgs.||||	Great Kanawha													.30				.75															1.05
Williamson||||	Big Sandy	.10	.19							T.				.40				.55						.45	.04								1.73

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.088	.104	.123	.123	.078	.099	.068	.089	.100	.076	.012	.100	.004	.068	.089	.080	.065	.131	.046	.084	.046	.099	.096	.074	.122	....	....	....	....	....	....	2.064
	Wind movement	12	40	40	48	15	28	21	27	39	28	24	19	27	27	13	9	34	40	28	22	9	28	61	56	122	70	16	44	21	30	21	1,019

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for October, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	80	67	61	65	60	64	70	62	59	52	68	68	78	62	70	73	60	47	62	63	75	73	65	60	58	50	60	56	69	70	68	64.4
	Minimum	46	37	30	32	36	33	28	44	37	38	30	38	51	23	21	24	46	28	22	34	38	43	38	36	31	15	38	37	25	41	39	34.2
Brandywine	Maximum	90	75	72	70	68	70	74	71	68	65	71	79	70	74	75	72	67	65	63	74	76	75	70	72	70	55	67	70	71	76	78	71.4
	Minimum	52	43	35	35	38	28	29	44	29	35	27	40	46	28	27	30	52	31	33	33	38	40	37	44	30	16	24	25	26	36	38	34.5
Kearneysville	Maximum	86	69	65	66	64	68	74	73	61	63	68	78	66	58	66	68	66	58	57	70	64	76	67	55	52	48	59	53	58	75	79	65.5
	Minimum	54	53	41	40	50	40	40	50	38	39	37	43	48	33	31	32	57	40	31	45	42	58	44	42	40	24	25	38	28	35	55	41.1
Martinsburg*	Maximum	90	72	69	67	66	70	72	75	68	65	68	80	63	60	67	70	68	58	60	72	65	80	65	55	50	50	60	54	60	78	..	66.6
	Minimum	53	50	44	43	43	43	40	42	40	44	38	38	45	36	33	35	38	41	32	34	41	48	44	41	41	27	27	36	30	36	36	39.3
McNeill	Maximum	91	71	68	71	69	72	79	72	67	62	74	78	67	64	73	73	67	57	62	73	78	82	69	66	62	56	70	60	74	78	81	70.5
	Minimum	53	43	36	38	41	36	36	49	31	39	33	38	48	29	30	30	50	32	26	28	40	47	42	42	40	18	33	38	26	35	35	36.8
Piedmont	Maximum	86	68	65	68	66	70	71	67	66	58	70	73	60	58	68	70	67	58	58	66	71	72	68	53	58	48	58	57	63	74	76	65.5
	Minimum	53	46	40	41	44	38	38	52	39	39	36	40	49	30	29	35	53	34	28	41	45	50	44	42	38	22	26	42	29	42	45	39.7
Romney*	Maximum	90	72	67	71	69	76	78	72	67	63	74	78	65	63	74	73	66	60	62	70	73	81	70	58	60	53	64	58	66	77	80	69.4
	Minimum	52	44	39	41	44	38	38	51	36	39	34	38	49	34	32	33	54	35	29	39	42	47	43	42	39	19	22	38	36	35	38	38.7
Upper Tract	Maximum	64	64	65	67	..	65	72	70	57	54	66	67	65	62	68	64	61	60	61	67	68	72	70	64	60	52	59	58	64	77	..	64.2
	Minimum	44	42	35	37	..	33	34	32	34	44	34	34	32	32	30	37	53	36	26	38	40	54	59	40	38	19	26	27	36	30	..	36.4
Wardensville*	Maximum	76	67	65	64	69	72	68	63	61	68	75	58	57	..	67	67	65	55	65	74	69	75	65	62	46	48	66	55	66	75	78	65.4
	Minimum	52	37	39	43	36	35	45	33	35	31	37	47	30	30	..	31	54	33	27	39	39	40	43	41	38	20	22	25	26	35	34	35.9
Northern Division																																	
Alpena	Maximum	77	64	60	64	..	64	66	62	54	47	67	65	54	59	69	66	56	50	61	65	70	70	60	58	56	55	58	53	66	66	68	61.7
	Minimum	51	39	32	31	..	42	32	41	35	38	28	43	44	29	26	32	46	30	22	43	39	50	41	39	30	16	28	40	30	44	48	36.3
Bens Run	Maximum	77	70	73	70	68	70	71	65	56	55	73	66	60	63	75	80	64	58	66	62	81	72	60	63	58	60	62	57	74	78	79	67.3
	Minimum	58	51	46	46	50	46	45	45	43	42	42	49	45	35	36	45	50	43	35	51	47	60	44	47	37	29	38	41	36	47	47	44.4
Buckhannon	Maximum	79	65	66	68	61	62	65	67	59	54	65	67	58	60	68	73	63	54	63	66	75	74	67	64	60	56	60	56	69	72	71	64.7
	Minimum	57	48	43	40	47	38	38	45	47	43	36	45	49	32	32	35	52	41	30	43	43	52	42	45	38	25	31	43	35	47	43	41.5
Cairo	Maximum	86	85	72	74	72	74	69	69	56	55	74	75	76	65	75	78	79	65	68	71	80	83	72	64	65	62	62	65	75	80	82	71.9
	Minimum	46	46	46	42	38	38	38	38	35	36	34	42	42	29	29	35	50	38	26	44	40	51	43	43	34	22	30	42	31	41	40	38.4
Clarksburg*	Maximum	83	66	69	73	66	65	71	70	61	52	72	67	59	63	75	79	61	55	68	65	81	75	57	63	48	61	61	54	73	76	77	66.6
	Minimum	53	51	40	37	41	39	40	41	36	41	34	38	47	31	32	33	40	37	29	33	39	44	42	43	38	22	28	37	30	33	44	37.8
Creston	Maximum	75	70	70	75	65	70	69	65	60	62	75	67	60	65	75	75	65	59	70	73	81	76	70	68	60	60	64	59	75	79	82	69.0
	Minimum	54	48	40	39	41	37	37	37	33	37	33	41	47	30	29	36	51	37	27	45	38	46	36	37	33	22	30	42	31	40	40	37.9
Elkins	Maximum	81	60	66	67	56	61	68	65	56	48	69	66	53	59	74	70	58	50	65	66	74	72	58	65	41	56	57	54	70	71	71	62.9
	Minimum	53	43	38	39	39	38	38	44	40	43	34	47	35	33	30	35	37	32	27	46	40	58	41	41	25	20	30	35	30	45	42	38.0
Fairmont	Maximum	83	69	68	73	59	59	65	72	58	52	61	55	55	56	69	71	49	55	69	58	86	75	63	62	46	65	60	58	81	79	78	64.8
	Minimum	51	41	41	49	41	39	40	39	43	39	45	44	34	32	35	35	40	31	34	35	51	41	44	39	24	33	34	32	38	38	44	38.9
Glenville	Maximum	89	73	75	74	68	72	72	70	62	55	75	68	63	65	78	80	67	60	71	75	86	77	63	67	69	64	64	61	76	80	80	70.9
	Minimum	57	53	44	43	47	41	43	44	37	38	36	42	50	34	33	36	53	40	31	48	43	52	44	45	39	24	31	44	33	43	43	41.6
Grafton	Maximum	74	69	73	73	68	70	72	70	61	54	74	73	61	65	79	81	66	58	72	70	84	75	66	65	63	66	64	59	75	78	77	69.5
	Minimum	56	48	42	39	48	41	37	38	38	43	36	42	47	34	33	35	49	38	30	45	44	50	42	44	39	23	29	42	33	44	43	40.4
Lost Creek	Maximum	85	70	70	75	69	70	69	70	61	52	74	70	60	65	79	80	65	59	70	68	84	78	68	64	60	63	62	59	76	79	80	69.5
	Minimum	54	49	36	34	41	36	35	40	35	40	31	41	45	28	26	30	50	35	24	49	36	48	40	41	35	19	28	40	28	41	39	37.2
Mannington	Maximum	77	65	67	67	64	63	67	64	56	53	68	65	61	57	69	76	63	55	63	63	78	72	68	61	59	55	60	56	72	74	74	64.9
	Minimum	55	47	38	38	46	40	37	44	37	41	35	39	42	29	28	33	52	37	29	42	39	47	41	43	37	21	28	41	30	39	40	38.5
Morgantown	Maximum	85	74	75	72	73	71	70	68	62	52	70	69	69	81	82	81	68	68	69	74	73	81	69	59	59	59	60	74	73	75	71	70.5
	Minimum	57	53	54	40	42	43	52	40	42	44	46	41	40	52	53	52	52	39	40	42	42	51	40	43	33	22	40	35	34	50	49	43.8
New Cumberland*	Maximum	74	68	69	68	64	69	70	66	57	57	71	65	56	59	72	76	61	57	62	66	74	66	56	60	45	55	60	51	72	75	78	64.5
	Minimum	48	45	41	42	47	43	44	43	45	45	43	47	39	33	33	34	41	41	31	34	46	52	37	39	39	24	28	37	32	35	44	39.7
New Martinsville	Maximum	79	70	69	72	68	72	70	67	56	65	75	68	68	66	75	79	65	58	64	67	83	76	58	64	60	60	64	61	80	78	78	68.9
	Minimum	58	48	42	43	53	46	43	43	43	42	37	45	43	34	34	38	52	38	33	48	44	47	42	44	39	24	34	40	31	44	45	41.8
Parkersburg	Maximum	79	68	70	72	64	67	68	64	54	55	73	66	59	63	75	78	62	57	68	67	83	69	58	66	48	59	65	54	75	79	81	66.6
	Minimum	57	51	46	46	50	44	40	41	43	44	42	51	42	32	34	49	46	37	32	55	52	44	43	43	33	28	42	41	37	49	48	43.3
Parsons	Maximum	84	77	76	70	74	68	72	68	60	50	72	70	57	62	68	76	61	51	69	70	79	75	63	64	53	58	64	70	72	70	74	67.6
	Minimum	50	48	48	51	45	51	51	46	39	40	35	44	40	35	36	32	38	33	30	43	42	51	41	43	23	13	27	35	31	40	43	39.6
Pickens	Maximum	80	70	68	68	62	63	68	68	60	48	67	65	62	59	74	70	62	52	67	75	73	62	53	..	57	58	62	52	70	70	71	64.5
	Minimum	57	40	34	36	37	33	36	36	33	35	22	47	41	27	32	42	35	35	47	46	54	38	28	..	20	30	31	37	35	44	43	37.0
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wellsburg	Maximum	75	69	71	70	65	70	71	67	56	56	73	70	59	62	75	71	70	58	62	66	80	69	55	61	61	58	61	55	74	76	78	66.6
	Minimum	55	46	35	36	45	42	38	39	44	40	35	44	38	25	27	33	46	36	26	44	42	50	36	35	38	21	30	38	38	39	40	38.2
Weston	Maximum	76	81	80	75	74	71	69	76	75	60	70	69	64	65	75	76	68	66	65	65	80	79	76	65	64	59	62	60	70	72	79	70.5
	Minimum	60	58	52	45	44	40	42	41	42	40	41	42	40	35	32	38	45	38	33	50	42	59	45	42	40	23	38	40	41	42	51	42.6
Wheeling (Dam 12)*	Maximum	78	68	70	70	65	69	69	70	56	56	71	68	57	56	72	78	62	56	64	64	80	68	55	61	46	56	62	68	72	81	73	66.2
	Minimum	50	48	42	42	45	45	42	43	47	16	42	46	42	34	34	36	41	37	32	35	46	37	39	39	40	25	28	39	35	32	45	39.8
Southern Division																																	
Beckley	Maximum	81	79	74	69	60	67	69	64	57	49	69	73	70	64	72	67	62	58	67	75	77	78	74	63	56	55	59	61	70	72	73	67.2
	Minimum	56	44	41	43	38	29	35	33	23	34	29	49	45	25	36	44	48	32	25	47	49	53	40	42	32	22	31	37	38	42	41	38.4
Bluefield	Maximum	84	79	70	71	65	62	61	..	70	55	71	75	59	65	..	70	63	60	63	..	75	..	75	67	52	54	63	65	..	73	76	67.8
	Minimum	59	64	48	45	46	34	36	..	33	40	32	53	48	32	..	38	52	36	26	..	47	..	50	45	34	25	34	41	..	46	44	42.0
Charleston*	Maximum	87	70	72	73	65	74	..	68	60	57	72	72	62		73	74	63	63	70	72	..	81	59	66	51	59	67	..	73	76	76	68.7
	Minimum		54	49	50	51	44	44	..	40	41	42	43	53	40	..	41	49	45	36	37	48	..	45	46	39	30	31	41	..	41	50	45.5
Gary*	Maximum	89	73	75	70	63	70	73	67	59	55	75	77	60	67	78	72	65	63	71	78	81	80	56	69	49	53	63	67	74	77	78	69.3
	Minimum	54	54	46	45	50	39	40	42	34	36	34	36	50	37	35	39	42	38	31	32	42	43	51	45	39	26	27	34	37	44	44	40.2
Hinton*	Maximum	87	78	79	77	68	74	78	72	67	57	82	78	64	71	78	63	69	62	70	82	80	82	55	71	54	61	66	69	78	79	80	72.0
	Minimum	56	53	47	43	47	42	43	44	36	38	37	37	50	39	35	37	41	41	34	35	45	47	52	48	39	27	27	30	37	38	45	41.0
Huntington	Maximum	85	74	75	78	69	70	70	63	57	62	78	70	69	73	78	75	68	65	72	76	86	78	61	67	64	63	63	61	79	82	83	71.4
	Minimum	62	48	48	49	48	43	43	44	40	42	39	51	50	38	38	48	55	44	33	54	46	58	43	50	38	29	38	44	37	37	47	44.6
Lewisburg	Maximum	80	80	81	83	84	..	..	..	..	65	55	69	78	78	79	77	70	74	62	75	68	66	58	52	45	55	65	67	74	77	78	70.2
	Minimum	42	42	39	45	43	..	..	..	..	46	37	31	36	36	37	63	28	37	27	34	49	57	39	38	35	22	26	39	34	36	46	38.7
Madison	Maximum	87	72	76	76	68	70	70	65	60	58	74	76	63	66	74	74	66	60	72	76	88	80	58	69	52	63	63	64	75	79	80	70.1
	Minimum	51	47	47	50	41	43	43	36	38	35	38	50	39	34	40	46	41	33	35	44	45	42	43	36	26	28	38	35	43	45	46	40.6
Marlinton	Maximum	76	64	62	68	62	64	60	70	52	48	60	68	54	56	62	58	56	50	54	68	66	68	56	54	54	46	56	58	66	66	68	60.3
	Minimum	48	42	36	44	34	30	34	34	26	34	28	36	38	28	26	26	42	32	22	32	38	54	44	42	22	14	16	34	24	32	36	33.2
Point Pleasant	Maximum	87	73	75	75	75	73	70	65	56	60	76	73	63	66	79	75	67	63	70	71	85	84	65	67	62	63	65	60	78	82	82	71.1
	Minimum	57	43	40	43	45	41	39	40	37	39	37	45	44	30	31	44	49	39	28	49	44	56	41	43	35	25	35	40	33	43	41	40.5
Rainelle	Maximum	83	66	70	66	62	68	71	65	57	48	71	71	57	63	69	62	61	57	63	73	75	74	60	59	57	51	60	61	71	72	75	65.1
	Minimum	43	42	40	40	41	31	35	38	30	32	30	38	47	30	26	34	48	32	23	36	37	40	43	43	33	19	23	40	28	35	37	35.3
Ravenswood	Maximum	84	71	74	74	73	70	70	66	56	59	75	74	65	70	76	77	69	63	70	71	83	81	68	66	64	60	64	64	77	80	80	70.8
	Minimum	59	46	42	45	42	41	37	38	36	40	39	46	45	40	32	48	48	39	29	30	46	60	43	46	38	25	39	41	34	46	43	41.4
Richwood	Maximum	82	70	69	68	66	69	73	72	62	52	70	72	67	63	70	64	61	58	64	71	75	73	75	60	61	55	61	62	70	74	73	67.2
	Minimum	57	47	41	44	45	34	37	39	34	38	32	42	47	32	33	46	49	36	27	44	46	58	42	42	35	24	30	42	34	40	38	39.8
Robertsburg*	Maximum	86	78	68	71	67	70	65	71	67	57	60	71	60	50	71	68	66	52	64	63	68	66	65	80	50	50	48	47	75	62	65	64.5
	Minimum	58	48	41	43	42	38	38	36	35	43	36	40	46	31	32	34	51	44	28	40	43	52	42	44	37	22	30	42	32	40	40	39.6
Ryan	Maximum	80	75	75	75	75	70	75	65	65	54	75	65	65	65	75	80	65	60	60	65	85	80	75	75	58	55	65	60	78	80	80	70.2
	Minimum	51	51	35	39	39	31	31	30	27	31	28	38	44	26	26	38	42	35	24	34	36	48	39	42	31	20	31	38	29	38	37	35.1
Spencer*	Maximum	85	70	71	75	68	68	70	69	62	61	74	72	67	65	72	75	65	61	70	73	83	77	60	67	50	62	64	60	77	80	80	69.5
	Minimum	51	49	43	44	43	38	36	38	35	35	35	35	35	31	32	36	54	40	29	35	45	61	43	47	36	26	40	44	34	43	43	39.9
Sutton	Maximum	85	68	70	71	71	68	69	69	60	54	75	75	61	63	75	75	64	64	69	70	81	81	76	69	69	61	61	60	73	75	75	69.6
	Minimum	56	54	45	42	46	39	41	43	36	39	32	41	50	37	33	35	53	39	30	47	41	55	43	40	39	24	29	43	34	44	43	41.1
Union	Maximum	..	74	74	71	71	72	73	..	58	53	71	77	77	62	..	61	63	63	62	75	75	..	53	63	48	50	63	64	..	73	74	66.2
	Minimum	..	52	59	35	41	27	33		25	32	25	43	51	27	..	29	50	31	24	34	43	..	50	40	34	20	28	37	..	36	35	36.2
White Sulphur Spgs*	Maximum	80	72	68	66	63	68	66	62	61	52	67	70	63	63	65	60	66	60	60	70	72	71	61	60	52	50	65	65	66	73	..	64.6
	Minimum	51	49	38	35	42	34	38	37	28	32	31	40	52	32	30	29	43	34	23	32	38	54	51	45	37	21	21	32	29	33	31	36.2
Williamson*	Maximum	86	72	75	76	65	68	69	63	57	60	73	77	61	64	74	76	66	60	71	75	82	78	57	68	51	61	62	63	74	77	76	68.9
	Minimum	57	52	51	52	52	43	44	45	37	40	38	40	53	40	35	37	50	42	37	37	47	48	45	45	40	31	32	38	40	41	50	43.2

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 11-22-33—900)

1.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

JAN 17 1934

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

R. P. POWELL

Vol. XLI Parkersburg, W. Va., November, 1933 No. 11

GENERAL SUMMARY

November was marked by frequent and decided changes in temperature and heavy snowfall. The first two days of the month were exceptionally warm, the highest temperatures of November record were noted at a number of stations. From the 15th to the 17th, a severe cold spell covered the State with temperature readings near or slightly below the record for so early in the season. A low reading of 5 degrees below zero was recorded at Alpena on the 17th. The precipitation was deficient in all sections, and fell mostly during the first half of the month. The first general snow of the season occurred on the 8th, the amounts being moderately heavy in the mountain districts. The average snowfall for the month, 6.6 inches, was the second heaviest of November State record. The month was unfavorable for out-door work. During the cold weather, wheat was well protected by snow cover and at the close of the month was mostly in good condition. A dust storm prevailed throughout the State on the morning of the 13th.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 41.4° or 1.8° below the normal. The temperature was much above the average from the 1st to the 3d, 20th to the 22d, and from the 28th to the close of the month. Unusually cold weather prevailed from the 8th to the 10th, and from the 14th to the 17th, with the lowest temperatures occurring generally on the 17th. The highest monthly mean was 45.6° at Huntington, and the lowest, 35.3° at Marlinton. The highest temperature was 88° at Robertsburg on the 1st, and the lowest was 5° below zero at Alpena on the 17th, making the monthly range for the State 93°.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 1.98 inches, which was 0.77 inch less than the normal. The precipitation was somewhat heavy over the north-central counties and mountain districts, and unusually light in the eastern sections and Ohio River counties. Most of the precipitation was measured on the 5-8th, 14-15th, 22-23d, and 26-27th, the greatest amounts being noted on the 5-8th, and 14th. The heaviest monthly snowfall in inches was as follows: Alpena, 24.5; Davis, 34.5; Pickens, 28.5; Thomas, 20.0, and Stony River Dam, 24.0. The greatest monthly precipitation was 5.98 inches at Pickens, and the least, 0.52 inch at Upper Tract. The greatest amount in any 24 consecutive hours was 2.00 inches at Sharples on the 6th. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 6th; Charleston, 1st and 25th; Bens Run, 1st; Elkins, 1st; Hinton, 1st, 18th, 20th, 25th, 26th, 28th, and 29th; Huntington, 18th; Marlinton, 1st; New Cumberland, 1st and 2d; Pickens, 4th, 6th, 7th, 13th, 18th, 23d, and 30th; Williamson, 1st, 19th, and 25th.

Halos, lunar: Elkins and Parkersburg, 1st.

Sleet: Elkins and Parkersburg, 7th; Bens Run, 9th; Bens Run, Marlinton, Martinsburg, Morgantown, McNeill, Romney, and Wellsburg, 26th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.08	30.60	16	29.48	14	9.6	26	nw.	26	81	61	62	50
Columbus, Ohio	30.04	30.59	16	29.43	14	13.4	40	nw.	26	80	66	65	36
Elkins	30.09	30.70	16	29.47	14	8.1	28	nw.	14	79	64	73	29
Parkersburg	30.09	30.66	16	29.45	14	7.7	28	nw.	14	78	59	67	30
Pittsburgh, Pa	30.03	30.63	16	29.36	14	10.4	32	w.	26	75	64	67	26
Wytheville, Va	30.07	30.59	16	29.52	14	8.9	28	w.	23	74	54	65	50

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	42.5	−0.7	80	8	3.04	+0.29	......	......	......	8	....	....	....
1892	41.7	−1.5	81	3	3.10	+0.35	......	....	......	...	....	....	....
1893	41.4	−1.8	74	3	2.12	−0.63	3.22	0.47	.. ...	8	13	6	11
1894	39.8	−3.4	82	5	2.11	−0.64	3.47	0.25	......	8	12	6	12
1895	44.6	+1.4	87	12	2.35	−0.40	4.00	0.20	......	9	12	8	10
1896	48.1	+4.9	80	10	3.50	+0.75	5.07	1.56	.....	8	10	8	12
1897	45.0	+1.8	76	13	4.45	+1.70	7.15	0.30	.....	13	9	9	12
1898	41.4	−1.8	75	− 3	2.84	+0.09	4.74	1.00	......	10	9	11	10
1899	45 6	+2.4	76	14	1.93	−0.82	3.49	0.20	T.	8	11	9	10
1900	45.5	+2.3	86	9	5.20	+2.45	8.88	2.71	2.8	10	8	8	14
1901	38.0	−5.2	79	7	2.51	−0.24	5.35	1.23	4.3	7	8	6	16
1902	50.3	+7.1	83	12	3.27	+0.52	4.56	1.23	0.7	7	11	6	13
1903	38.0	−5.2	80	− 4	2.46	−0.29	4.98	0.67	4 6	9	11	8	11
1904	41.2	−2.0	75	9	**0.64**	−2.11	3.05	0.07	1.4	4	12	7	11
1905	41.8	−1.4	74	10	2.44	−0.31	5.67	0.67	T	9	13	7	10
1906	44.2	+1.0	84	13	2.39	−0.36	5.50	0.35	2.2	6	15	5	10
1907	41.8	−1.4	74	13	3.40	+0.65	7.05	1.41	1.0	9	10	8	12
1908	43 3	+0.1	81	0	1.14	−1.61	2.73	0 48	5.2	5	15	8	7
1909	49.1	+5.9	84	12	1.34	−1.41	3.85	0.23	0.2	7	14	7	9
1910	**37.3**	−5.9	75	5	1.95	−0.80	4.41	0.66	1 8	9	8	7	15
1911	40.5	−2.7	83	7	2.74	−0.01	5.54	1.27	2.0	8	10	7	13
1912	42.8	−0.4	78	2	1.69	−1.06	4.08	0.40	0.9	6	14	7	9
1913	44.5	+1.3	82	− 1	4.49	+1.74	7.50	0.61	13.4	10	12	5	13
1914	42.6	−0.6	84	2	1.32	−1.43	2.27	0.50	2.9	5	16	6	8
1915	45.2	+2.0	85	11	3.06	+0 31	5.99	1.15	1.1	9	13	8	9
1916	43.8	+0.6	81	8	1.77	−0.98	3.07	0.75	0.3	6	16	5	9
1917	39.6	−3.6	78	0	0.89	−1.86	3.65	**0.05**	1 5	10	16	4	10
1918	42.9	−0.3	79	12	1.89	−0.86	4.60	0.64	0.2	6	13	5	12
1919	44.4	+1.2	80	10	4.51	+1.76	7.53	0.85	0.3	10	12	6	12
1920	41.6	−1.6	80	5	3.21	+0.46	5.69	1.47	4.1	10	9	4	17
1921	46.1	+2.9	85	11	**5.99**	+3.24	8.81	2.52	0.8	13	7	6	17
1922	43.8	+0.6	80	2	1.15	−1.60	2.49	0.17	1.3	6	12	4	14
1923	42.3	−0.9	73	10	3.49	+0.74	5.35	1.70	0.7	11	13	3	14
1924	42.9	−0.3	87	9	2.05	−0.70	4.11	0.45	4.1	9	10	6	14
1925	40.6	−2.6	78	6	3.66	+0.91	6.62	0.65	0.9	9	11	5	14
1926	40.7	−2.5	82	4	3.59	+0.84	6.67	1.59	0.6	9	10	5	15
1927	48.1	+4.9	82	7	4.35	+1.60	7.61	0.91	1.6	12	7	7	16
1928	44.0	+0.8	81	9	3.31	+0.56	**9.41**	0.65	2.9	12	6	6	18
1929	42.9	−0.3	83	− 9	4.52	+1.77	8.10	1.74	3.6	13	7	5	18
1930	42.3	−0.9	80	**−14**	1.42	−1.33	4.45	0.46	4.8	9	11	6	13
1931	**51.3**	+8.1	**88**	11	1.81	−0.94	2.96	0.25	0.2	9	13	6	11
1932	40.9	−2.3	85	0	3.34	+0.59	6.27	0.89	0.2	8	13	5	12
1933	41.4	−1.8	**88**	− 5	1.98	−0.77	5.98	0.52	6.6	11	9	6	15
Period	43.2	......	88	−14	2.75	....	9.41	0.05	2.3	9	11	6	13

Climatological Data for November, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	36.8	−2.0	74	2	−3	17	47	2.50	−0.81	0.62	13.0	13	7	3	20	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	41.0	−0.8	78	1	6	17	42	1.10	−0.81	0.55	4.0	5	13	1	16	sw.	Elmer Keister
Circleville	Pendleton		1								1.88		0.47	2.4	8					Moses R. Bennett
Harpers Ferry	Jefferson	244	44								0.61	−1.64	0.50		3					J. C. Newcomer
Kearneysville	Jefferson	548	3	42.9		73	1	11	17	39	0.84		0.66	T.	5	10	12	8	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	^{a}41.6	−1.5	76^{a}	1	13	17	42^{a}	0.79	−1.48	0.47	T.	6	20	9	1	nw.	Dr. H. S. Gardner
McNeill	Hardy	900	37	42.1	−1.9	81	1	4	17	49	1.13	−0.50	0.56	T.	4	5	5	20	w.	John W. McNeill
Piedmont	Mineral	1,053	20	40.0	−1.9	76	1	7	17	35	1.35	−0.72	0.64	3.5	11	9	8	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	41.6	−1.4	81	1	7	17	43	1.02	−0.84	0.40	0.5	9	5	8	17		Miss Betty B. Harminson
Stony River Dam	Grant	3,300	13								3.18	+0.09	0.78	24.0	12	5	1	24	w.	A. C. Becker
Upper Tract^{g}	Pendleton	1,230	34	39.4	−4.4	75	2	7	17	41	0.52	−0.98	0.25		3					Mrs. J. M. Mallow
Wardensville	Hardy	1,200	12	^{a}40.7		79^{a}	2	6^{a}	17	38^{a}	0.59	−1.04	0.48	T.	4	9	16	5		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9								1.92		0.65	7.4	14	5	11	14	w.	L. Else Bond
Alma (near)	Tyler	800	6								2.00		0.80	4.0	12	7	5	18		D. N. Furbee
Alpena	Randolph	2,571	3	35.9		73	2	−5	17	48	3.83		0.64	24.5	12	7	9	14	w.	Christian Hertig
Benson	Harrison	1,080	9	42.1		78	1	−1	16	43	2.10		0.64	3.5	12	8	9	13		R. D. Marts
Bens Run	Pleasants	652	31	42.2	−1.6	80	2	10	16	34	2.09	−0.81	0.86	3.5	11	17	3	10		Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	42.4		78	2	3	16†	42	3.32		0.90	6.0	16	11	8	11		George M. Meyers
Bruceton Mills	Preston	1,549	16								3.26	+0.08	1.35	6.5	9	8^{a}	5^{a}	16^{a}	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	41.9	0.0	75	2	5	17	37	3.48	−0.01	0.80	7.0	8	9	9	12		H. A. Darnall
Cairo	Ritchie	680	32	43.0	−0.4	81	1†	2	16	43	2.01	−0.83	0.77	4.0	10	9	5	16		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	40.3	−2.0	80	2	2	16†	46	2.06	−1.14	0.90	4.2	10	6	8	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	10								2.87		1.61	5.8	15	7	6	17	nw.	George W. Blair
Creston	Wirt	640	31	41.6	−2.4	80	2	8	17	44	2.11	−0.68	0.80	4.0	10	6	2	22		P. M. Basnett
Dam 10 Mon. R.	Marion	826	12								2.09	−0.98	0.93		13					Lockmaster
Dam 13 O. R.	Ohio	655	17								1.89	−0.92	0.85	3.8	14					Lockmaster
Dam 15 Mon. R.	Monongalia	882	12								1.72	−1.44	0.89	3.0	12					Lockmaster
Davis	Tucker	3,093	24								4.14	+0.82	1.01	34.5	17					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	21								2.04	−0.83	0.85	5.5	10					Lockmaster
Elkins	Randolph	1,947	32	39.2	−1.1	75	2	−2	17	53	3.17	+0.39	1.05	9.6	18	3	6	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	40.8	−1.8	84	2	7	16	39	2.32	−0.56	0.90	10.0	12	9	7	14	s.	J. C. Robinson
Glenville	Gilmer	738	39	44.7	+0.7	81	1†	6	17	44	2.72	−0.49	0.61	4.5	14	4	5	21	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	42.8	0.0	83	2	5	17	43	2.12	−0.87	1.05	3.5	7	8	2	20		W. E. Clayton
Horner††	Lewis	1,044	10								3.55		0.70		11					Foster R. Hardman
Horton	Randolph	2,840	8								2.11		0.60	17.0	9	8	8	14	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	42.3		78	1	3	17	40	2.06		0.71	3.5	8	14	2	14	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	41.7	−0.7	80	1†	−1	16†	45	1.98	−0.84	0.90	6.0	13	10	3	17	w.	Allen Smith
Mannington	Marion	985	30	40.4	−1.3	77	2	−2	16	41	2.49	−0.45	0.76	7.0	17	7	6	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	42.2	−1.4	80	1	7	16	41	2.33	−0.58	0.62	7.0	11	7	8	15	sw.	Bruce Davis
New Cumberland	Hancock	671	35	39.4	−2.0	79	2	7	16	35	1.67	−0.61	0.80	5.3	15	9	4	17	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	42.4	−2.2	83	2	7	17	38	1.60	−1.28	0.74	3.5	8	6	7	17	n.	Wm. Ankrom
Parkersburg	Wood	638	46	42.7	−1.1	82	2	11	16	38	1.56	−1.01	0.60	6.0	12	6	8	16	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	33	^{e}42.2	+1.0	78^{e}	2	0^{e}	17	50^{e}	1.47	−1.49	0.40	10.5	9	4	2	24		J. W. Swisher
Parsons No. 2	Tucker	1,649	7								2.99	+0.03	0.87	12.5	18	11	3	16		Robert T. Deem
Philippi	Barbour	1,550	36								2.41	−0.64	0.60	10.0	14					H. F. Brittinham
Pickens	Randolph	2,697	30	37.5	−2.7	76	2	−1	17	45	5.98	+1.73	0.78	28.5	18	9	4	17	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10								1.93		0.77	4.9	15	4	3	23		Miss Mary A. Conrad
Rowlesburg ††	Preston	1,375	46								2.95	−0.29	1.18		17					Walter H. Bolyard
Saint Marys	Pleasants	577	24								1.91	−1.10	0.83	2.5	14					Wm. Hughes
Terra Alta	Preston	2,559	32																	Okey Alkire
Thomas	Tucker	2,950	4								3.31		1.25	20.0	12					H. L. Stiles
Valley Chapel	Lewis	1,011	10	41.2		78	2	4	16	41	2.84		0.60	4.2	13	10	1	19	w.	J. C. Campbell
Vandalia	Lewis	1,120	10								2.97		0.91	9.0	9					James B. Kelley
Wellsburg	Brooke	668	26	40.0	−1.6	79	2	3	16	41	1.83	−0.69	0.51	4.5	11	6	8	16	w.	George P. Pfister
West Milford	Harrison	979	8								1.90		0.60		7					Miss Dicie E. Wagner
Weston	Lewis	1,026	38	44.6	+0.8	80	2	5	17	43	2.17	−1.11	0.64	...	15	2	11	17		A. Henry
Wheeling (Dam 12)	Ohio	659	46	39.6	−2.5	78	1†	10	17	38	1.58	−1.01	0.74	6.0	14	3	9	18		Lockmaster
Woodlands	Marshall	637	6								1.39		0.60	3.2	17	7	7	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7								1.74		0.65	9.5	11	8	5	17	w.	H. S. Sutton
Bancroft	Putnam	574	29	44.5	0.0	84	2	13	16	42	1.00	−1.68	0.39		6	11	1	18	w.	Charles N. Long
Beckley	Raleigh	2,440	30	41.0	−1.9	75	1	7	17	43	2.28	−0.11	0.69	2.7	17	10	8	12		L. A. Mauck
Bluefield ^{f}	Mercer	2,558	38	43.4	−1.3	76	1†	15	17	37	1.45	−0.86	0.33	1.0	10	5	9	10		Norfolk & Western Ry.
Charleston	Kanawha	600	30	^{e}43.1	−4.6	78^{e}	1	18^{d}	16†	35^{c}	1.48	−1.83	0.46	0.5	6	11	0	19		Mrs. Edith A. Bodimer
Clay	Clay	706	17								2.92	−0.25	0.67	5.2	13					Chilton Wilson
Dam 6 G. K	Kanawha	598	6								1.32		0.48		8					Lockmaster
Dam 19 O. R.	Wood	600	17								1.53	−1.91	0.62		12					Lockmaster
Dam 20 O. R.	Wood	600	17								1.09	−2.17	0.52		9					Lockmaster
Dam 25 O. R.	Mason	565	6								1.17		0.40		10					Lockmaster
Dam 26 O. R.	Mason	564	17								0.89	−1.87	0.47		5					U. S. Engineers Office
Durbin	Pocahontas	2,724	1								1.82		0.62	16.0	7					Mrs. D. R. Gandinees
Gary	McDowell	1,426	17	43.0	−1.3	80	2	13	17	45	1.41	−1.61	0.45		10					U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	43.0	−0.8	80	1	13	17	39	1.42	−0.92	0.61	0.5	10	15	6	9		Mrs. M. L. McClung
Huntington	Cabell	538	36	45.6	−1.7	81	2	16	16†	38	1.61	−1.20	0.52	T.	14	8	5	17	w.	H. N. Robinson
Kanawha Falls	Fayette	618	14								0.63	−2.78	0.31	1.0	4					J. O. Brown
Kayford	Kanawha	1,335	17								1.49	−2.10	0.46	6.0	10					Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	3								1.85		0.65		4					Claud J Wriston
Lewisburg	Greenbrier	2,250	33	41.1	−0.6	78	1†	7	17	38	1.35	−1.11	0.42	3.0	6	8	8	14		Rose Argabrite
Logan	Logan	700	30								1.57	−1.53	0.50		9					J. R. Wampler
Madison	Boone	675	12	42.0	−1.8	81	2	14	15†	40	1.88	−0.94	0.54	0.2	9	17	8	5		W. E. Holy
Marlinton	Pocahontas	2,131	34	35.3	−2.2	68	1†	−4	17	38	2.20	−0.85	0.69	8.0	11	8	10	12	nw.	S. L. Brown
Point Pleasant	Mason	595	40	43.1	−2.2	81	1†	9	17	42	1.66	−1.28	0.46	0.6	12	8	9	13	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	37.6		73	1†	−2	17	46	3.02		0.62	17.0	18	13	1	16		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	43.3	−1.9	81	1†	14	16	37	1.15	−1.79	0.58	1.0	8	10	2	18	ne.	Lockmaster
Richwood	Nicholas	2,193	3	40.2		76	2	6	17	42	2.79		0.85	13.5	17	10	1	19	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	42.6	−0.8	88	1	10	17	44	1.59	−1.02	0.72	1.0	8	12	0	18		M. Frazier
Ryan	Roane	700	30	39.6	−3.6	83	1	7	17	43	1.51	−1.31	0.53	3.9	14	8	4	18		Wm E. Ryan
Sharples	Logan	889	13								2.20	−1.27	2.00		2					R. W. Howard
Spencer	Roane	789	29	41.8	−2.0	85	1	12	17	43	1.65	−1.03	0.58	3.0	11	5	4	21		A. M. McKown
Sutton	Braxton	850	27	43.2	−0.6	78	1†	8	17	41	2.98	−0.53	0.90	8.0	10	20	0	10		C. B. Eakle
Union ^{d}††	Monroe	2,250	29	40.8	−1.4	74	1	4	17	45	0.75	−1.61	0.71	0.5	2	11	6	10		W. M. H. Young
Wayne	Wayne	598	6								1.36		0.39		6					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	^{a}38.2	−3.8	74^{a}	2	2	17	43^{a}	1.45	−0.89	0.60	0.5	6	19	3	8		A. P. Spence
Williamson	Mingo	673	33	44.2	−1.3	79	2	18	17	41	1.45	−1.48	0.54	T.	11	7	10	13	se.	J. E. Dotson
State averages and	extremes			41.4	−1.8	88	1	−5	17	53	1.98	−0.77	2.00	6.6	11	9	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1933

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac			.02		.62	.55		.11		.03	.18		.18	.24	.23			.09								.08	.14			.03		2.50
Brandywine	do			T.		.55			T.		T.			T.	.25								.05				.05	.20					1.10
Circleville	do				T.		.47		.12		.13				.27	.47			.11				.17		T			.14					1.88
Harpers Ferry ||||	do						.50		.03						.08								T.					T.					0.61
Kearneysville	do					.28	.38					.05		.04	T.				T.				.09				T						0.84
Martinsburg ||||	do						.47	.05	.05	T.		T.	T.		T.	T.			.05				.15					.02					0.79
McNeill	do			T.		.42	T.	T.	T.	T.	T.	T.		.56	T.	T.			T.	T.			.10	T.			.05						1.13
Piedmont	do			T.		.64	.24	.01	.03	T.	.04	.02		.03	.16	T.	T.		.03	.08					.07		T.						1.35
Romney||||	do					.40	.20	.29		.01				.01		.05			.01				.01				.04						1.02
Stony River Dam	do					.02	.78		.24	.08	.18	.18	.18		.08	.40	.32		.40									.32					3.18
Upper Tract	do			T.			.25		T.		T.					.24	T.	T.										.03					0.52
Wardensville||||	do				T.		.48		T.				.03				T.						.06					T.	.02				0.59
Northern Division																																	
Aberdeen	Monongahela			T	.02	.65	.01	.05	.08	T	.02			.14	.32	.06	T.		.06				.02	.04	T.		.19	.26					1.92
Alma (near)	Ohio					.80	.09	.15	.02					.06	.27	.02			.07			.06		.04			.32	.10					2.00
Alpena	Monongahela			T.		.64	.33	.08	.12	.18	.32			.33	.50	.50				T.			.41				.18	.24					3.83
Benson	do					.64	.25	.05	.12	.03				.20	.15	.08			.05					.25			.18	.10					2.10
Bens Run	Ohio			T.		.86	.10	.10		.03				.06	.26							.30	.02	.03			.16	.17					2.09
Brownsville	Monongahela				.02	.84	.15	.05	.13	.02	.02		.20	.20	.25	.07			.90				.04	.05			.10	.28					3.32
Bruceton Mills	do			T.		1.35	.36		T.		T.	T.		.24	.20	.24		.25	.30	T.		T.		T.	.15		.17						3.26
Buckhannon	do			.10		.80	.22	.08	T.	T.		T.		.38	.80	T.						T.		.80			T.	.30			T.		3.48
Cairo	Little Kanawha					.77	.08	.04	.18					.10	.23	.09							.20	.05				.27					2.01
Clarksburg||||	Monongahela					.12	.90		.14						.12	.14	.02		.14				.14		.04			.30					2.06
Crawford||||	do			.09		1.01	.07	.15	.08			T.	.03	.28	.30	.14			.14				.22	.11			.21	.02			.02		2.87
Creston||||	Little Kanawha					.07	.80		.24					.12	.14	.06							.26		.05		.06	.31	T.				2.11
Dam 10, Mon. R.||||	Monongahela				.04	.09	.93	.03	.11	T.	T.		.06		.19	.21			.14		.03		.07		.03			.16					2.09
Dam 13, O. R.||||	Ohio				.05		.85	.05	.08	.05	.02			.06	.10	.05	T.				.01		.15	.02	T.		.15	.25					1.89
Dam 15, Mon. R ||||	Monongahela					.15	.89	.04	.12	T.	T.		.02		.14	.05	.01		.09				.08		.04			.09					1.72
Davis ||||	do					.10	1.01	.20	.15	.16	.33	.10	.10		.06	.29	.09		.64	.09	.10		.25		.10			.37					4.14
Elizabeth (D'm 3 LK)	Little Kanawha						.85		.18					.13	.15	.05			.10				.32		.10		.02	.14					2.04
Elkins***	Monongahela			.03	T.	1.04	.06	.10	.01	.10	.02	.07		.17	.43	.11	T.	.05	.15	.01		T.	.19	.03			.56	.04			T.		3.17
Fairmont||||	do			T.	.17	.90	.03	.08	T.	.04				.25	.18	.04		.27	T.			.11		.06			.19				T.		2.32
Glenville ||||	Little Kanawha				.08	.22	.61		.22	T.	.04	.03	.10	T.	.30	.18	.22		.29				.16		.09			.18					2.72
Grafton ||||	Monongahela					1.05	.05		T.	.12				T.	.30				T.	T.				.30			.25				.05		2.12
Horner	do					.50	.25	.35	.70	.20		.15									.40		.30				.20	.15	.35				3.55
Horton	do			T.		.60			.08		.16		.10	.16	.40	.20							.28					.13					2.11
Janelew (near)	do					.71	.10	.20						.10	.40									.20			.25	.10					2.06
Lost Creek	do			T.		.64	.26	.04	.06	.03	.04		T.	.12	.27	T.			.07			T.	.20	.04			.13	.08			T.		1.98
Mannington	do			T.		.76	.26	.05	.08	.05	.04	.01		.11	.44	.03	.01		.19	T.		.01	.13	.04			.20	.08			T.		2.49
Morgantown	do		T.	T.		.62	.40	T	T.	.18	.08	T.	.15	T.	.20	T.		T.	.29	T.		.10	.10	.11			.10						2.33
New Cumberland||||	Ohio				.01		.80	.01	.02	.07	.02	T.	.03	.22	.10	.02	T.		.02	.01	.05	T.	.19	T.				.10					1.67
New Martinsville	do					.74	.15		.10	T.	T.				.20	T.			.08					.08			.20	.05					1.60
Parkersburg***	do		T.	T.	.06	.54	.04	.08	T.	T.	T.	T.		.05	.21	.13		.02	.03			.08		.03			.29				T.		1.56
Parsons	Monongahela			T.		.40	T.		.12	.02		T.		T.	.30	.15	.02					.09		T.			.29	.08					1.47
Parsons No. 2	do			.01		.87	.29	.10	.12	.02	.14		.02	.13	.27	.15	.02		.27	.02			.16	.03			.29	.08			T		2.99
Philippi	do					.27	.60	.02	.04	02	.20				.40	.15	.05		.18				.10		.06			.30			.02		2.41
Pickens	do			.53	.05	.75	.27	.10	.14	.26	.20			.32	.70	.50	.08		.78	.04			.53	.08			.55	.10					5.98
Roanoke	do				.01	.77	.14	.02	01		.01			.24	.13	.02			.09				.11	.04	T.		.28	.02			.04		1.93
Rowlesburg||||	do					.12	1.18	.05	.18		.09	.04	.03		.36	.21	.02		.13	.02	.03		.04		.02			.38			.05		2.95
Saint Marys||||	Ohio				T.	.11	.83	.03	.12	.02	T.		.11	.13		.03	.08		.08				.05	T.	.03		.02	.27					1.91
Terra Alta	Monongahela																																
Thomas ||||	do						1.25	.04	.22	09	.25	.02			.33	.32	.08		.24				.20					.27					3.31
Valley Chapel	do			T.	T.	.60	.20	.04	.08	.06	T.	T.	T.	.20	.25	.30			.19				.38	.06	T.		.25	.23					2.84
Vandalia	do				.91		.18	.11						.36	.50				.38				.28	07			.18						2.97
Wellsburg	Ohio			.40		.51	.13	.05	T.	.06		T.		.27	.11		T.			.04		T.	.02	T.			.04	.20			T.		1.83
West Milford	Monongahela					.60	.30	.10							.05				.60				.10					.15					1.90
Weston	do				.08	.35	.64	.05	.10		.06		.06	.21		.12	.04		.19				.07		.07		.04	.09					2.17
Wheeling (Dam 12)||||	Ohio				.02	T.	74	.03	.05	.04	.02	T.	T.	.08	.24	.05	T.		T.		.02		.09	.01	.02			.17					1.58
Woodlands||||	do				.08	.08	.60	.02	.02	.02	.02		.01	.02	.10	.08	.02		.02		.01		.15	T	.01		T.	.13					1.39
Southern Division																																	
Arbovale	Great Kanawha					.65		T.	.07	.02	.12			.10	.50	T.	T.		.05	T.			.08	T.			.06	.08			.01		1.74
Bancroft ||||	do				.08	.39		T.	T.					.13		.15							.10					.15					1.00
Beckley	do			.29	.04	.69	.07	.04	.03	T.	.04	T.		.15	.04	T.			.23			.06	.17	.12	.06		.12	.08			.05		2.28
Bluefield	do			.21			.33	.05						.17		.09			.08			.01	.25	.17				.09					1.45
Charleston ||||	do					.46	.35		T.					.20	.05	T.							.32				T.	.10					1.48
Clay||||	do				T.	.32	.63	.02	.13		T.			.25	.12	.16	.02		.18				.67		.12		.16	.14					2.92
Dam 6 G. K ||||	do						.28		.05						.15	.09			.04				.48		.13			.10					1.32
Dam 19 O. R. ||||	Ohio				T.	.18	.62	T.	.08	T.	.25			.07	.03	.01	.02		.07				.09	T	.03		T.	.08					1.53
Dam 20 O. R. ||||	do					.14	.52	T.	.10	T.	T.			.06	.02	.01			.04				.10	T.				.10					1.09
Dam 25 O. R. ||||	do						.40		.18						.05	.05	.02		.02				.19	.02	.12			.12					1.17
Dam 26 O. R. ||||	do					.14	.47							.06					.12								T.	.10					0.89
Durbin	Great Kanawha						.62	.05	.08		.14				.48	.20												.25					1.82
Gary ||||	Big Sandy				.35		.45	.02	.05			.02		.03		.14			.12				.13						.10				1.41
Hinton||||	do				.31		.61		.03		.03	T.			.12	.11	T		.07				.07		.02			.05					1.42
Huntington	Ohio			.04	.30	.52	.03	.01	.01		T.			.10	.17	T.			.02			.01	.20	.12			.06	T.			.02		1.61
Kanawha Falls||||	Great Kanawha								.06					.01	.31													.25					0.63
Kayford||||	do				T.		.46	.06	.11		T.				.23	.17			.08				.07		.02		.02	.27					1.49
Kingston	do					.40							.60									.65									.20		1.85
Lewisburg	do			T.		.14	.42	.21	T.		T.					.18			.32					T			T.	.08					1.35
Logan||||	Guyandotte				.02	.20	.50	T.					.05	.15					.15				.20		.10			.20					1.57
Madison	Great Kanawha				.39	.54	T.	.06					.30		.02							.37	T.	.04		T.	.09				.07		1.88
Marlinton	do			.20	T.	.69	.06	.04	T.	T.	T.	T.	.08	.14	.35	.20							.12				.28	.04	T.				2.20
Point Pleasant||||	Ohio				T.	.24	.46		.14					.10	.08	.08			.04				.14	.02	.20		.02	.14					1.66
Rainelle	Meadow Creek			.07	.06	.62	.12	.06	.09	.03	.10			.19	.35	.37			.20			.01	.15	.06			.17	.34			.03		3.02
Ravenswood (Dam 22	Ohio||||					.10	.58	T.	.10	.04					.05				.08					T.	.10		T.	.10					1.15
Richwood	Great Kanawha			.02		.60	.25	.12	.03	.01	.04			.28	.29	.28	.02		.18				.12	.04			.26	.17			.08		2.79
Robertsburg||||	do					.43	.72		.07					.10	,07	T.			.04				.11		T.			.05					1.59
Ryan	do			.08		.53	.06		.01	.01	.03			.10	.14	.06			.06				.20	.02			.16	.05					1.51
Sharples||||	Coal River						2.00													T.				T.				T.			.20		2.20
Spencer ||||	Great Kanawha			.07			.58		T.	.07	T.		T.	.05	.08	.08			.23				.16		T.		.15	.08	.10				1.65
Sutton	Gauley					.90			.15					.30	.24	.24			.45					.10	.20		.25				.15		2.98
Union	do				T		.71								T.	.04							T.	T.				T					0.75
Wayne ||||	Big Sandy					.29	.31							.20		.02							.39		.15								1.36
White Sulpr. Spgs.||||	Great Kanawha				.15		.60								.40	.05	T.		.10				.15										1.45
Williamson||||	Big Sandy			T.	.15	.08	.54		.02		T.			.21	T.	.10			.05				.12		.05		.01	.12					1.45

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	73	74	62	52	48	42	37	33	35	31	46	47	49	35	25	25	44	49	35	51	65	60	43	36	55	49	30	54	60	60	....	46.8
	Minimum	35	39	47	33	28	32	33	21	15	19	19	29	30	21	10	6	−3	32	28	31	23	40	26	29	30	28	18	29	28	50	....	26.9
Brandywine	Maximum	78	76	72	65	60	57	55	38	40	40	54	55	53	42	30	27	42	52	47	60	65	64	58	54	55	42	44	64	65	67	....	54.0
	Minimum	38	42	52	40	35	36	28	26	16	24	19	29	28	26	13	11	6	27	25	26	23	42	30	21	22	22	24	32	26	43	....	27.9
Kearneysville	Maximum	73	72	71	65	47	42	45	43	46	44	54	47	51	47	36	28	40	49	47	58	59	61	54	45	53	51	40	64	61	71	....	52.1
	Minimum	46	47	48	37	33	31	40	33	24	29	22	36	36	30	20	13	11	35	37	38	38	48	35	26	31	34	26	25	54	49	....	33.7
Martinsburg*	Maximum	76	75	70	55	40	45	47	40	47	40	55	50	50	40	32	30	46	50	46	60	60	62	50	47	54	53	65	65	68	..	....	52.3
	Minimum	44	49	49	39	33	32	33	33	26	30	26	30	35	30	20	17	13	17	37	36	30	30	40	30	30	27	27	27	26	29	....	30.8
McNeill	Maximum	81	79	75	61	47	45	45	43	45	41	56	57	52	45	35	29	53	51	47	62	62	65	54	49	62	54	46	66	72	70	....	55.0
	Minimum	40	42	43	40	35	34	34	30	17	28	20	35	34	30	18	14	4	35	37	27	22	42	37	23	20	30	28	22	27	27	....	29.2
Piedmont	Maximum	76	75	65	58	49	42	42	41	41	34	49	49	44	39	29	23	42	46	41	55	52	59	52	42	55	49	35	51	65	66	....	48.9
	Minimum	45	49	52	33	31	32	39	30	21	26	21	25	34	28	17	14	7	32	35	32	28	49	34	31	31	26	25	27	33	44	....	31.0
Romney	Maximum	81	79	71	65	53	48	45	43	44	39	54	56	48	43	36	28	50	51	46	61	55	63	57	46	60	53	41	64	66	70	....	53.9
	Minimum	42	46	50	32	32	32	40	31	20	18	24	37	33	30	18	15	7	29	30	24	24	39	32	26	28	23	27	22	29	40	....	29.3
Upper Tract	Maximum	73	75	70	..	49	44	..	52	32	32	52		..	..	40	24	48	45	42	49	62	..	..	42	42	40	40	46	67	68	....	49.3
	Minimum	35	46	55	..	34	33	..	30	26	25	25	..	..	.	15	13	7	33	33	36	25	..	..	23	24	29	28	30	38	35	....	29.5
Wardensville*	Maximum	78	79	74	77	60	37	46	43	34	47	36	54	54	55	43	35	32	48	..	47	59	67	64	51	45	56	53	55	64	66	....	53.8
	Minimum	40	44	48	40	35	31	36	20	20	26	22	30	36	29	18	12	6	15	..	30	23	31	30	23	22	26	25	21	26	34	....	27.6
Northern Division																																	
Alpena	Maximum	72	73	64	53	45	43	34	31	35	31	45	45	46	30	25	17	43	49	35	51	61	57	44	34	54	49	30	51	60	60	....	45.6
	Minimum	37	43	50	41	33	33	30	20	15	12	20	29	28	19	9	6	−5	33	27	31	27	42	28	28	26	25	13	27	27	33	....	26.2
Bens Run	Maximum	76	80	64	53	52	47	42	38	44	37	54	51	55	36	30	26	45	48	43	57	67	59	47	42	56	52	38	58	65	64	....	50.9
	Minimum	49	55	47	38	41	39	37	30	30	23	30	32	35	27	19	10	11	39	33	32	34	42	31	32	30	30	29	33	34	54	....	33.5
Buckhannon	Maximum	74	75	70	56	54	49	41	38	40	34	50	50	57	40	26	24	42	50	41	54	69	64	50	40	55	50	34	55	63	61	....	50.2
	Minimum	44	52	55	46	43	40	37	28	26	24	26	36	40	25	18	9	5	38	34	33	33	44	37	33	30	32	26	30	33	50	....	33.6
Cairo	Maximum	81	81	81	58	55	49	42	41	44	45	53	52	56	40	29	31	45	50	45	61	71	69	56	41	58	62	59	60	63	69	....	54.9
	Minimum	42	50	52	36	43	38	39	29	25	26	29	32	35	28	19	2	3	37	34	25	28	35	28	32	25	32	28	27	29	43	....	31.0
Clarksburg*	Maximum	79	80	67	60	49	43	40	49	41	33	53	55	49	49	29	25	48	48	44	57	71	55	40	42	58	52	46	58	66	61	...	51.2
	Minimum	42	45	51	40	39	40	38	29	24	25	26	36	36	26	17	2	2	7	32	30	26	30	28	31	28	30	26	28	29	36	....	29.4
Creston	Maximum	78	80	70	55	52	46	43	40	44	38	54	51	47	40	30	29	52	51	45	60	69	60	45	48	57	48	42	60	68	65	....	52.2
	Minimum	41	51	52	40	44	38	38	29	25	25	29	30	31	26	20	9	8	38	33	[illegible]	27	33	28	32	26	28	28	29	28	40	....	31.0
Elkins	Maximum	75	75	66	58	47	46	38	34	38	28	50	52	50	31	21	21	51	50	46	54	67	57	39	38	58	50	47	57	66	66	....	49.2
	Minimum	42	47	47	41	42	36	33	23	23	22	24	33	27	21	13	2	−2	33	31	31	28	34	30	32	30	24	24	33	30	46	....	29.3
Fairmont	Maximum	82	84	65	67	48	42	41	39	40	33	54	55	53	53	28	26	46	46	41	62	73	57	46	43	64	49	49	63	66	61	....	52.6
	Minimum	45	45	38	38	39	39	28	25	26	25	26	31	26	16	8	7	10	10	33	31	41	32	34	32	38	25	27	27	39	29	....	29.0
Glenville	Maximum	82	82	72	60	57	55	44	41	44	48	53	55	52	48	55	31	47	51	45	63	73	68	52	43	59	52	42	62	70	67	....	55.8
	Minimum	44	50	53	43	42	39	39	30	25	27	33	36	39	36	20	8	6	40	35	27	29	44	30	33	27	32	28	32	29	50	....	33.6
Grafton	Maximum	81	83	70	64	55	57	44	39	41	36	52	52	53	38	30	29	48	51	41	59	72	66	49	40	60	53	37	61	69	65	...	53.1
	Minimum	44	50	52	39	38	39	37	28	24	26	25	36	36	25	17	8	5	38	33	34	31	44	29	33	29	30	25	28	31	57	. ..	32.4
Lost Creek	Maximum	80	80	75	55	53	50	40	39	40	34	50	64	54	37	30	28	41	49	42	60	72	66	50	44	59	66	37	59	69	64	....	53.0
	Minimum	40	46	51	38	39	38	36	26	21	28	21	34	36	24	15	−1	−1	40	32	30	27	35	25	27	26	30	25	30	37	56	....	30.4
Mannington	Maximum	75	77	67	54	52	48	41	39	42	34	50	52	54	37	29	24	42	46	40	54	67	65	48	41	54	51	37	57	62	64	....	50.1
	Minimum	43	48	50	35	38	39	38	29	29	26	21	35	35	26	13	−2	1	34	34	28	27	40	28	34	28	25	25	31	27	52	....	30.7
Morgantown	Maximum	80	76	76	54	50	47	47	41	41	42	49	51	47	55	54	32	32	46	46	69	70	70	68	60	61	56	32	36	67	65	....	54.0
	Minimum	50	48	48	33	34	36	35	26	27	25	21	32	15	24	13	7	15	28	33	35	35	35	31	35	36	29	22	30	36	35	....	30.3
New Cumberland*	Maximum	77	79	55	54	40	42	42	35	40	35	44	55	45	45	22	23	44	43	42	52	64	45	42	41	54	49	47	56	64	62	....	48.1
	Minimum	47	48	50	32	34	33	38	30	28	27	24	35	35	26	15	7	13	16	32	32	29	51	37	32	33	36	24	23	32	42	....	30.7
New Martinsville	Maximum	82	83	73	59	52	47	44	39	40	35	51	50	56	38	50	25	45	48	42	60	68	57	45	48	58	52	40	62	66	65	....	52.0
	Minimum	44	50	52	35	39	38	40	29	27	27	28	35	35	27	18	8	7	39	33	31	30	42	30	31	30	32	25	34	30	55	....	32.7
Parkersburg	Maximum	76	82	69	54	48	47	43	38	45	38	56	56	58	39	26	27	51	50	46	61	69	51	39	43	56	53	45	62	69	64	....	52.0
	Minimum	49	55	43	37	42	39	34	29	28	27	31	35	32	26	18	11	13	38	34	37	36	36	33	31	28	30	29	40	37	43	....	33.4
Parsons	Maximum	76	78	62	62	52	46	..	..	40	..	52	52	48	40	24	25	50	51	41	55	70	60	57	43	61	..	..	59	67	65	....	53.4
	Minimum	44	46	49	47	40	37	..	..	20	..	19	35	30	24	14	4	0	35	32	33	27	40	31	32	29	..	..	25	25	53	....	31.0
Pickens	Maximum	74	76	66	60	52	45	35	33	35	37	42	50	48	38	28	23	44	47	47	54	65	55	35	34	54	44	35	50	59	58	....	47.4
	Minimum	44	57	50	42	40	32	20	20	15	16	18	37	25	19	12	4	−1	25	27	27	32	35	28	27	25	22	18	32	32	49	....	27.6
Terra Alta	Maximum	..	..	..	..	..	..	..		..	..	..	..	..	..	.	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	...
	Minimum	..	..	..	..	.	..	..	..		..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wellsburg	Maximum	78	79	65	54	45	42	42	38	43	36	48	51	55	35	28	28	42	45	39	51	67	60	45	41	53	51	36	57	65	64	....	49.4
	Minimum	43	46	50	28	34	34	38	32	29	27	19	35	34	25	14	3	5	34	33	28	26	39	36	32	26	30	24	33	26	54	....	30.6
Weston	Maximum	78	80	78	64	54	46	45	40	42	40	50	52	50	41	34	30	48	49	48	62	70	69	59	44	60	59	40	65	64	62	....	54.2
	Minimum	48	42	50	42	40	42	36	29	34	25	30	38	40	28	20	7	5	36	38	38	40	39	40	36	31	34	28	33	45	58	....	35.1
Wheeling (Dam 12)*	Maximum	78	78	58	53	42	44	42	36	42	35	51	55	52	35	26	24	45	46	47	55	66	48	39	41	55	51	45	57	69	69	....	49.5
	Minimum	47	49	30	33	33	36	35	31	29	27	25	31	28	26	15	11	10	14	33	34	30	33	33	32	32	34	25	28	31	36	....	29.7
Southern Division																																	
Beckley	Maximum	75	74	66	58	50	46	46	35	42	35	51	55	50	51	31	29	50	48	[illegible]	60	67	59	50	41	56	49	47	57	65	58	....	51.6
	Minimum	45	53	49	45	37	36	32	22	23	18	26	30	28	21	16	12	7	36	27	30	35	44	28	29	21	26	21	32	30	48	....	30.3
Bluefield	Maximum	76	76	70	..	..	58	41	37	46	43	49	..	57	37	40	31	52	49	..	62	65	61	57	47	57	..	55	59	67	..	....	54.1
	Minimum	49	57	56		..	38	33	21	26	19	28	..	35	24	18	17	15	39	..	31	42	45	35	32	27	..	25	37	32	..	....	32.7
Charleston*	Maximum	78	77	66	..	51	45	44	43	44	42	.	49	49	42	36	29	52	..	52	60	70	54	45	45	..	54	49	58	69	..	....	52.2
	Minimum	51	51	57	48	..	43	42	31	32	26	26	..	33	30	27	18	18	18	.	32	32	[illegible]	35	36	32	..	31	31	37	38	....	34.0
Gary*	Maximum	78	80	61	63	55	47	45	39	49	38	55	58	55	45	31	31	56	53	53	63	72	61	50	46	62	51	49	63	71	65	....	55.0
	Minimum	44	48	49	55	43	45	39	30	24	24	24	32	31	29	23	22	13	14	27	25	27	31	33	33	28	28	29	26	27	29	....	31.1
Hinton*	Maximum	80	77	61	60	55	47	44	42	50	42	58	65	48	40	30	34	52	53	54	67	65	60	46	45	61	45	49	64	65	64	....	54.3
	Minimum	47	49	50	55	45	43	40	29	25	25	25	33	32	29	23	20	13	14	31	28	25	31	36	38	27	29	25	26	27	29	....	31.8
Huntington	Maximum	79	81	71	53	52	50	47	46	46	42	59	58	52	41	30	36	54	55	53	67	70	65	49	47	59	40	48	63	72	65	....	55.0
	Minimum	50	55	53	44	46	41	42	30	35	24	34	29	35	29	23	16	16	44	33	30	34	42	35	38	28	34	31	41	35	59	....	36.2
Lewisburg	Maximum	78	78	65	59	46	48	46	47	45	41	58	60	53	39	41	36	45	48	50	57	61	60	57	47	56	47	44	58	63	64	....	53.2
	Minimum	46	46	50	46	43	36	36	25	21	22	23	27	28	24	18	14	7	27	28	25	28	34	35	34	24	23	24	24	25	27	....	29.0
Madison	Maximum	79	81	67	52	52	45	43	43	47	38	59	58	48	42	30	34	52	55	49	61	71	59	42	46	56	51	47	60	68	64	....	53.3
	Minimum	49	50	47	46	42	40	29	27	25	25	28	33	28	22	14	15	15	28	26	27	31	32	34	28	28	29	30	31	33	34	....	30.8
Marlinton	Maximum	68	68	60	54	56	48	38	34	36	32	46	46	40	32	22	20	34	44	38	54	56	54	48	38	48	34	36	54	56	52	....	44.9
	Minimum	34	44	46	42	42	38	32	18	16	18	18	28	22	22	14	8	−4	26	26	22	22	48	28	24	28	18	20	22	20	30	....	25.7
Point Pleasant	Maximum	81	81	75	55	52	48	44	43	46	40	55	56	55	40	32	31	50	52	52	65	65	57	48	45	56	55	45	60	69	68	....	54.5
	Minimum	44	51	52	38	42	37	38	26	29	21	29	24	32	25	20	13	9	40	30	23	31	37	30	31	24	32	27	32	30	53	....	31.7
Rainelle	Maximum	73	73	65	59	48	42	38	35	38	33	48	55	45	32	28	27	44	48	44	59	61	61	49	38	55	43	40	57	46	58	....	48.1
	Minimum	40	46	49	46	38	37	32	22	18	18	23	30	26	22	16	8	−2	23	25	24	25	43	29	31	24	24	21	22	24	31	....	27.2
Ravenswood	Maximum	81	81	76	55	53	51	44	43	46	46	56	57	58	35	34	30	35	42	50	62	68	69	50	52	54	55	43	50	67	67	....	53.7
	Minimum	45	54	54	40	44	38	40	30	29	25	32	28	35	27	22	14	20	23	34	25	33	35	31	30	25	34	30	33	32	43	....	32.9
Richwood	Maximum	75	76	73	61	53	42	42	36	41	34	51	53	42	35	30	24	48	48	47	58	65	62	49	46	56	55	38	54	58	62	...	50.5
	Minimum	40	41	53	47	46	36	34	24	21	19	25	31	32	24	15	8	6	34	31	36	30	45	32	31	27	27	22	23	30	28	....	29.9
Robertsburg*	Maximum	88	65	66	62	49	48	47	44	52	41	65	64	49	58	34	32	50	58	56	60	58	55	42	41	52	48	47	61	61	64	....	54.7
	Minimum	44	47	57	41	41	39	38	27	26	22	24	23	32	26	20	12	10	25	29	25	30	33	37	31	23	25	28	28	31	37	....	30.4
Ryan	Maximum	83	80	60	60	48	43	40	60	45	37	55	55	52	35	27	27	45	46	42	60	65	62	65	40	55	40	37	60	65	60	....	51.6
	Minimum	40	48	48	39	41	35	35	25	21	21	27	22	30	22	17	8	7	33	28	19	24	35	28	30	19	30	24	24	25	26	....	27.7
Spencer*	Maximum	85	77	53	53	50	41	42	42	45	39	51	56	47	39	25	32	53	53	48	63	70	52	39	49	58	47	48	62	70	59	....	51.6
	Minimum	47	41	32	42	40	40	39	30	28	25	28	31	35	27	22	13	12	32	34	28	27	41	32	32	26	38	29	32	40	40	....	32.1
Sutton	Maximum	78	78	77	60	54	50	45	42	43	43	55	55	52	40	33	27	49	50	50	57	68	68	54	43	60	60	41	58	65	65	....	54.0
	Minimum	43	41	51	54	43	44	40	28	24	25	30	34	36	27	21	16	8	40	35	26	29	45	30	19	27	31	26	28	29	43	....	32.4
Union	Maximum	74	73	72	60	..	42	42	40	47	45	51	..	46	40	36	28	49	50	..	60	65	65	61	45	55	..	42	60	64	64	....	52.9
	Minimum	43	48	43	46	..	38	35	23	20	19	24	..	27	22	17	14	4	37	..	27	27	45	34	31	21	..	21	28	22	28	....	28.6
White Sulphur Spgs*	Maximum	72	74	69	59	47	47	45	40	37	34	50	52	43	33	30	27	45	50	45	54	62	59	48	42	54	37	45	53	62	..	....	48.8
	Minimum	39	43	47	52	39	39	37	23	19	21	24	32	23	25	20	15	2	14	31	24	24	31	33	30	23	22	22	23	22	32	....	27.7
Williamson*	Maximum	76	79	62	56	54	48	44	45	49	40	49	58	49	47	33	47	53	57	53	63	70	60	44	48	58	50	47	62	69	58	....	54.3
	Minimum	50	53	54	51	48	44	43	31	30	24	25	31	32	32	25	22	18	20	30	29	29	34	37	39	33	33	31	31	31	35	....	34.2

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-27-33—900)

51.05
JWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

R. P. POWELL

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JUN 28 1934

Vol. XLI   Parkersburg, W. Va., December, 1933   No. 12

GENERAL SUMMARY

December was considerably warmer and somewhat wetter than usual, with about the normal amount of sunshine. Although the precipitation was in excess, the snowfall was below the normal. The month was characterized by long periods of moderately warm weather, the highest and lowest temperatures being well within previous December records. A severe cold wave covered the State on the 27th and 28th, with temperature readings near or somewhat below zero in practically all sections. Heavy rains fell generally in the central and northern counties on the the 16-17th, being unusually heavy over the Little Kanawha Valley. Small streams were at a bankful stage on the 20th and 21st. On the 13th, light rain froze as it fell, and streets, roads, and exposed objects were covered by an ice-coating, making travel difficult and dangerous. The ice-coating was not heavy enough to damage fruit and shade trees, or telephone and telegraph wires. The weather conditions were generally favorable for winter grains and outdoor work. Stock remained in the open practically the entire month. Moderately heavy hail fell at Parkersburg on the 20th; the stones were about the size of a pea, and caused no damage.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 38.7° or 4.0° above the normal. The temperature was decidedly above the normal from the 3d to the 6th, 15th to the 24th, and on the 31st, with the highest readings occurring generally on the 5th, 17th, and 24th. The coldest weather prevailed from the 10th to the 14th, and from the 26th to the 30th, the lowest temperature being noted on the 27th and 28th. The highest monthly mean was 43.8° at Williamson, and the lowest, 33.6° at Marlinton. The highest temperature was 78° at Charleston on the 17th, and the lowest was 5° below zero at Cairo, Lost Creek, and Mannington, on the 27th, and Bayard on the 28th.

PRECIPITATION

The average precipitation for the State, determined from 92 stations, was 4.10 inches, which was 0.74 inch more than the normal. The greater portion of the precipitation was received on the 3d-6th, 11th, 15-20th, and 25-27th, the greatest amounts being measured on the 16th, 17th, and 20th. Most of the snowfall was received on the 9th, 10th, 26th, and 27th. The greatest monthly precipitation was 6.15 inches at Sutton, and the least was 0.87 inch at Upper Tract. The greatest amount in any 24 consecutive hours was 1.87 inches at Bruceton Mills on the 17th. The greatest monthly snowfall was 15.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 5th and 15th; Elkins, 1st; Grafton, 5th, 7th, and 8th; Hinton, 5th, 8th, 17th, 18th, 22d, and 23d; Huntington, 2d, 13th, 16th, 18th, 19th, 28th, and 31st; Kearneysville, 17th and 20th; Lewisburg, 4th; Marlinton, 3d, 5th, 15th, 16th, and 20th; New Cumberland, 3d and 24th; Pickens, 5th, 9th, and 10th; Wellsburg, 5th; Williamson, 17th and 20th.

MISCELLANEOUS PHENOMENA (Continued)

Halos, lunar: Elkins and Parsons, 1st; Parkersburg, 2d.

Sleet: Glenville, 5th; Bens Run, Brownsville, Bruceton Mills, Crawford, Grafton, Lost Creek, Martinsburg, Morgantown, Roanoke, and Valley Chapel, 13th; Bruceton Mills, Cairo, Creston, Davis, and Lost Creek, 14th; Beckley, 26th.

Thunderstorms: Williamson, 6th; New Cumberland and Wellsburg, 4th and 15th; Roanoke and Wellsburg, 16th; Bancroft, Roanoke, and Ryan, 20th; Bens Run, Fairmont, Morgantown, New Cumberland, and Parkersburg, 24th; Alma, Mannington, and Wellsburg, 25th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.14	30.80	29	29.61	3	8.6	24	nw.	24	83	70	74	39
Columbus, Ohio	30.14	30.84	29	29.68	10	11.6	37	w.	10	82	72	75	30
Elkins	30.18	30.86	29	29.70	11	6.8	32	w.	20	83	64	73	38
Parkersburg	30.18	30.91	29	29.70	3	6.8	26	nw.	24	80	66	73	28
Pittsburgh, Pa	30.15	30.94	29	29.58	11	10.8	38	nw.	11	80	70	69	30
Wytheville, Va	30.14	30.66	29	29.71	6	7.7	27	nw.	26	79	60	70	44

COMPARATIVE DATA FOR DECEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	40.9	+ 6.2	75	6	3.27	−0.09	......	......	......	....	....	....	....
1892	34.1	− 0.6	72	−10	2.91	−0.45	......	......	......	8	....	....	....
1893	37.1	+ 2.4	76	7	2.05	−1.31	3.73	0.56	......	9	10	8	13
1894	36.3	+ 1.6	80	−29	4.04	+0.68	6.56	1.71	......	9	11	7	13
1895	36.9	+ 2.2	72	− 6	2.87	−0.49	4.14	1.85	7.1	9	8	9	14
1896	35.3	+ 0.6	67	2	1.68	− 1.68	2.88	0.57	......	6	12	9	10
1897	37.3	+ 2.6	72	− 4	4.00	+0.64	6.79	2.05	......	13	6	9	16
1898	33.4	− 1.3	69	−12	2.66	−0.70	4.23	0.71	7.0	10	12	8	11
1899	33.3	− 1.4	77	−17	2.81	−0.55	4.46	1.22	3.9	10	11	8	12
1900	34.6	− 0.1	66	3	2.26	−1.10	3.45	1.32	1.0	7	11	7	13
1901	32.3	− 2.4	75	− 9	**5.84**	+2.48	8.97	3.57	3.8	11	7	8	16
1902	33.9	− 0.8	70	− 2	5.33	+1.97	9.95	2.01	9.4	14	5	7	19
1903	26.5	− 8.2	59	−11	2.00	−1.36	4.43	**0.30**	7.8	8	12	8	11
1904	32.8	− 1.9	71	−20	3.12	−0.24	5.91	1.63	9.8	10	8	7	16
1905	35.6	+ 0.9	70	3	3.11	−0.25	5.24	1.30	3.4	9	11	6	14
1906	35.9	+ 1.2	70	− 1	4.73	+1.37	**11.15**	1.83	6.2	14	5	6	20
1907	35.5	+ 0.8	70	− 2	3.36	0.00	9.31	0.70	5.2	12	9	8	14
1908	36.4	+ 1.7	73	5	3.03	−0.33	7.36	1.06	6.0	10	9	8	14
1909	28.8	− 5.9	78	−10	2.55	−0.81	6.00	1.16	10.9	10	9	8	14
1910	28.4	− 6.3	72	− 8	2.72	−0.64	6.90	1.00	14.6	12	7	7	17
1911	39.3	+ 4.6	74	4	3.27	−0.09	5.58	1.25	1.6	12	9	5	17
1912	35.8	+ 1.1	76	− 6	2.88	−0.48	5.55	1.45	7.1	10	12	7	12
1913	36.4	+ 1.7	68	3	2.82	−0.54	3.81	1.10	2.9	8	9	8	14
1914	30.3	− 4.4	70	−20	5.46	+2.10	8.04	2.58	12.5	16	7	4	20
1915	32.8	− 1.9	68	0	4.35	+0.99	7.19	1.35	7.6	11	5	7	19
1916	32.8	− 1.9	77	−18	3.33	−0.03	6.38	0.85	10.6	10	13	7	11
1917	**24.3**	−10.4	67	−37	1.51	−1.85	3.32	0.47	11.8	8	11	6	14
1918	41.0	+ 6.3	74	0	4.41	+1.05	8.14	2.70	3.2	12	8	6	17
1919	30.4	− 4.3	72	−15	4.07	+0.71	7.35	1.17	7.8	9	10	6	15
1920	35.6	+ 0.9	70	0	2.55	−0.81	5.13	1.32	3.7	10	6	7	18
1921	37.0	+ 2.3	79	0	4.25	+0.89	7.51	1.11	7.5	11	7	7	17
1922	36.6	+ 1.9	75	2	4.71	+1.35	7.27	1.03	3.6	11	10	5	16
1923	**43.1**	+ 8.4	78	0	5.82	+2.46	10.96	1.00	2.4	14	11	5	15
1924	33.1	− 1.6	83	− 8	2.58	−0.78	5.69	0.58	1.7	10	10	6	15
1925	32.5	− 2.2	75	− 8	**1.20**	−2.16	3.42	0.38	2.7	7	10	6	15
1926	33.9	− 0.8	72	−14	5.10	+1.74	10.57	1.65	2.5	15	6	4	21
1927	34.4	− 0.3	78	− 6	3.72	+0.36	6.78	0.42	3.8	12	9	5	17
1928	35.4	+ 0.7	70	1	2.08	−1.28	5.50	0.50	0.9	7	13	5	13
1929	36.6	+ 1.9	73	−13	2.51	−0.85	5.59	0.59	12.2	12	9	5	17
1930	30.9	− 3.8	66	−14	2.81	−0.55	6.59	0.76	8.6	12	7	5	19
1931	42.0	+ 7.3	75	8	3.91	+0.55	6.10	1.35	0.3	13	8	4	19
1932	36.0	+ 1.3	82	−12	2.83	−0.53	4.30	1.09	6.9	12	9	6	16
1933	38.7	+ 4.0	78	− 5	4.10	+0.74	6.15	0.87	5.3	12	9	7	15
Period	34.7	......	83	−37	3.36	....	11.15	0.30	6.0	10	9	7	15

Climatological Data for December, 1933

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	35.9	+6.2	66	17	−5	28	38	3.38	−0.98	1.09	7.5	8	12	5	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	17	39.2	+5.7	70	17	1	12	46	1.60	−0.17	0.60	5.0	7	20	2	9	n.	Elmer Keister
Circleville	Pendleton	......	1	......	......	......	......	......	......	...	2.63	......	0.69	10.4	9	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	44	......	......	......	......	......	......	...	1.43	−1.08	0.40	7.0	8	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	3	35.6	......	68	24	4	28†	38	1.78	......	0.62	6.5	7	9	7	15	nw.	F. J. Schneiderhan
Martinsburg	Berkeley	435	41	[a]35.8	+4.2	68[a]	23	5	29†	32[a]	2.30	−0.40	0.75	9.0	12	24	6	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	37	36.9	+2.7	74	24	0	28	45	1.75	−0.35	0.54	7.5	7	7	4	20	w.	John W. McNeill
Piedmont	Mineral	1,053	20	34.6	+2.1	67	24	−2	30	34	3.63	+1.36	1.06	10.0	8	10	7	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	35	36.3	+3.3	71	24	−1	28	42	2.21	−0.09	0.55	8.0	11	9	5	17	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	13	......	......	......	......	......	......	...	3.18	−0.16	0.59	9.0	10	2	8	21	w.	A. C. Becker
Upper Tract[g]	Pendleton	1,230	34	34.6	+0.9	65	23	5	30	43	0.87	−0.93	0.26	......	5	......	......	......	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	12	[b]35.9	......	69[b]	24	2[b]	28	48[c]	1.32	−0.24	0.40	4.0	9	7	11	13	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	9	......	......	......	......	......	......	...	5.01	......	1.12	5.4	12	9	9	13	w.	L. Else Bond
Alma (near)	Tyler	800	6	......	......	......	......	......	......	...	4.04	......	1.00	7.7	16	10	3	18	......	D. N. Furbee
Alpena	Randolph	2,571	3	35.6	......	64	17	−2	12	37	4.57	......	1.09	8.0	16	10	8	13	w.	Christian Hertig
Benson	Harrison	1,080	9	39.6	......	70	17†	−2	27	39	4.22	......	1.00	4.0	12	13	5	13	......	R. D. Marts
Bens Run	Pleasants	652	31	38.2	+3.8	66	17†	1	29†	42	4.35	+0.73	1.10	9.5	14	14	6	11	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	10	40.7	......	71	17	1	27	40	4.82	......	1.26	3.0	14	10	10	11	......	George M. Meyers
Bruceton Mills	Preston	1,549	16	......	......	......	......	......	......	...	5.38	+2.19	1.87	6.0	9	7	11	13	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	36	39.4	+5.6	68	18	5	27	33	5.10	+1.02	1.34	3.0	8	12	5	14	......	H. A. Darnall
Cairo	Ritchie	680	32	39.4	+5.0	72	24	−5	27	43	4.46	+0.72	1.65	6.4	10	12	2	17	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	11	37.2	+2.6	68	17	2	27	40	4.04	+0.99	1.23	6.0	13	8	5	18	w.	Clarksburg Water Board
Crawford	Lewis	1,107	10	......	......	......	......	......	......	...	5.32	......	1.53	1.5	13	9	11	11	nw.	George W. Blair
Creston	Wirt	640	31	39.2	+4.1	71	17	0	27	38	5.17	+1.74	1.55	3.0	13	6	3	22	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	12	......	......	......	......	......	......	...	3.59	+0.16	0.71	3.0	15	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	17	......	......	......	......	......	......	...	4.31	+1.46	0.92	7.5	12	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	12	......	......	......	......	......	......	...	3.78	+0.60	0.57	4.0	18	......	......	......	......	Lockmaster
Davis	Tucker	3,093	24	......	......	......	......	......	......	...	5.56	+0.61	0.87	9.4	16	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	21	......	......	......	......	......	......	...	4.81	+1.57	1.17	7.0	15	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	32	38.2	+5.5	69	17	2	27	38	4.51	+1.05	1.40	6.5	14	3	6	22	w.	U. S. Weather Bureau
Fairmont	Marion	883	27	38.5	+4.9	72	5	3	27†	43	3.92	+0.54	0.67	7.5	15	7	9	15	s.	J. C. Robinson
Glenville	Gilmer	738	39	41.4	+5.8	73	17	0	27	41	5.10	+1.35	1.45	3.0	17	10	11	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	40	39.5	+5.7	70	17†	4	27	40	4.77	+1.34	1.20	4.0	12	10	1	20	......	W. E. Clayton
Horner	Lewis	1,041	10	......	......	......	......	......	......	...	5.20	......	1.25	......	16	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	8	......	......	......	......	......	......	...	2.82	......	0.75	6.5	8	9	8	14	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	10	39.2	......	68	15†	1	27	35	4.80	......	1.33	4.2	11	17	0	14	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	35	38.0	+3.8	69	17	−5	27	41	4.36	+0.84	1.04	5.5	11	10	1	29	w.	Allen Smith
Mannington	Marion	985	30	37.2	+3.9	67	17	−5	27	36	4.14	+0.63	0.71	8.2	18	8	5	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	40	38.2	+4.1	67	5†	−1	27	36	3.72	+0.58	1.20	3.0	11	9	10	12	sw.	Bruce Davis
New Cumberland	Hancock	671	35	33.9	+2.5	64	5†	1	27†	41	2.94	−0.19	0.75	6.0	12	10	1	20	s.	C. H. Hesse
New Martinsville	Wetzel	634	39	38.1	+3.0	66	5†	0	27	41	4.40	+0.89	1.08	3.5	10	8	4	19	s.	Wm. Ankrom
Parkersburg	Wood	638	46	38.8	+3.6	69	17	1	27	34	5.60	+0.57	1.23	5.1	13	8	4	19	nw.	U. S. Weather Bureau
Parsons [a]	Tucker	1,649	33	39.0	+6.9	69	5	3	27†	35	2.80	−1.23	0.80	4.5	9	5	7	18	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	7	......	......	......	......	......	......	...	4.79	+0.76	0.91	3.8	12	13	10	8	......	Robert T. Deem
Philippi	Barbour	1,550	36	......	......	......	......	......	......	...	4.77	+0.96	0.92	0.8	12	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	30	37.2	+5.3	65	15	−2	27	39	6.12	+0.64	1.58	15.0	13	5	13	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	10	......	......	......	......	......	......	...	4.81	......	1.40	7.2	12	9	5	17	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	46	......	......	......	......	......	......	...	5.33	+1.34	1.19	7.0	17	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	24	......	......	......	......	......	......	...	3.80	+0.28	0.80	5.0	15	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	32	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Okey Alkire
Thomas	Tucker	2,950	4	......	......	......	......	......	......	...	4.60	......	0.75	8.0	15	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	10	40.2	......	70	17†	−2	27	41	5.28	......	1.12	6.0	14	11	5	15	w.	J. C. Campbell
Vandalia	Lewis	1,120	10	......	......	......	......	......	......	...	4.63	......	1.43	4.0	10	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	26	36.0	+4.1	64	5†	−1	28	37	4.03	+0.98	1.00	6.0	10	7	9	15	......	George P. Pfister
West Milford	Harrison	979	8	......	......	......	......	......	......	...	3.43	......	1.18	......	6	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	38	40.8	+5.2	70	5	3	27	41	4.88	+1.15	1.21	4.0	14	1	13	17	......	A. Henry
Wheeling (Dam 12)	Ohio	659	46	34.6	+2.3	63	17	1	27	42	3.97	+0.96	1.03	8.0	11	6	1	24	......	Lockmaster
Woodlands	Marshall	637	6	......	......	......	......	......	......	...	4.10	......	1.03	4.5	14	8	7	16	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	7	......	......	......	......	......	......	...	3.12	......	1.30	9.0	7	10	8	13	w.	H. S. Sutton
Bancroft	Putnam	574	29	42.8	+7.6	75	17	1	27	38	3.87	+0.34	1.00	0.5	9	6	0	25	se.	Charles N. Long
Beckley	Raleigh	2,440	30	41.1	+7.4	68	17	3	27	34	4.92	+1.71	1.10	1.7	19	8	7	16	......	L. A. Mauck
Bluefield [g]	Mercer	2,558	38	43.2	+6.7	67	4	8	27	36	2.55	−0.41	1.05	0.5	12	7	7	10	......	Norfolk & Western Ry.
Charleston	Kanawha	600	30	[f]40.6	+1.2	78[f]	17	8[e]	28	42[j]	3.77	+0.36	0.85	......	11	12	0	9	......	Mrs. Edith A. Bodimer
Clay	Clay	706	17	......	......	......	......	......	......	...	3.77	−0.05	0.96	2.3	16	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	6	......	......	......	......	......	......	...	4.11	......	0.98	......	14	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	17	......	......	......	......	......	......	...	3.64	+0.38	0.91	...	13	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	17	......	......	......	......	......	......	...	5.06	+1.75	1.30	5.0	11	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	6	......	......	......	......	......	......	...	5.06	......	1.59	......	13	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	17	......	......	......	......	......	......	...	5.67	+2.54	1.60	......	13	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	1	......	......	......	......	......	......	...	3.97	......	0.75	......	9	......	......	......	......	Mrs. D. R. Gandinees
Gary	McDowell	1,426	17	43.2	+6.2	71	15†	13	27†	40	3.94	+0.54	1.32	......	16	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	36	40.8	+5.3	69	17†	12	27	39	2.89	−0.04	1.25	2.0	15	5	11	15	......	Mrs. M. L. McClung
Huntington	Cabell	538	36	43.4	+8.3	74	17	6	27	35	4.18	+0.65	0.98	1.0	10	7	9	15	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	14	......	......	......	......	......	......	...	3.58	+0.15	0.76	......	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	17	......	......	......	......	......	......	...	5.00	+1.02	1.20	2.0	16	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	3	......	......	......	......	......	......	...	4.70	......	1.00	......	6	......	......	......	......	Claud J. Wriston
Lewisburg	Greenbrier	2,250	33	40.0	+6.8	67	17	6	27	38	2.54	+0.46	0.99	4.0	8	14	4	13	......	Rose Argabrite
Logan	Logan	700	30	......	......	......	......	......	......	...	5.50	+1.33	1.01	......	14	......	......	......	......	J. R. Wampler
Madison	Boone	675	12	41.2	+6.4	74	17	7	27	35	4.99	+2.08	1.19	0.1	12	17	7	7	......	W. E. Holy
Marlinton	Pocahontas	2,131	34	33.6	+4.4	62	17	−2	27	32	4.00	+0.20	0.98	9.5	13	2	18	11	w.	S. L. Brown
Point Pleasant	Mason	595	40	39.6	+4.1	70	17	0	27	39	5.78	+2.42	1.76	6.0	14	3	11	17	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	3	37.8	......	65	17	3	27	40	4.92	......	0.92	8.0	17	11	4	16	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	10	40.8	+3.3	70	17	9	29	35	4.64	+1.36	1.50	2.0	13	8	6	17	sw.	Lockmaster
Richwood	Nicholas	2,193	3	40.6	......	67	17	2	27	37	4.52	......	1.08	8.5	19	8	2	21	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	33	[a]39.0	+4.6	76[a]	24	1	27	44[a]	5.45	+2.01	0.95	3.0	14	12	0	19	......	M. Frazier
Ryan	Roane	700	30	36.4	+2.2	68	17	−1	27	39	4.54	+1.07	1.12	2.4	14	10	5	16	......	Wm E. Ryan
Sharples	Logan	889	13	......	......	......	......	......	......	...	4.60	+0.98	1.55	......	8	......	......	......	......	R. W. Howard
Spencer	Roane	789	29	40.4	+4.1	73	17	3	27	39	5.55	+2.22	1.80	4.0	14	6	8	17	......	A. M. McKown
Sutton	Braxton	850	27	41.6	+6.7	73	17†	4	27	40	6.15	+2.12	1.35	10.0	13	0	18	13	......	C. B. Eakle
Union [e]	Monroe	2,250	29	38.2	+4.6	66	25	4	27	38	2.74	−0.05	1.14	2.0	7	5	9	12	......	W. M. H. Young
Wayne	Wayne	598	6	......	......	......	......	......	......	...	3.41	......	0.69	......	14	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	23	36.3	+6.0	64	17	5	26	38	2.45	−0.63	1.25	......	7	16	5	10	......	A. P. Spence
Williamson	Mingo	673	33	43.8	+6.6	74	17	12	27†	37	5.03	+1.22	1.37	T.	13	9	8	14	ne.	J. E. Dotson
State averages and	extremes	......	....	38.7	+4.0	78	17	−5	28	48	4.10	+0.74	1.87	5.3	12	9	7	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for December, 1933

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac			.29	.11							.48						1.09		.14	.55						.60	.12					3.38
Brandywine	...do			T.	.10		.15					.30					.25			.10	.50						.20						1.60
Circleville	...do				.40		.16					.30				T.	.69	.14	.07		.64					T.	.14	.09					2.63
Harpers Ferry ||||	...do											.03					.07	.28	.12		.25					.03	.40	.25					1.43
Kearneysville	...do			T.			.12					.14					.10	.55	.02		.23						.62						1.78
Martinsburg ||||	...do			.05	.02		.02	.02				.15		.05			.28	.55	.15		.22	.04					.75						2.30
McNeill	...do			.05			T.				T.	.30		T.	T.		.11	.35		T.	.33					.07	.54						1.75
Piedmont	...do			.37								.34		T.	T.	.01	.35	1.06	T.		.42						1.05					.03	3.63
Romney||||	...do			.20	.03		.03					.30					.20	.55	.04		.30					.05	.50					.01	2.21
Stony River Dam	...do				.59							.30	.10				.40	.56	.10		.33	.04				.26	.50						3.18
Upper Tract	...do			T.			.22					.15			.04	T.					.20						.26						.87
Wardensville ||||	...do				.02		.04			T.		.20			.04		.04	.24	.05		.29	T.					.40						1.32
Northern Division																																	
Aberdeen	Monongahela			.34	T.		.32				T.	.18		T.	.07		1.12	.88	.13	.03	.75	T.				.49	.64	.06				T.	5.01
Alma (near)	Ohio			.27	.08		.13				.08	.10			.01	.07	.60	1.00	.08		.57	.03			.14	.28	.56					.04	4.04
Alpena	Monongahela			.36	.19		.34			T.	.05	.15		T.		.02	1.09	.65	.20	.12	.56	.03				.15	.30	.30				.06	4.57
Benson	...do			.40	.05		.08				.05	.15		.08			.98	1.00	.08	.10	.30						.95						4.22
Bens Run	Ohio			.29			.10				.13	.04				.23	.64	1.10		.12	.45				.03	.46	.55	.10				.11	4.35
Brownsville	Monongahela			.35	.03		.22				.05			.02	.03		1.26	.78	.10	.15	.82					.29	.70	.02					4.82
Bruceton Mills	...do			.55			.25				T.	.20						1.87			.46					.55	.40				.50	.60	5.38
Buckhannon	...do			.50			.57			T.	T.			.10	T.	.24	1.34	.88		T.	.92						.55					T.	5.10
Cairo	Little Kanawha			.32			.16					.20			.05		.95	1.65			.80						.15	.12				.06	4.46
Clarksburg||||	Monongahela			.10	.25	T.	.14					.20			.04		.67	1.23	.10	T.	.47	.13				.11	.49	.11					4.04
Crawford||||	...do			.49			.51					.17		.04			1.53	.53	.13	.24	.75	.02				.49	.36	T.				.06	5.32
Creston||||	Little Kanawha			.07	.27		.24					.14			.07		1.55	.85	.10		.70	.22				.24	.56	.16					5.17
Dam 10, Mon. R.||||	Monongahela			.02	.31		.14	.02				.19				.08	.71	.29	.41		.30	.26				.32	.30	.21				.03	3.59
Dam 13, O. R.||||	Ohio			.02	.58							.20				.10	.87	.28	.92		.20	.36				.40	.28	.10					4.31
Dam 15, Mon. R.||||	Monongahela	.02		.02	.38	.02	.07	.03				.20			.06	.12	.57	.54	.36	.02	.47	.13				.28	.36	.13					3.78
Davis ||||	...do			.07	.80	.10	.20	.30		T.	T.	.55	.15		T.	T.	.75	.75	.45	.09	.60	.22				.21	.10	.19			T.	T.	5.56
Elizabeth (D'm 3 LK)	Little Kanawha			.02	.30		.19					.11			.04		1.17	1.11	.15	.04	.55	.12				.11	.66	.13				.11	4.81
Elkins***	Monongahela			.36	.11		.36			T.	.25	.02		.04	T.		1.34	.47	T.	.32	.33	T.			.18		.70	.01				.02	4.51
Fairmont||||	...do		.07	.31		.09					.20				.02	.16	.67	.58	.26	.45	.15				.34	.35	.20					.07	3.92
Glenville ||||	Little Kanawha	.04		.26	.14		.22	.06			T	.12			.10	.04	1.45	.65	.08	.07	.86	.18				.39	.32	.12					5.10
Grafton ||||	Monongahela			.45	.18		.23			T.	T.	.19		.08		T	.67	1.20		.23	.78					.16	.55					.05	4.77
Horner	...do				.20		.15				.35				.45	.15		.55	1.25	.30	.70				.20	.35	.15	.10	.12	.05		.13	5.20
Horton	...do				.40		.17					.40					.75	.25		.17						.40	.28						2.82
Janelew (near)	...do			.35			.25					.25			.10		1.10	.95	.10	.10	.20						1.33					.07	4.80
Lost Creek	...do			.57	T.		.05				T.	.18		T.	.04	T.	.83	1.04	T.	.30	.72	T.				.12	.43	.08				T.	4.36
Mannington	...do			.22	.20		.12				.01	.20		.02	.01	.14	.56	.71	.13	.01	.51	.04				.59	.59	.02			T.	.06	4.14
Morgantown	...do		.30	.10			.15				T.	T.	T.	T.	.08	T.	T.	1.20	.38	T.	.40	T.			.48	T.	.15	.15			T.	.33	3.72
New Cumberland||||	Ohio			.02	.22							.16				.06	.75	.05	.34		.17	.48				.42	.22	.05					2.94
New Martinsville	...do			.30	.10						T.	T.				.42	.75	1.08			.65	.05					.65	.22				.18	4.40
Parkersburg* **	...do			.16			.07			T.	.17	T.		.02	.02	.21	.74	1.09		.12	.35				.23		.33					.09	3.60
Parsons	Monongahela			.06			.04				.20			T				.40		.25					.30		.80	.15	.60				2.80
Parsons No. 2	...do			.59	.14		.42				.01	.25					.74	.91	.21	T.	.73	T.				.23	.53	.03				T.	4.79
Philippi	...do			.20	.28		.25	T.				.30				.38	.92	1.08	.12		.55	.28					.21	.20					4.77
Pickens	...do			.56		.84				.30	.30	.20		.36			1.58	.41	.25	.41	.36						.25	.30					6.12
Roanoke	...do			.30	.06		.37				.02	.10		.01			1.40	.61		.24	1.00						.67	.03					4.81
Rowlesburg||||	...do	.06		.14	.60		.20	.03				.26			.05	.02	.68	1.19	.56	.02	.40	.32				.20	.43	.17					5.33
Saint Marys||||	Ohio				.01	.36	.08					.09			.02	.09	.80	.67	.50	.02	.27	.21				.31	.21	.16					3.80
Terra Alta	Monongahela																																
Thomas ||||	...do			.13	.62		.23	.10				.32			.08		.63	.75	.38	.02	.33	.31				.25	.33	.12					4.60
Valley Chapel	...do			.39	.14		.20				T.	.20			.04		.98	1.12	.14		.85	.02				.28	.82	.06				.04	5.28
Vandalia	...do			.45			.46								.17		1.43	.61	.13	.17	.73					.18	.30						4.63
Wellsburg	Ohio			.10	.25							.09					1.00	.90	.41		.82	.05			T.	.20	.21	T.					4.03
West Milford	Monongahela			.55						.20							.80	1.18	.10			.60											3.43
Weston	...do			.34	.16		.21					.16			.14		1.21	.78	.11		.82	.11				.36	.38	.08				.02	4.88
Wheeling (Dam 12)||||	Ohio			T.	.28	T.	T					.20	T.		T.	.08	1.03	.25	.90		.18	.40				.23	.37	.05		T.			3.97
Woodlands||||	...do			T.	.41	.03	.02					.18			.02	.11	.80	.21	1.03		.23	.54				.29	.16	.07					4.10
Southern Division																																	
Arbovale	Great Kanawha			.35			.28			T.	T.	.56					.27			1.30	T.					.06	.30						3.12
Bancroft ||||	...do									T.							.64	.82	.15	.18	1.00					.20	.45	.33				.10	3.87
Beckley	...do	.16		.34	.10		.81			.06	.05	.09		.10	.07		.39	.04	.16	1.10	.32	.04				.08	.80	.04				.17	4.92
Bluefield	...do	.02			.19		.33					.03		.07			.09		.05	1.05	.25						.36	.05	.06				2.55
Charleston ||||	...do			.10	.13		.45			T.							.52	.32	.35	.12	.78	.10					.85	.05					3.77
Clay||||	...do	.06		.10	.17		.46			.11		.10			.08		.41	.35	.18	.03	.96	.16				.18	.26	.16					3.77
Dam 6 G. K ||||	...do			.10	.04		.43			.04		.03					.55	.38	.29	.08	.98	.11				.18	.85	.05					4.11
Dam 19 O. R. ||||	Ohio			T.	.12	.02	.07					.13			T.	.03	.91	.80	.65	T.	.21	.19				.21	.25	.05				T.	3.64
Dam 20 O. R. ||||	...do			T.	.25		.13					.14			.03	T.	1.02	1.30	.56	T.	.40	.15				.68	.40	T.				T.	5.06
Dam 25 O. R. ||||	...do				.26	.02	.24					.06					1.59	1.18	.20	.03	.69	.23				.15	.33	.08					5.06
Dam 26 O. R. ||||	...do			.03	.22		.50					.04					1.60	1.20	.17	.08	.98	.13				.20	.50	.02					5.67
Durbin	Great Kanawha				.47							.45					.54	.38		.20	.75	.45						.45	.28				3.99
Gary ||||	Big Sandy	.05		.22	.05	.05	.60	.17				.01		.01			.20	.18	.10	.18	1.32					.12	.59		.09				3.94
Hinton||||	...do	.04		.10	.18		.23	.11		T.	.03	.11		.02	T.		.03	.05	.03	.10	1.25	T.					.47	.14					2.89
Huntington	Ohio						.56			T	.02			T.		T.	.98	.58	.02	.80	.33				.10		.71	T.				.08	4.18
Kanawha Falls||||	Great Kanawha			.21	.25		.30										.30	.48	.30	.06	.32	.12			.10		.76	.38					3.58
Kayford||||	...do		.02		.40	.05	.73	.19		.04	.01	T.			.03		.19		.65	.05	1.20	.08				.30	.86	.20	T.				5.00
Kingston	...do	1.00								.40								1.00							.60			1.00				.70	4.70
Lewisburg	...do			.99			.25			T.	T.	.11		.09			.08			.51	T.						.40					.11	2.54
Logan||||	Guyandotte	.17		.18	.08		.95	.05									.49	.50	.20	.22	.97		.08			.52	1.01	.08					5.50
Madison	Great Kanawha		.15			.65			.14					T.		.30	.57	.27	.22	1.00	.08				.29	1.19	.13					T.	4.99
Marlinton	...do			.38	.14		.55				.10	.35			.04		.30	.06		.98	.34					.06	.40	T.			.30		4.00
Point Pleasant||||	Ohio			.06	.14	.04						.22			.02	T.	1.76	1.28	.26	.08	.86	.22				.26	.46	.12					5.78
Rainelle	Meadow Creek	.14		.38	.04	.01	.61			.05	.02	.22		.02	.02		.36		.15	.73	.92					.21	.82	.22					4.92
Ravenswood (Dam 22	Ohio||||			.03	.28		.27									.02	1.50	1.05	.13	.01	.65	.15				.12	.35	.08					4.64
Richwood	Great Kanawha	.05		.30	.20		.65			.06	.08	.12		.04	.03		.48	.06	.28	.40	1.08	.03				.14	.42	.08				.02	4.52
Robertsburg||||	...do			.15	.22	.03	.49					.53					.95	.72	.16	.24	.90	.15				.06	.80	.05					5.45
Ryan	...do			.23			.31				.02	.02		.01	.01		1.12	.53	.10	.52	.65					.10	.86					.06	4.54
Sharples||||	Coal River					.15	.80										.10	.35	.47	.20	.98	T.					1.55						4.60
Spencer ||||	Great Kanawha			.04	.28		.42				T.	.08			T	.03	1.80	.70	.09	T.	1.03	.18				.19	.22	.20				.29	5.55
Sutton	Gauley			.35			.55	.50		.10	.10						1.35	.45	.20	.35	1.10					.15	.75	.20					6.15
Union	...do				.46		.31					.15		T.						.48							.10	.10			1.14		2.74
Wayne ||||	Big Sandy	.05		.08	.14		.31					.03					.32	.26	.19	.27	.62					.32	.69	.10			.03		3.41
White Sulpr. Spgs. ||||	Great Kanawha			.20		.25	.05				.40								.25	1.25	.05												2.45
Williamson||||	Big Sandy			.15	.10		.92	.02		T.				T.			.45	.54	.15	.20	.98	.06				.09	1.27	.10					5.03

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1933

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	55	57	54	53	64	60	38	49	46	28	37	29	22	40	63	60	66	65	50	49	38	64	53	63	60	44	32	25	23	40	58	47.9
	Minimum	32	20	38	38	26	32	19	23	17	17	13	3	3	18	26	48	46	37	37	34	32	36	31	29	23	22	-2	-5	6	3	40	23.9
Brandywine	Maximum	60	56	59	55	62	55	40	44	57	44	20	26	35	35	52	60	70	60	65	58	50	63	65	67	66	40	35	37	35	64	60	52.1
	Minimum	31	19	36	42	25	38	14	26	20	14	25	1	15	22	30	42	48	40	40	44	30	25	27	29	31	25	4	10	6	18	34	26.2
Kearneysville	Maximum	50	51	54	57	52	51	45	56	50	39	38	25	26	31	40	49	48	58	48	45	47	61	63	68	58	34	35	29	27	22	46	45.3
	Minimum	41	20	32	39	33	39	24	23	30	18	24	10	6	21	27	32	43	41	28	37	41	32	35	30	33	26	9	4	5	4	20	25.0
Martinsburg*	Maximum	50	52	52	60	53	48	45	54	36	40	40	38	28	33	45	50	60	56	60	55	48	62	64	61	60	38	33	28	25	28	..	46.7
	Minimum	40	22	25	40	32	36	27	22	24	18	25	12	9	12	19	30	40	40	29	34	36	34	35	31	35	31	9	8	5	5	9	25.0
McNeill	Maximum	62	49	61	61	60	50	50	62	55	40	42	36	27	33	53	55	55	59	47	46	48	65	72	74	64	38	38	36	32	25	52	49.9
	Minimum	31	18	32	45	24	33	33	19	25	16	25	1	4	22	26	33	46	40	26	30	42	22	27	31	34	27	4	0	2	2	22	23.9
Piedmont	Maximum	60	47	47	60	55	47	42	52	48	32	38	26	22	30	39	53	49	55	46	44	43	55	62	67	35	33	28	27	22	20	49	43.0
	Minimum	40	24	37	40	33	36	23	28	25	21	21	9	7	20	27	35	45	41	30	37	38	35	32	32	30	25	8	8	7	-2	18	25.1
Romney	Maximum	63	51	57	60	54	48	47	58	53	39	40	27	24	34	46	49	49	60	46	46	47	61	70	71	66	42	37	35	28	20	54	47.7
	Minimum	42	19	31	42	28	33	18	20	27	22	24	6	4	20	28	32	44	44	27	36	41	31	29	29	34	26	6	-1	6	7	18	24.9
Upper Tract	Maximum	48	51	56	58	62	63	64	..	..	..	38	37	25	30	32	..	..	48	45	43	46	56	65	..	..	22	49	35	36	18	60	45.3
	Minimum	41	25	41	39	30	30	31	..	..	..	18	6	9	20	21	..	..	30	30	31	38	30	33	..	..	18	6	8	8	5	24	23.8
Wardensville*	Maximum	51	51	59	58	65	50	49	58	44	41	36	31	..	34	59	55	58	50	47	47	51	63	64	69	..	58	43	36	16	34	55	49.4
	Minimum	34	18	22	38	25	32	15	20	29	21	21	5	6	..	27	30	42	45	25	25	35	22	26	27	..	25	7	2	8	6	12	22.4
Northern Division																																	
Alpena	Maximum	43	53	54	54	62	56	38	48	42	26	37	27	47	46	58	59	64	61	41	49	34	50	63	60	57	34	26	24	26	40	55	46.3
	Minimum	32	22	42	38	29	31	22	23	16	11	14	-2	10	28	33	47	45	40	30	32	30	30	36	34	24	23	-1	1	4	9	39	24.9
Bens Run	Maximum	53	51	59	58	64	56	45	50	42	32	38	29	31	36	62	61	66	58	58	50	43	52	64	66	59	38	27	27	22	43	47	48.0
	Minimum	31	29	42	40	36	38	27	28	24	21	16	11	13	28	35	47	49	40	37	41	38	32	31	43	34	26	2	9	1	1	33	28.5
Buckhannon	Maximum	57	58	57	56	64	60	40	49	40	31	40	28	34	41	66	62	58	68	51	53	40	53	56	64	55	37	30	29	25	42	57	48.4
	Minimum	30	25	42	45	34	40	29	27	25	22	21	11	18	30	39	52	43	45	38	39	38	33	32	40	33	30	5	8	9	18	39	30.3
Cairo	Maximum	62	62	60	61	69	68	44	49	53	42	42	27	32	40	65	64	70	70	50	51	44	54	64	72	69	42	38	26	30	33	41	51.4
	Minimum	32	22	39	41	30	42	22	22	25	29	18	8	18	28	34	49	50	39	36	42	39	27	27	38	34	18	-5	4	3	12	29	27.5
Clarksburg*	Maximum	50	57	56	55	67	42	44	51	33	41	33	31	32	55	67	58	68	58	52	52	51	55	66	67	57	35	32	25	21	42	59	48.8
	Minimum	24	22	32	42	31	33	23	22	24	18	21	7	12	14	27	52	50	42	34	42	29	31	28	30	33	30	3	2	5	9	21	25.6
Creston	Maximum	50	62	58	54	68	56	44	50	45	33	35	31	30	39	69	61	71	68	59	48	41	58	68	69	62	38	29	30	27	44	51	49.9
	Minimum	25	28	37	44	30	43	23	23	27	22	22	9	19	29	37	49	50	42	37	40	38	28	27	36	30	28	0	7	7	14	30	28.4
Elkins	Maximum	46	61	59	56	66	53	41	52	38	41	42	29	50	45	67	62	69	55	47	52	40	54	68	64	45	36	12	27	26	50	61	48.6
	Minimum	26	23	42	38	31	28	26	25	20	21	11	6	15	30	44	50	51	34	34	37	35	37	38	45	29	11	2	5	6	13	47	27.7
Fairmont	Maximum	52	52	57	57	72	47	49	58	39	40	33	33	31	49	69	58	69	58	51	52	50	57	70	68	55	35	30	35	25	44	58	50.1
	Minimum	26	28	44	39	41	26	26	23	20	21	21	9	10	21	26	49	50	41	34	35	39	32	32	35	32	29	3	3	9	9	21	26.9
Glenville	Maximum	63	62	60	60	71	67	45	53	47	35	46	46	32	39	70	68	73	72	50	53	44	58	69	70	68	45	32	32	32	43	46	53.3
	Minimum	27	24	38	45	33	40	26	24	27	20	23	11	19	30	36	50	52	44	38	41	40	29	28	39	34	31	0	8	9	14	32	29.4
Grafton	Maximum	59	57	58	58	69	59	45	54	48	31	35	36	33	40	69	64	70	70	52	53	43	51	70	68	50	36	31	28	26	45	58	50.5
	Minimum	26	25	42	42	33	38	25	25	22	21	23	8	16	28	37	52	50	42	35	35	37	32	30	34	31	29	4	7	6	13	36	28.5
Lost Creek	Maximum	59	58	60	58	68	65	45	53	40	34	38	32	32	35	68	65	69	66	50	50	40	54	60	68	64	40	36	28	25	42	57	50.3
	Minimum	20	22	37	40	30	39	20	18	16	19	21	6	14	18	34	51	49	32	39	38	36	30	28	38	31	30	-5	0	4	9	35	25.8
Mannington	Maximum	58	49	57	57	64	58	41	49	46	31	39	25	31	36	65	64	67	61	51	51	43	53	63	65	64	37	31	25	22	42	55	48.4
	Minimum	23	22	37	43	31	37	24	22	20	19	20	5	11	26	34	48	47	39	31	41	36	29	27	32	31	29	-5	1	3	9	35	26.0
Morgantown	Maximum	65	57	64	65	67	65	58	45	39	38	32	31	33	31	67	65	66	66	59	52	40	54	62	60	52	32	32	24	19	43	58	49.7
	Minimum	29	27	35	41	42	40	26	32	17	18	11	8	12	13	31	42	46	38	34	33	34	32	39	38	27	24	-1	3	3	7	42	26.7
New Cumberland*	Maximum	43	50	60	52	64	47	45	49	34	36	26	25	27	41	62	46	62	42	45	50	45	52	64	63	56	33	12	22	17	45	58	44.3
	Minimum	31	21	28	36	41	40	25	25	18	19	22	4	9	14	22	40	36	37	29	30	30	33	30	31	22	26	1	1	4	7	17	23.5
New Martinsville	Maximum	56	48	58	53	66	60	48	50	47	40	39	28	31	37	63	57	63	56	53	50	42	55	66	66	64	39	28	28	25	40	50	48.7
	Minimum	27	26	40	42	36	36	25	26	27	20	20	8	15	27	34	47	22	49	34	40	37	31	30	43	32	28	0	1	11	10	36	27.5
Parkersburg	Maximum	48	53	62	53	68	59	45	50	35	38	41	26	30	38	65	57	69	53	52	53	43	55	67	68	49	34	15	28	20	48	60	47.6
	Minimum	30	28	45	44	43	34	24	31	21	22	11	13	20	28	37	50	53	41	40	40	32	32	35	39	32	13	1	13	14	14	42	30.0
Parsons	Maximum	56	61	57	53	69	52	52	53	44	40	38	34	34	38	65	61	65	55	49	51	43	55	65	65	60	54	30	32	30	62	..	50.8
	Minimum	27	23	39	40	40	31	27	24	20	22	12	6	11	14	35	50	50	36	35	37	35	35	30	30	32	20	3	3	9	40	..	27.3
Pickens	Maximum	57	60	57	63	54	49	48	49	47	32	27	38	48	47	57	58	63	51	53	53	38	51	62	60	53	47	37	31	30	43	55	49.2
	Minimum	25	23	44	34	31	22	24	23	25	13	10	1	20	29	42	47	48	35	25	32	31	30	29	39	25	21	-2	3	0	9	40	25.1
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wellsburg	Maximum	54	52	60	56	64	54	54	48	44	37	37	23	23	34	62	60	63	60	44	49	42	56	63	64	60	40	31	24	20	38	54	47.6
	Minimum	22	18	36	43	34	35	22	25	19	19	17	0	6	20	29	40	41	37	28	41	36	32	26	34	26	28	0	-1	4	8	36	24.5
Weston	Maximum	50	60	59	58	70	69	48	55	54	34	30	30	30	38	65	64	68	67	48	49	48	65	66	69	68	35	31	28	27	45	44	50.7
	Minimum	29	30	38	45	29	38	31	29	27	22	26	11	19	28	37	58	59	46	44	40	36	40	32	40	32	28	3	8	7	10	33	30.8
Wheeling(Dam 12)	Maximum	62	58	60	52	62	46	44	50	30	39	28	24	29	43	62	49	63	44	49	50	51	52	57	62	38	33	15	24	19	45	60	45.2
	Minimum	46	24	28	42	42	27	25	20	18	19	10	7	10	22	26	40	39	33	32	33	28	32	31	30	29	2	1	2	8	18	18	23.9
Southern Division																																	
Beckley	Maximum	54	61	59	57	63	59	48	52	44	42	43	43	52	52	60	60	68	63	54	50	46	53	65	61	56	44	37	36	40	48	58	52.5
	Minimum	35	28	45	42	35	33	25	26	20	20	22	10	25	33	35	51	52	44	36	37	33	32	35	34	27	25	3	11	9	20	38	29.7
Bluefield	Maximum	61	65	..	67	63	59	49	53	48	..	45	47	52	..	65	61	..	65	51	52	48	55	66	..	..	66	30	42	44	53	..	54.5
	Minimum	43	33	..	43	37	38	28	28	24	..	22	15	36	..	38	52	..	48	38	41	34	36	39	..	..	30	8	17	15	22	..	31.9
Charleston*	Maximum	52	..	59	55	67	50	50	52	..	50	40	39	41	53	68	..	78	61	53	53	54	59	..	..	36	38	21	27	29	59	..	49.8
	Minimum	32	33	..	34	39	39	29	29	29	..	29	17	18	33	39	50	..	49	47	48	42	33	33		..	33	10	8	17	17	28	31.3
Gary*	Maximum	55	66	62	60	66	53	51	57	33	50	47	47	59	60	71	60	71	57	51	54	49	58	68	63	45	42	40	42	43	54	55	54.6
	Minimum	40	30	34	44	34	34	31	24	24	28	31	18	19	40	40	41	48	51	46	46	40	28	28	30	36	34	13	13	17	17	23	31.7
Hinton*	Maximum	56	60	59	54	53	50	51	64	35	47	43	40	46	49	65	52	69	54	50	51	52	59	69	63	43	38	24	42	40	39	42	50.3
	Minimum	38	30	32	40	37	38	30	27	27	27	28	17	25	33	40	40	46	50	43	41	40	30	30	32	33	31	12	20	17	18	20	31.4
Huntington	Maximum	57	55	63	59	71	63	49	55	50	38	48	31	39	42	73	64	74	59	52	51	49	60	69	70	59	40	30	33	30	51	60	53.0
	Minimum	33	33	44	49	36	41	26	28	31	26	28	18	27	32	38	52	55	44	45	42	41	38	34	54	53	30	6	15	16	19	34	33.8
Lewisburg	Maximum	64	58	56	46	52	49	47	50	53	35	40	38	46	52	63	59	67	63	46	55	61	61	65	61	58	49	38	38	37	40	43	51.3
	Minimum	27	40	38	23	38	39	21	36	19	23	28	14	26	31	34	50	45	38	39	25	28	34	27	28	34	19	6	15	11	14	36	28.7
Madison	Maximum	52	60	62	57	66	47	45	54	32	53	40	35	47	58	70	62	74	60	53	52	48	60	63	68	42	39	22	31	33	50	64	51.6
	Minimum	29	32	48	34	35	26	25	25	27	30	15	17	32	33	54	50	48	48	45	40	30	30	31	33	32	8	7	15	15	27	38	30.9
Marlinton	Maximum	54	46	46	50	54	46	40	46	38	32	28	28	30	40	52	52	62	60	44	44	38	52	56	54	50	32	20	32	26	40	44	43.1
	Minimum	28	18	34	36	30	34	18	18	22	14	16	4	22	30	32	34	44	42	38	36	30	26	24	22	24	20	-2	10	6	8	26	24.0
Point Pleasant	Maximum	54	56	62	59	67	63	48	51	47	36	35	30	32	40	65	61	70	67	52	48	45	56	68	65	63	38	28	29	28	47	56	50.6
	Minimum	25	26	39	45	33	40	20	22	25	18	25	10	23	26	35	46	48	40	39	41	38	32	29	45	31	28	0	8	10	13	30	28.7
Rainelle	Maximum	52	57	54	53	61	47	46	51	46	32	39	37	35	42	60	60	65	63	45	50	44	54	64	61	57	35	28	33	35	45	43	48.3
	Minimum	35	24	40	41	29	34	26	18	23	20	21	9	25	33	36	48	46	44	35	36	34	23	24	27	26	27	3	8	4	16	28	27.3
Ravenswood	Maximum	62	58	62	60	64	65	45	50	49	35	35	28	30	39	69	66	70	69	56	53	44	57	66	67	66	40	31	27	26	45	56	51.1
	Minimum	27	26	40	42	38	40	22	26	27	21	22	12	21	28	38	48	50	41	40	42	38	32	32	43	39	31	11	11	9	15	35	30.5
Richwood	Maximum	55	59	58	59	65	54	45	52	48	49	44	44	48	47	62	61	67	65	53	53	41	57	66	62	54	37	30	32	34	44	56	51.6
	Minimum	30	37	38	40	32	35	36	23	22	28	20	11	27	32	40	50	50	41	40	38	39	26	29	33	28	28	2	12	8	21	31	29.7
Robertsburg*	Maximum	52	62	64	55	70	48	..	53	32	48	36	31	34	52	71	58	71	54	49	53	49	49	70	76	49	32	30	28	28	45	60	50.3
	Minimum	27	25	34	46	33	35	20	22	24	22	26	11	17	28	30	47	47	41	41	43	39	32	30	32	32	30	1	2	8	12	23	27.7
Ryan	Maximum	55	55	55	52	65	55	40	50	38	35	34	25	34	38	65	60	68	53	45	46	39	50	60	65	60	33	26	23	25	40	56	45.8
	Minimum	23	21	34	41	26	35	20	18	24	18	20	8	20	26	34	45	48	45	36	36	32	26	24	31	29	26	-1	7	5	18	27	25.9
Spencer*	Maximum	53	62	59	52	69	48	46	49	38	46	35	29	33	54	70	59	73	50	54	50	46	59	68	69	48	33	17	30	25	50	62	49.5
	Minimum	38	26	36	48	35	44	25	26	29	24	28	12	24	29	31	50	50	44	41	46	39	32	32	35	34	31	3	12	10	15	38	31.2
Sutton	Maximum	60	64	64	70	70	69	43	55	55	35	35	29	36	41	68	68	73	73	50	50	45	57	67	68	68	40	33	30	30	48	63	53.5
	Minimum	29	24	39	30	31	41	28	24	27	22	26	11	21	31	38	52	50	48	39	43	39	28	28	35	33	30	4	10	11	15	36	29.8
Union	Maximum	59	60	..	50	55	55	45	51	52	..	33	40	40	47	62	59	..	50	50	45	48	55	65	..	66	60	35	38	38	42	..	50.0
	Minimum	23	24	..	34	28	39	23	17	24	..	20	11	28	33	31	50	..	41	35	40	34	29	27	..	29	25	4	12	10	14	..	23.3
White Sulphur Spgs*	Maximum	56	49	51	49	55	46	42	52	36	41	40	40	38	40	57	58	64	52	40	53	48	54	62	50	43	36	22	39	33	37	40	45.9
	Minimum	22	27	45	33	25	23	17	23	22	31	12	18	33	34	36	45	47	37	38	36	25	24	24	29	26	5	11	8	12	17	32	26.7
Williamson*	Maximum	58	63	63	62	66	51	50	54	35	54	45	45	50	53	68	60	74	56	54	51	51	60	66	67	46	45	45	35	37	43	62	53.8
	Minimum	41	32	34	51	39	39	34	27	28	29	30	21	22	34	40	46	53	53	50	49	42	32	32	34	36	36	12	12	19	20	25	33.9

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1-26-34—900)

51.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

LIBRARY OF THE
JUN 28 1934

40

R. P. POWELL

Vol. XLI PARKERSBURG, W. VA., YEAR, 1933 No. 13

GENERAL SUMMARY

The weather during the year 1933 was warmer and wetter than usual, with about the normal amount of sunshine. The snowfall averaged considerably below the normal.

January was unusually warm, and the temperature was well above the normal in February. The spring months were mostly warm, and the temperature also averaged above the normal in September and December. March was cold; July, August, October, and November were cooler than usual.

In general, the summer and winter periods were somewhat wetter than usual, while March and September averaged considerably above the normal The precipitation was deficient in February, June, October, and November. The heavy rains of March caused a serious flood in the Ohio River

Owing to frequent rains, the spring months were generally unfavorable for farming operations, and plowing and planting were considerably retarded The season of growth was ample for ripening of all crops, extending from the latter part of April to the last week in October

The sunshine at Parkersburg averaged 50 per cent. of the possible amount, or 4 per cent. above the normal. For Elkins, the average was 48 per cent., or 3 per cent. above the normal.

The wind movement for Parkersburg was 56,120 miles, and at Elkins 55,634 miles.

THE WEATHER BY MONTHS

JANUARY.—The month was unusually warm, being the third warmest of January State record. Zero temperatures were not recorded in any section of the State. The precipitation averaged slightly above the normal in practically all sections. The snowfall was the second lightest of January State record. Stock remained in the open practically the entire month.

FEBRUARY.—The month was warm and somewhat dry. Zero temperatures prevailed throughout the State on the 6th, 9th, and 12th. The snowfall was mostly light and unimportant. On account of moderately heavy floating ice, navigation was interrupted or suspended on the Ohio River from the 10th to the 16th.

MARCH.—A cold, wet month. The average precipitation, 5.92 inches, was nearly twice the normal. Monthly amounts exceeding nine inches were reported from the mountain districts. Temperatures near or slightly above zero were recorded generally on the mornings of the 6th and 11th. While the snowfall was somewhat below the normal, heavy amounts were reported from scattered localities of the mountain districts. Flood stages prevailed in the Ohio River from the 15th to the 25th.

APRIL.—The month was warmer and wetter than usual. Freezing temperatures and heavy to killing frosts occurred generally on the 23d and 24th, causing slight damage to peach, cherry, and plum bloom. Owing to frequent rains, the month was unfavorable for farm work, and plowing was considerably retarded, and at the close of the month was about three weeks behind the average.

MAY.—A warm, wet month. This was the wettest month since June, 1928. Monthly amounts exceeding 11 inches were reported from three stations. Many thunderstorms occurred and light hail was noted at a number of stations. The average number of rainy days, 18, was the greatest of May State record. On account of the continued wet weather during the first half of the month, field operations were practically at a standstill; during the last half, plowing and seeding progressed rapidly.

JUNE.—The month was warm and exceptionally dry, being the driest June of State record. Light to heavy frosts occurred on the mornings of the 14th and 15th, the frost damage was confined generally to truck gardens. All crops suffered severely from high temperature and lack of moisture. Heavy rains, high winds, and hail, caused some damage in scattered localities.

JULY.—A cool month. The precipitation averaged well above the normal. Maximum temperatures near or slightly above 100 degrees occurred generally on the 1st and 23d. The weather was mostly favorable for growth and farm work. Hail and high winds caused slight damage in some sections.

AUGUST.—Temperatures were seasonable. Showers occurred frequently and were well distributed throughout the State. Only a few stations reported amounts for the month less than the normal. This was the sixth wettest August of State record. Heavy to excessive rains caused considerable damage to crops and highways in scattered localities. The month was favorable for farm work, and threshing of wheat and oats progressed rapidly, with fair to poor yields. Potatoes were being dug with poor yields, many fields were a complete failure.

SEPTEMBER.—A warm, wet month. This was the sixth month of the year with an excess of temperature and the seventh with an excess in precipitation. Light frosts occurred in scattered districts on the 19th and 30th. The month was unusually favorable for harvesting, threshing, and fall plowing.

OCTOBER.—The month was somewhat cold and unusually dry, with a large percentage of sunshine. There were well-marked periods of high and low temperatures. Snow flurries occurred on the 25th in scattered localities. The first general killing frost of the season occurred on the 26th, about 14 days later than usual. The month was favorable for outdoor work.

NOVEMBER.—The month was marked by frequent and decided changes in temperature and heavy snowfall. From the 15th to the 17th, a severe cold spell covered the State with temperature readings near or slightly below the record for so early in the season in practically all sections. The average snowfall was the second heaviest of November State record.

DECEMBER.—The month was unusually warm and wet. Every station in the State had more than the normal amount of precipitation. The snowfall was light and averaged much below the normal. A severe cold wave prevailed on the 27-28th, with temperature readings near or somewhat below zero. Weather conditions were generally favorable for winter grains and outdoor work.

ERRATUM

Correct Monthly Climatological Data for February 1933, New Cumberland, monthly snowfall to 4.0 inches.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	4.010	4.211	6.156	6.250	5.274	4.156	2.064	......
	Wind Movement	......	1,860	1,153	901	804	1,008	896	1,019	......

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest annual	Least annual	Average snowfall	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	−0.9	94	−9	45.96	+3.08	66.70	31.83	......	......	......	......	....
1892	52.3	−0.6	99	−12	38.33	−4.55	48.76	32.60	......	......	......	......	....
1893	52.0	−0.9	99	−25	39.82	−3.06	52.77	35.15	......	116	......	......	....
1894	53.5	+0.6	103	−29	34.52	−8.36	49.85	26.63	......	102	155	114	96
1895	51.5	−1.4	107	−21	32.82	−10.06	46.55	24.76	......	100	150	111	104
1896	53.6	+0.7	97	−10	43.49	+0.61	60.82	26.26	......	111	132	128	106
1897	53.5	+0.6	103	−18	41.59	−1.29	54.83	31.72	.....	116	141	113	111
1898	53.9	+1.0	103	−13	47.61	+4.73	66.05	38.21	20.6	117	133	129	103
1899	53.0	+0.1	100	−35	40.97	−1.91	55.02	32.46	36.1	108	142	107	116
1900	54.3	+1.4	104	−11	37.62	−5.26	50.32	27.67	30.6	114	135	116	114
1901	52.0	−0.9	104	−11	44.78	+1.90	60.03	31.30	28.2	116	128	95	142
1902	52.8	−0.1	104	−14	42.19	−0.69	58.83	29.52	49.1	112	128	118	119
1903	52.2	−0.7	105	−19	40.55	−2.33	64.64	30.05	29.3	112	151	102	112
1904	51.4	−1.5	98	−20	33.33	−9.55	50.60	20.22	31.7	111	148	110	108
1905	52.3	−0.6	100	−22	45.53	+2.65	63.67	31.57	35.3	117	144	102	119
1906	54.0	+1.1	101	−11	44.36	+1.48	70.28	32.35	40.2	130	134	101	130
1907	52.1	−0.8	98	−23	52.15	+9.27	80.86	32.99	35.0	138	128	102	135
1908	53.6	+0.7	101	−16	40.47	−2.41	64.83	29.91	38.0	116	155	110	101
1909	53.0	+0.1	101	−10	43.02	+0.14	70.07	29.06	30.3	126	143	109	113
1910	52.3	−0.6	98	−11	38.60	−4.28	68.83	27.44	47.4	118	140	103	122
1911	54.5	+1.6	105	−5	47.13	+4.25	73.29	31.00	23.2	131	140	97	128
1912	51.7	−1.2	100	−34	43.83	+0.95	76.33	25.70	33.9	124	159	81	126
1913	54.1	+1.2	103	−4	48.29	+5.41	77.98	32.86	31.6	122	162	79	124
1914	52.2	−0.7	106	−22	39.71	−3.17	59.95	27.42	67.7	116	153	81	131
1915	52.7	−0.2	101	−8	44.14	+1.26	67.82	27.36	29.4	125	146	84	135
1916	52.5	−0.4	104	−18	45.52	+2.64	69.56	26.23	43.9	121	157	92	117
1917	**50.1**	−2.8	104	**−37**	43.56	+0.68	71.38	27.91	54.6	123	163	74	128
1918	53.1	+0.2	110	−27	45.28	+2.40	77.07	31.05	37.7	122	160	83	122
1919	54.0	+1.1	104	−16	47.89	+5.01	82.72	21.94	16.8	118	164	78	123
1920	51.8	−1.1	99	−11	42.04	−0.84	60.40	28.99	25.7	120	147	75	144
1921	**55.7**	+2.8	101	−10	45.46	+2.58	69.72	21.16	22.4	122	145	93	127
1922	53.9	+1.0	100	−15	41.30	−1.58	62.71	19.21	25.8	117	164	68	133
1923	52.8	−0.1	102	−20	45.04	+2.16	80.06	24.85	23.9	125	161	73	131
1924	50.7	−2.2	104	−16	47.21	+4.33	72.31	23.29	36.1	129	154	79	133
1925	52.8	−0.1	104	−27	40.57	−2.31	66.03	25.98	31.1	124	147	85	133
1926	51.6	−1.3	107	−23	49.60	+6.72	89.01	29.25	49.4	139	126	81	158
1927	53.7	+0.8	100	−14	49.14	+6.26	78.16	27.00	26.6	138	138	77	150
1928	52.3	−0.6	103	−14	43.29	+0.41	73.41	19.01	45.8	134	136	82	148
1929	52.7	−0.2	104	−19	46.77	+3.89	78.81	32.20	44.5	132	142	77	146
1930	53.2	+0.3	112	−21	25.43	−17.45	44.76	**9.50**	34.2	107	164	79	122
1931	54.7	+1.8	108	−10	42.36	−0.52	69.32	29.40	18.5	132	146	82	137
1932	54.0	+1.1	106	−12	43.86	+0.98	67.11	32.91	16.5	119	163	82	121
1933	54.4	+1.5	104	−12	48.65	+5.77	82.89	27.28	24.2	136	147	93	125
Period	52.9	......	112	−37	42.88	....	89.01	9.50	33.8	121	147	94	124

CLIMATOLOGICAL DATA FOR THE YEAR 1933

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	49.3	92	June 8†	−7	Feb. 9	33	57.00	8.53	Aug.	2.36	Oct.	53.5	157	192	57	116	w.
Brandywine	Pendleton	1,586	18	53.9	97	June 8	1	Dec. 12	18	30.40	5.30	July	0.95	Sept.	17.0	102	214	27	124	sw.
Circleville	Pendleton	...	...	...	...	...	...	...	2	45.74	8.21	July	1.42	Oct.	22.9	133	...	...	...	...
Harpers Ferry	Jefferson	244	...	...	...	...	...	...	44	35.16	5.64	Aug.	0.61	Nov.	...	105	...	...	...	...
Kearneysville	Jefferson	548	3	54.6	99	July 1	3	Feb. 12	3	38.24	7.24	Aug.	0.84	Nov.	...	102	171	118	76	s.
Martinsburg	Berkeley	435	42	55.2	102	June 9†	5	Dec. 29†	42	42.65	6.40	Aug.	0.79	Nov.	15.5	123	262	76	27	w.
McNeill	Hardy	900	1	...	100	July 23	0	Dec. 28	1	...	...	...	...	...	...	...	...	...	...	...
Piedmont	Mineral	1,053	21	53.0	96	July 23	−2	Dec. 30	21	42.20	6.85	May	1.22	Oct.	...	126	159	132	74	nw.
Romney	Hampshire	824	36	...	100	July 23	−1	Dec. 28	36	39.57*	5.80	Aug.	0.96	Feb.	...	...	...	...	...	...
Stony River Dam	Grant	3,300	...	...	...	...	...	...	13	52.61	7.32	May	1.43	Oct.	82.0	133	69	79	217	w.
Upper Tract	Pendleton	1,230	34	51.3	96	June 8	0	Feb. 9	34	27.28*	5.85	Apr.	0.40	Oct.	...	...	...	...	...	...
Wardensville	Hardy	1,200	6	53.2	98	July 1	0	Feb. 9†	6	41.89	7.01	Aug.	0.59	Nov.	8.2	114	158	110	97[d]	...
Northern Division																				
Aberdeen	Upshur	1,060	...	...	...	...	...	...	9	54.73	9.88	May	1.63	June	23.5	147	100	157	108	w.
Alma (near)	Tyler	800	...	...	...	...	...	...	7	48.79	6.77	Mar.	1.25	Oct.	19.7	155	154	62	149	...
Alpena	Randolph	2,571	4	48.7	90	June 8	−8	Feb. 9	4	65.83	11.16	May	3.05	Jan.	80.5	165	110	151	104[a]	w.
Benson	Harrison	1,080	10	53.8	97	July 22†	−12	Feb. 12	10	48.92	7.03	May	0.52	June	17.5	143	142	144	79	...
Bens Run	Pleasants	622	32	56.5	102	July 23	0	Feb. 9	32	41.29	6.01	Mar.	0.86	Oct.	...	129	219	82	64	...
Brownsville	Lewis	1,032	9	55.3	97	June 8†	−3	Feb. 12	9	55.44	9.40	May	2.27	Oct.	...	152	162	127	76	...
Bruceton Mills	Preston	1,549	...	...	...	...	...	...	22	55.03	9.18	May	1.66	Oct.	23.5	106	129	121[a]	115	sw.
Buckhannon	Upshur	1,411	37	53.9	90	June 9†	−2	Feb. 9	37	55.99	11.36	May	1.72	June	19.0	123	144	144	77	...
Cairo	Ritchie	680	33	55.7	98	July 23	−8	Feb. 12	33	55.00	8.21	May	1.54	Oct.	25.0	130	177	70	118	...
Clarksburg	Harrison	1,015	11	53.7	99	June 9†	−5	Feb. 12	11	46.96	7.08	May	1.27	Oct.	13.7	151	140	108	117	sw.
Crawford	Lewis	1,107	...	...	...	...	...	...	10	58.82	10.33	May	1.91	Oct.	16.7	163	117	155	93	sw.
Creston	Wirt	640	32	55.1	98	June 8†	−7	Feb. 9	32	52.86	7.30	Mar.	1.98	Oct.	...	136	140	47	178	...
Dam 10 Mon. R.	Marion	826	...	...	...	...	...	...	17	50.44	7.39	May	1.17	Oct.	...	153	...	...	...	...
Dam 13 O. R.	Ohio	655	...	...	...	...	...	...	17	43.42	7.70	Mar.	0.67	Oct.	...	141	...	...	...	...
Dam 15 Mon. R.	Monongalia	882	...	...	...	...	...	...	11	44.82	7.05	May	1.17	Oct.	14.0	157	...	...	...	...
Davis	Tucker	3,093	...	...	...	...	...	...	23	65.65	11.19	May	1.51	June	98.9	172	...	...	...	...
Elizabeth	Wirt	615	...	...	...	...	...	...	8	50.88	7.35	Mar.	1.09	Oct.	18.7	148	...	...	...	...
Elkins	Randolph	1,947	33	51.8	93	June 9	−4	Feb. 9	33	56.57	9.18	May	1.99	Oct.	38.1	192	58	116	191	w.
Fairmont	Marion	883	28	54.9	101	June 8	−2	Feb. 10	41	48.60	7.23	May	1.30	Oct.	30.2	152	140	87	138	w.
Glenville	Gilmer	738	40	57.2	102	July 23	−4	Feb. 10	46	56.97	7.86	Aug.	2.47	Oct.	14.5	155	157	92	116	w.
Grafton	Taylor	1,000	41	54.9	98	June 8†	−5	Feb. 12	41	50.47	7.25	May	1.60	June	...	129	...	...	...	...
Horner	Lewis	1,044	...	...	...	...	...	...	10	56.71	10.17	May	2.37	Jan.	...	136	...	...	...	...
Horton	Randolph	2,840	...	...	...	...	...	...	7	...	8.47	May	1.74	Oct.	...	...	...	...	...	...
Janelew(near)	Lewis	1,020	10	55.4	97	June 9†	−5	Feb. 12	10	53.19	9.77	May	2.06	Nov.	...	112	175	80	110	nw.
Lost Creek	Harrison	1,026	36	54.0	100	June 8†	−9	Feb. 12	36	49.46	6.55	Mar.	1.82	Oct.	18.5	139	148	73	144	w.
Mannington	Marion	985	31	53.0	92	June 8†	−9	Feb. 12	31	54.25	7.76	Mar.	1.27	Oct.	28.7	176	130	100	135	w.
Morgantown	Monongalia	1,250	41	54.7	98	June 10	−4	Feb. 9	59	53.46	9.84	May	0.79	Oct.	15.0	145	145	109	111	sw.
New Cumberland	Hancock	671	36	52.9	99	June 8†	−2	Feb. 9†	36	36.47	5.54	Sept.	0.76	Oct.	17.8	162	118	82	165	s.
New Martinsville	Wetzel	634	40	56.6	104	July 23	−1	Feb. 9	40	45.22	8.13	Mar.	0.83	Oct.	9.2	116	139	90	136	s.
Parkersburg	Wood	638	45	56.1	98	June 8	−2	Feb. 9	45	41.07	7.50	May	0.51	Oct.	14.6	139	107	115	143	se.
Parsons	Tucker	1,649	34	...	96	June 8†	−3	Feb. 9	34	51.73	10.20	May	1.47	Nov.	21.5	...	108[a]	111	146	...
Philippi	Barbour	1,550	...	...	...	...	...	...	40	49.14	6.95	May	2.05	June	17.8	145	...	...	...	...
Pickens	Randolph	2,697	31	50.8	92	June 8†	−9	Feb. 9	43	82.89	11.59	Mar.	3.78	June	115.0	167	167	83	115[b]	w.
Roanoke	Lewis	1,050	...	...	...	...	...	...	10	51.04	8.75	May	1.79	Oct.	27.0	142	172	44	149	...
Rowlesburg	Preston	1,375	...	...	...	...	...	...	48	55.14	7.44	May	2.14	June	...	174	...	...	...	...
Saint Marys	Pleasants	577	...	...	...	...	...	...	24	46.60	6.91	May	0.76	Oct.	...	158	...	...	...	...
Terra Alta	Preston	2,559	34	...	91	July 23	−8	Feb. 9†	34	...	...	...	...	...	...	...	...	...	...	...
Thomas	Tucker	1,112	...	...	...	...	...	...	5	57.58	7.98	May	2.20	June	66.0	158	...	...	...	...
Valley Chapel	Lewis	1,011	10	55.0	97	July 23	−3	Feb. 9†	10	51.94	8.45	May	0.76	June	15.4	154	155	66	144	w.
Vandalia	Lewis	1,120	...	...	...	...	...	...	11	54.32	8.99	May	1.71	Oct.	...	122	...	...	...	...
Wellsburg	Brooke	668	33	53.1	100	June 8†	−5	Feb. 12	41	46.18	7.01	Mar	1.11	Oct.	13.5	120	153	93	119	...
West Milford	Harrison	979	...	...	...	...	...	...	9	49.68	6.12	May	1.90	Oct. ‡	...	109	...	...	...	...
Weston	Lewis	1,026	38	56.5	99	July 23	−5	Feb. 9	44	54.26	10.08	May	1.71	June	...	170	49	214	102	...
Wheeling (Dam 12)	Ohio	645	47	...	104	June 8	−5	Feb. 10	49	41.75	6.64	Mar.	0.63	Oct.	20.0	136	...	...	...	...
Woodlands	Marshall	637	...	...	...	...	...	...	7	43.57	6.76	Mar.	0.82	Oct.	12.2	153	142	78	145	sw.
Southern Division																				
Arbovale	Pocahontas	2,734	...	...	...	...	...	...	9	41.93	7.47	July	1.41	Oct.	31.2	147	157	98	110	w.
Bancroft	Putnam	574	30	56.8	99	July 23	−3	Feb. 9	30	43.21	6.69	July	1.00	Nov.	...	102	163	12	190	sw.
Beckley	Raleigh	2,440	32	...	94	July 23	−9	Feb. 9	32	51.69	7.29	July	2.04	Sept.	11.8	187	119	142	104	...
Bluefield	Mercer	2,563	38	55.4	93	June 8†	−5	Feb. 9	38	35.48	4.64	July	0.82	Oct.	...	136	...	...	...	...
Charleston	Kanawha	600	30	57.8	99	July 23	2	Feb. 9	48	49.12	6.73	July	1.48	Nov.	...	132	133	15	217	...
Clay	Clay	706	...	...	...	...	...	...	17	50.24	6.69	Aug.	1.81	Oct.	11.3	163	...	...	...	...
Dam 6 G. K.	Kanawha	598	...	...	...	...	...	...	7	45.87	8.38	July	1.32	Nov.	...	121	...	...	...	...
Dam 19 O. R.	Wood	600	...	...	...	...	...	...	16	44.46	9.84	Aug.	0.56	Oct.	...	149	...	...	...	...
Dam 20 O. R.	Wood	600	...	...	...	...	...	...	16	44.33	7.38	Mar.	0.69	June	...	128	...	...	...	...
Dam 25 O. R.	Mason	565	...	...	...	...	...	...	7	41.89	6.21	May	0.83	Oct.	...	128	...	...	...	...
Dam 26 O. R.	Mason	564	...	...	...	...	...	...	17	46.84	6.69	Mar.	0.89	Nov.	...	134	...	...	...	...
Durbin	Pocahontas	2,724	...	...	...	...	...	...	2	48.81	7.06	Aug.	1.82	Nov.	...	90	...	...	...	...
Gary	McDowell	1,426	15	56.1	96	July 24	−3	Feb. 9†	16	43.85	7.82	July	1.41	Nov.	...	155	...	...	...	...
Hinton	Summers	1,431	38	56.7	101	July 23	1	Feb. 9	38	34.98	4.32	Mar.	1.31	Oct.	...	150	178	79	108	...
Huntington	Cabell	538	38	59.0	101	July 23	0	Feb. 9	39	51.84	8.44	July	0.96	Oct.	6.2	133	105	155	105	w.
Kanawha Falls	Fayette	618	...	...	...	...	...	...	16	51.48	6.79	Mar.	0.63	Nov.	...	111	...	...	...	...
Kayford	Kanawha	1,335	...	...	...	...	...	...	16	52.28	7.31	July	1.49	Nov.	23.3	148	...	...	...	...
Kingston	Fayette	1,481	...	...	...	...	...	...	4	45.45	5.99	July	1.10	June	...	80	...	...	...	...
Lewisburg	Greenbrier	2,250	34	53.4	96	June 9	−2	Feb. 9	39	39.20	7.26	July	0.78	Oct.	13.0	85	176	78	111	...
Logan	Logan	700	...	...	...	...	...	...	29	48.82	8.12	May	1.57	Nov.	...	120	...	...	...	...
Madison	Boone	675	13	56.6	100	July 23	1	Feb. 9	39	46.29	5.41	May	1.88	Nov	...	126	201	63	101[a]	...
Marlinton	Pocahontas	2,131	34	48.7	92	June 8	−4	Feb. 5†	34	48.75	6.68	July	1.99	Oct.	23.0	141	81	218	66	sw.
Point Pleasant	Mason	595	40	56.8	101	July 23	0	Feb. 12†	43	51.12	6.73	May	0.82	Oct.	8.6	141	139	106	120	w.
Rainelle	Greenbrier	2,424	4	50.9	92	June 8†	−7	Feb. 6†	4	53.90	7.54	July	1.77	Oct.	49.0	185	162	54[a]	149	...
Ravenswood(Dam 22)	Jackson	584	10	56.5	102	July 23	−3	Feb. 10	18	42.61	7.72	Aug.	0.90	Oct.	...	127	132	20	213	sw.
Richwood	Nicholas	2,193	4	53.3	99	June 9	−3	Feb. 9	4	64.16	8.47	July	2.21	Oct.	61.0	197	140	31	194	nw.
Robertsburg	Putnam	570	33	54.9	101	June 8†	−2	Feb. 9†	33	44.08	5.95	Jan.	1.16	Oct.	...	133	206	0	159	...
Ryan	Roane	700	30	53.3	99	July 23	−8	Feb. 9	30	48.06	8.00	May	1.26	Oct.	14.5	155	148	93	124	...
Sharples	Logan	889	...	...	...	...	...	...	13	46.47*	6.54	May	1.28	Aug.	...	...	...	...	...	...
Spencer	Roane	784	28	55.7	100	June 29†	−2	Feb. 9	35	55.90	8.76	Aug.	1.65	Nov.	14.0	133	132	110	123	...
Sutton	Braxton	850	29	56.2	98	June 8†	−1	Feb. 9	29	57.63	8.70	Aug.	1.75	June	38.0	132	210	18	137	...
Union	Monroe	2,250	29	53.4	98	Sept. 9	−4	Feb. 9	29	34.18	5.61	July	0.67	Sept.	15.1	81	...	...	...	...
Wayne	Wayne	598	...	...	...	...	...	...	8	43.60	7.02	May	1.23	Oct.	...	128	...	...	...	...
White Sulphur Springs	Greenbrier	1,914	23	51.7	96	July 2	−1	Feb. 8	23	35.82	5.80	July	1.05	Sept‡	...	93	257	27	81	...
Williamson	Mingo	660	33	58.1	101	June 7†	3	Feb. 9	33	44.88	7.61	May	1.45	Nov.	4.4	135	131	132	102	w.
State averages and	extremes	...	...	54.4	104	July 23	−12	Feb. 12	...	48.65	11.36	May	0.40	Oct.	24.2	136	147	93	125	w.

[a] 1 day interpolated from nearby stations, [b] 2 days, etc. † And other dates ‡ And other months * Partly interpolated

Monthly and Annual Mean Temperatures for the Year 1933, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	36.4	+8.0	31.5	+2.4	33.9	-4.3	47.8	+0.9	59.0	+2.6	64.8	+1.3	66.4	-1.0	65.7	-0.1	64.6	+3.9	49.3	+0.3	36.8	-2.0	35.9	+6.2	49.3	+1.5
Brandywine	40.7	+10.5	35.7	+3.8	39.0	-3.4	52.0	+2.2	65.6	+7.2	69.7	+2.8	71.2	+0.1	70.6	+0.7	69.6	+5.2	53.0	+3.1	41.0	-0.8	39.2	+5.7	53.9	+3.1
Kearneysville	40.4	....	34.8	....	40.0	....	52.8	....	65.2	....	72.3	....	74.0	....	73.4	....	70.0	....	53.3	....	42.9	....	35.6	....	54.6	....
Martinsburg	[a]40.6	+10.0	[a]35.4	+4.2	[a]40.2	-1.6	[a]54.1	+2.5	[a]65.9	+3.1	[a]73.8	+3.0	[a]76.8	+1.3	[a]75.4	+2.5	[a]70.0	+0.7	[a]53.0	-1.5	[a]41.6	-1.5	[a]35.8	+4.2	55.2	+2.2
McNeill	....	....	....	....	....	....	....	....	....	....	....	....	[c]72.7	-1.8	72.2	-1.2	70.0	+2.6	53.6	-2.0	42.1	-1.9	36.9	+2.7	....	....
Moorefield	42.5	+10.0	37.8	+3.8	[m]42.4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Piedmont	38.4	+8.4	32.8	-0.6	36.9	-5.0	52.4	+1.8	63.4	+3.4	70.6	+2.6	72.8	+0.8	72.5	+2.2	69.2	+3.9	52.6	-0.7	40.0	-1.9	34.6	+2.1	53.0	+1.4
Romney	39.2	+8.1	33.4	+0.2	[a]37.8	-4.9	[a]52.2	+0.4	[a]64.4	+1.5	[a]72.0	+2.2	[a]74.4	-0.4	[d]73.2	+0.6	....	....	54.0	-0.9	41.6	-1.4	36.3	+3.3	....	....
Upper Tract	[c]38.5	+6.1	[a]35.9	+2.8	[b]38.4	-4.4	[i]50.2	-0.8	[l]60.7	+0.3	[b]65.4	-2.2	[a]68.0	-3.5	[b]67.4	-2.8	[b]66.7	+2.4	[b]50.3	-4.2	[g]39.4	-4.4	[g]34.6	+0.9	51.3	-0.8
Wardensville	[g]39.6	....	35.4	....	[a]38.3	....	[b]53.1	....	[f]69.1	....	[i]67.8	....	70.4	....	[a]69.5	....	[b]68.2	....	[a]50.6	....	[a]40.7	....	[b]35.9	....	53.2	....
Northern Division																										
Alpena	35.6	....	30.6	....	34.4	....	47.2	....	59.4	....	63.6	....	65.2	....	64.3	....	63.8	....	[a]49.0	....	35.9	....	35.6	....	48.7	....
Benson	38.4	....	33.8	....	39.8	....	52.2	....	64.0	....	69.7	....	71.2	....	71.0	....	70.2	....	53.2	....	42.1	....	39.6	....	53.8	....
Bens Run	41.0	+8.6	35.8	+3.5	41.8	-2.0	54.9	+2.1	66.8	+3.9	76.0	+5.4	77.0	+2.1	74.8	+1.4	73.2	+5.0	55.8	-0.7	42.2	-1.6	38.2	+3.8	56.5	+2.6
Brownsville	40.6	....	35.8	....	41.8	....	54.2	....	65.8	....	72.2	....	73.2	....	72.1	....	70.5	....	54.3	....	42.4	....	40.7	....	55.3	....
Buckhannon	40.8	+8.7	33.6	+0.8	40.2	-1.9	52.8	+1.7	65.4	+4.2	69.6	+1.2	71.1	-0.6	69.8	-0.1	68.6	+4.2	53.1	-0.6	41.9	0.0	39.4	+5.6	53.9	+1.9
Cairo	40.8	+6.9	38.0	+4.3	42.0	-3.0	54.6	+0.3	66.2	+2.9	73.0	+2.6	73.0	-1.2	71.6	-0.9	71.2	+3.1	55.2	-0.5	43.0	-0.4	39.4	+5.0	55.7	+1.6
Clarksburg	38.7	+7.3	32.3	-1.6	39.6	-1.1	52.4	+1.0	65.0	+5.0	72.0	+2.9	73.3	-0.1	71.6	-0.4	70.1	+2.8	52.2	-0.8	40.3	-2.0	37.2	+2.6	53.7	+1.3
Creston	39.7	+6.0	34.3	0.0	41.6	-2.8	54.2	+0.7	66.2	+3.0	73.0	+2.4	73.8	-0.9	72.4	-0.8	71.4	+3.7	53.4	-2.3	41.6	-2.4	39.2	+4.1	55.1	+0.9
Elkins	38.6	+8.2	32.8	+1.2	37.6	-2.4	50.1	+1.3	62.6	+3.4	67.6	+0.7	69.4	-0.9	67.9	-1.2	67.0	+4.0	50.4	-1.9	39.2	-1.1	38.2	+5.5	51.8	+1.4
Fairmont	39.4	+7.7	34.0	+1.4	[a]39.6	-2.3	54.6	+2.8	66.5	+4.6	[a]74.0	+3.9	[a]75.4	+1.4	73.4	+0.9	70.5	+3.3	51.8	-3.1	40.8	-1.8	38.5	+4.9	54.9	+2.0
Glenville	42.0	+8.5	36.8	+2.5	43.2	-1.7	55.2	+1.3	66.7	+3.2	74.4	+3.4	76.7	+1.5	74.8	+0.9	73.7	+5.4	56.2	+0.2	44.7	+0.7	41.4	+5.8	57.2	+2.6
Grafton	39.3	+7.1	34.7	+2.5	40.2	-1.5	53.8	+2.2	65.0	+4.0	72.0	+2.9	73.6	+1.1	72.0	+0.6	71.0	+4.6	55.0	-0.1	42.8	0.0	39.5	+5.7	54.9	+2.4
Janelew	40.6	....	36.6	....	41.6	....	53.9	....	66.1	....	72.9	....	73.6	....	72.4	....	71.4	....	54.2	....	42.3	....	39.2	....	55.4	....
Lost Creek	39.0	+6.4	33.6	+1.2	40.2	-2.6	52.6	+2.0	64.2	+3.8	71.2	+3.4	72.6	+0.5	71.2	+0.5	70.4	+5.1	53.4	-0.8	41.7	-0.7	38.0	+3.8	54.0	+1.9
Mannington	38.8	+7.4	33.6	+1.1	39.6	-3.2	52.5	+1.3	63.8	+3.4	69.7	+1.8	71.1	-0.6	70.0	-0.2	68.0	+3.2	51.7	-1.9	40.4	-1.3	37.2	+3.9	53.0	+1.2
Morgantown	39.6	+7.6	35.6	+3.1	39.0	-3.4	53.4	+1.6	64.2	+2.0	72.8	+3.5	72.4	-1.0	72.2	+0.2	69.4	+2.0	57.2	+2.0	42.2	-1.4	38.2	+4.1	54.7	+1.7
New Cumberland	[a]37.5	+9.3	[a]31.0	+2.2	37.6	-2.1	51.5	+2.2	[a]64.2	+4.0	73.0	+5.0	74.4	+1.6	72.0	+1.3	68.4	+3.1	52.1	-1.8	39.4	-2.0	33.9	+2.5	52.9	+2.1
New Martinsville	41.8	+9.1	36.5	+3.3	42.6	-1.0	55.3	+2.1	66.9	+3.9	76.1	+5.0	76.9	+1.8	74.8	+1.2	72.4	+3.9	55.4	-2.3	42.4	-2.2	38.1	+3.0	56.6	+2.3
Parkersburg	41.6	+9.1	35.5	+1.3	42.2	-0.6	54.3	+0.9	67.0	+3.2	75.2	+3.8	75.2	-0.2	73.6	-0.3	71.8	+4.5	55.0	-1.1	42.7	-1.1	38.8	+3.6	56.1	+1.9
Parsons	....	....	34.0	+2.8	38.8	-1.5	53.2	+4.0	63.6	+4.9	70.3	+3.5	71.6	+1.0	69.9	+0.6	[c]69.2	+5.7	53.6	+2.1	[e]42.2	+1.0	[a]39.0	+6.9	....	....
Pickens	36.8	+6.1	31.0	-0.7	[a]36.8	-2.7	[a]50.0	+1.8	[a]61.5	+4.4	67.4	+2.5	68.0	-0.4	66.4	-0.1	66.2	+4.5	[a]50.8	-0.8	37.5	-2.7	37.2	+5.3	50.8	+1.4
Terra Alta	33.2	+5.6	28.1	-0.4	....	....	[k]47.4	+0.5	59.6	+2.1	67.0	+2.3	[a]66.8	+0.6	65.6	-1.3	....	....	....	....	....	....	....	....	....	....
Valley Chapel	38.8	....	34.8	....	42.0	....	54.1	....	65.2	....	72.1	....	73.2	....	72.2	....	71.2	....	54.8	....	41.2	....	40.2	....	55.0	....
Wellsburg	38.6	+8.8	33.0	+3.5	39.4	-0.6	50.4	+0.8	62.2	+2.1	71.9	+4.0	72.5	+0.5	71.6	+1.4	68.8	+4.2	52.4	-1.0	40.0	-1.6	36.0	+4.1	53.1	+2.2
Weston	42.6	+8.9	37.3	+3.8	41.8	-2.3	54.0	+1.2	65.9	+3.2	74.0	+3.6	75.3	+1.1	73.8	+1.2	71.8	+4.7	56.6	+1.2	44.6	+0.8	40.8	+5.2	56.5	+2.7
Wheeling	[a]37.9	+7.9	[a]32.6	+0.8	[c]37.9	-3.2	53.2	+1.4	[i]66.0	+4.2	74.4	+3.9	....	....	74.6	+1.8	....	....	53.0	-1.8	39.6	-2.4	34.6	+2.3	....	....
Southern Division																										
Bancroft	[a]38.3	+4.4	32.2	-2.5	[a]42.1	-2.3	56.6	+3.1	68.8	+5.9	74.8	+4.2	75.8	+1.4	75.0	+2.0	74.5	+6.3	56.0	-0.6	44.5	0.0	42.8	+7.6	56.8	+2.5
Beckley	39.4	+6.9	35.4	+1.4	41.8	-1.1	....	....	62.2	+2.4	65.6	....	70.0	-3.8	69.1	-3.1	68.8	+2.7	52.8	-2.9	41.0	-1.9	41.1	+7.4	....	....
Bluefield	[e]42.8	+8.2	[c]36.9	+2.5	[d]42.4	-2.4	[c]52.8	-0.8	[c]65.8	+4.1	[d]69.4	-0.7	[g]71.2	-0.3	[d]70.4	-0.1	[j]71.0	+4.9	[c]54.9	-0.8	[f]43.4	-1.3	[g]43.2	+6.7	55.4	+1.7
Charleston	[f]45.0	+7.4	[e]38.0	-0.9	[e]44.9	-3.1	[e]57.2	+0.9	[e]69.9	+4.5	[e]75.0	+2.1	[f]75.8	-0.9	[d]74.4	-0.8	[f]73.0	+2.7	[e]56.1	-2.7	[e]43.1	-4.6	[f]40.6	+1.2	57.8	+0.5
Gary	41.3	+7.1	36.1	-1.2	43.2	-0.1	54.1	+0.5	67.6	+6.6	71.9	+2.9	73.6	+1.0	72.9	+1.1	71.9	+3.5	54.8	-0.7	43.0	-1.3	43.2	+6.2	56.1	+2.1
Hinton	40.6	+6.4	35.6	+0.4	43.3	-1.2	54.8	+1.6	68.6	+5.2	73.7	+3.3	75.5	+1.3	74.2	+1.0	73.6	+5.5	56.5	-0.5	43.0	-0.8	40.8	+5.3	56.7	+2.3
Huntington	44.3	+11.1	39.4	+5.5	45.6	+0.6	56.6	+0.2	69.8	+5.1	77.0	+4.2	77.4	+1.0	75.8	+1.2	75.3	+6.6	58.0	+2.0	45.6	-1.7	43.4	+8.7	59.0	+3.7
Lewisburg	38.1	+6.1	33.8	+0.8	40.3	-2.0	51.3	+0.7	64.2	+4.1	68.9	+1.7	70.2	-0.7	69.4	0.0	69.3	+4.9	[d]54.4	+1.2	41.1	-0.6	40.0	+6.8	53.4	+1.9
Madison	40.8	+4.2	35.6	+2.0	[a]44.2	+1.5	55.0	+0.7	67.8	+4.0	74.6	+2.3	75.0	+0.3	73.8	-0.5	73.3	+5.7	55.4	0.0	42.0	-1.8	41.2	+6.4	56.6	+2.1
Marlinton	34.0	+6.3	33.0	+1.3	34.4	-3.9	46.7	-0.2	60.6	+3.5	64.9	+0.6	66.0	-1.6	65.1	-1.2	64.0	+2.8	46.8	-2.8	35.3	-2.2	33.6	+4.4	48.7	+0.6
Point Pleasant	42.4	+8.7	36.6	+3.6	43.5	-2.1	55.2	+0.3	67.6	+2.8	75.4	+3.0	75.8	-0.5	73.6	-1.2	73.4	+4.0	55.8	-1.4	43.1	-2.2	39.6	+4.1	56.8	+1.6
Rainelle	37.4	....	31.8	....	39.0	....	49.5	....	61.6	....	65.4	....	67.5	....	[a]66.6	....	66.2	....	50.2	....	37.6	....	37.8	....	50.9	....
Ravenswood (Dam 22)	42.0	+8.3	34.8	-3.2	42.7	-1.6	55.0	+1.1	67.2	+5.6	74.5	+4.5	75.5	+1.1	73.6	+0.9	72.7	+3.7	56.1	+0.5	43.3	-1.9	40.8	+3.3	56.5	+1.9
Richwood	39.8	....	33.9	....	39.8	....	51.4	....	63.3	....	68.8	....	70.8	....	69.2	....	68.4	....	53.5	....	40.2	....	40.6	....	53.3	....
Robertsburg	40.5	+7.6	34.0	+0.2	42.0	-2.4	51.7	-1.4	65.2	+1.9	73.7	+2.6	74.4	-0.9	73.4	-0.5	70.6	+2.1	52.0	-4.6	42.6	-0.8	[a]39.0	+4.6	54.9	+0.7
Ryan	40.2	+7.5	32.8	-1.3	41.0	-2.3	50.4	-1.8	62.8	+1.4	70.2	+1.3	71.1	-1.9	71.0	-0.7	71.0	+6.7	52.6	+0.2	39.6	-3.6	36.4	+2.2	53.3	+0.6
Spencer	41.2	+7.9	35.0	+0.2	41.6	-1.7	53.6	+0.9	67.2	+3.0	73.6	+4.0	74.2	+0.8	72.7	+0.5	72.0	+5.7	54.7	-0.1	41.8	-2.0	40.4	+4.1	55.7	+1.9
Sutton	42.2	+8.4	36.4	+0.7	42.4	+0.7	53.3	+0.5	66.2	+2.9	73.3	+2.0	74.2	-0.6	72.8	-0.5	73.1	+4.5	55.4	-1.2	43.2	-0.6	41.6	+6.9	56.2	+2.0
Union	[c]39.6	+6.6	[d]35.5	+0.7	[d]41.0	-2.9	[c]52.2	+0.4	[i]64.6	+3.7	[d]68.8	+1.0	[e]70.4	-1.0	[d]69.0	-1.2	[d]69.5	+3.5	[e]51.2	-3.0	[d]40.8	-1.4	[e]38.2	+4.6	53.4	+0.9
White Sulphur Springs	36.6	+5.0	31.4	-4.0	38.6	-4.9	50.0	-1.6	64.4	+3.7	68.2	+0.2	70.0	-1.4	68.9	-1.5	67.0	+2.1	[a]50.4	-1.9	[a]38.2	-3.8	36.3	+6.0	51.7	-0.2
Williamson	42.3	+6.7	37.0	0.0	45.0	-2.1	56.0	+0.5	70.2	+5.2	76.6	+4.1	76.7	+0.8	75.5	+0.8	73.8	+4.2	56.0	-1.7	44.2	-1.3	43.8	+6.6	58.1	+2.0

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

KILLING FROSTS

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Alpena	April 28	Oct. 11	McNeill	....	Oct. 19
Bancroft	Mar. 30	Oct. 26	Moorefield	April 28	....
Bayard	April 28	Oct. 3	Morgantown	April 27	Oct. 26
Beckley	April 28	Oct. 14	New Cumberland	April 28	Oct. 14
Benson	April 27	Oct. 14	New Martinsville	April 28	Oct. 26
Bens Run	April 23	Oct. 26	Parkersburg	April 24	Oct. 14
Bluefield	April 13	Oct. 11	Parsons	April 28	Oct. 25
Brandywine	April 28	Oct. 6	Pickens	April 28	Oct. 14
Brownsville	April 28	Oct. 26	Piedmont	April 28	Oct. 26
Buckhannon	April 28	Oct. 14	Point Pleasant	April 8	Oct. 14
Cairo	April 28	Oct. 14	Rainelle	April 28	Oct. 14
Charleston	Mar. 30	Oct. 26	Ravenswood	April 27	Oct. 19
Clarksburg	April 27	Oct. 26	Richwood	April 28	Oct. 26
Creston	April 28	Oct. 14	Robertsburg	April 28	Oct. 14
Elkins	April 13	Oct. 19	Romney	April 27	Oct. 26
Fairmont	April 27	Oct. 14	Ryan	April 28	Oct. 11
Gary	April 27	Oct. 26	Spencer	April 27	Oct. 14
Glenville	April 27	Oct. 26	Sutton	April 27	Oct. 26
Grafton	April 28	Oct. 19	Terra Alta	April 28	....
Hinton	April 27	Oct. 26	Union	April 28	Oct. 14
Huntington	April 8	Oct. 26	Upper Tract	April 28	Oct. 19
Janelew	April 27	Oct. 15	Valley Chapel	April 27	Oct. 26
Kearneysville	April 27	Oct. 26	Wardensville	April 27	Oct. 18
Lewisburg	April 27	Oct. 26	Wellsburg	April 27	Oct. 14
Lost Creek	April 27	Oct. 14	Weston	April 27	Oct. 26
Madison	April 26	Oct. 25	Wheeling (Dam 12)	April 28	Oct. 19
Mannington	April 28	Oct. 14	White Sulphur Spgs.	April 28	Oct. 19
Marlinton	April 28	Oct. 19	Williamson	Mar. 30	Oct. 26
Martinsburg	April 27	Oct. 14			

TEMPERATURE AND PRECIPITATION DATA FOR 1933

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January	39.8	+7.3	79	1	3.73	+0.11	1.2	12	12	6	13	sw.
February	34.5	+1.1	77	-12	3.13	-0.04	5.8	11	12	5	11	w.
March	40.5	-1.8	80	-4	5.92	+2.05	5.1	15	8	6	17	w.
April	52.8	+1.0	91	19	4.08	+0.55	0.2	13	13	7	10	w.
May	65.1	+3.4	97	34	6.99	+2.98	0	18	8	10	13	w.
June	71.4	+1.9	104	28	2.75	-1.62	0	7	18	9	3	w.
July	72.6	-0.4	104	36	5.21	+0.64	0	10	15	9	7	w.
August	71.5	-0.1	102	38	5.38	+1.39	0	11	13	10	8	w.
September	70.3	+3.9	98	35	3.71	+0.81	0	10	14	9	7	w.
October	53.6	-1.0	91	13	1.67	-1.15	T.	6	16	9	6	w.
November	41.4	-1.8	88	-5	1.98	-0.77	6.6	11	9	6	15	w.
December	38.7	+4.0	78	-5	4.10	+0.74	5.3	12	9	7	15	w.
Annual	54.4	+1.5	104	-12	48.65	+5.77	24.2	136	147	93	125	w.

Monthly and Annual Precipitation for the Year 1933, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	2.74	−2.46	3.07	−0.87	6.56	+1.92	5.62	+1.32	7.13	+2.41	5.51	−0.21	4.90	−0.13	8.53	+3.49	4.70	+0.90	2.36	−1.55	2.50	−0.81	3.38	−0.98	57.00	+ 3.03
Brandywine	2.25	+0.18	1.40	−0.39	2.40	−0.07	4.20	+1.05	4.00	+1.40	1.05	−2.34	5.30	+1.95	5.05	+1.91	0.95	−1.48	1.10	−1.13	1.10	−0.81	1.60	−0.17	30.40	+ 0.10
Circleville	2.65	......	2.48	......	3.90	......	4.15	......	6.52	......	2.76	......	8.21	......	6.74	......	2.40	......	1.42	......	1.88	......	2.63	......	45.74	......
Harpers Ferry	3.12	+0.52	1.38	−1.03	3.46	+0.52	3.71	+0.57	3.50	−0.12	2.22	−1.45	3.39	0.00	5.64	+1.85	3.98	+1.23	2.72	−0.32	0.61	−1.64	1.43	−1.08	35.16	− 0.95
Kearneysville	2.96	......	1.82	......	4.40	......	3.76	......	4.01	......	2.63	......	3.85	......	7.24	......	2.44	......	2.51	......	0.84	......	1.78	......	38.24	......
Martinsburg	3.22	+0.69	1.98	−0.53	4.51	+1.33	4.83	+1.64	5.32	+1.60	3.56	−0.72	3.75	+0.14	6.40	+2.63	3.59	+0.74	2.40	−0.50	0.79	−1.48	2.30	−0.40	42.65	+ 5.14
McNeill	......	......	......	......	......	......	......	......	......	......	......	......	......	......	7.75	+4.70	3.77	+1.20	1.27	−1.00	1.13	−0.50	1.75	−0.35	......	......
Moorefield	2.35	+0.01	1.19	−1.09	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Piedmont	2.58	+0.12	1.54	−0.94	4.82	+1.95	5.77	+2.17	6.85	+3.75	3.02	−0.62	3.42	0.00	5.29	+1.90	2.71	+0.45	1.22	−1.54	1.35	−0.72	3.63	+1.36	42.20	+ 7.88
Romney	2.50	+0.07	0.96	−1.23	4.69	+1.88	5.59	+2.63	5.21	+1.71	1.99	−1.94	4.41	+1.01	5.80	+2.13	*3.88	+1.13	1.31	−1.25	1.02	−0.84	2.21	−0.09	39.57	+ 5.21
Stony River Dam	2.19	−0.60	2.61	−0.22	5.84	+2.71	5.97	+1.99	7.32	+2.92	2.70	−1.56	6.57	+2.38	7.23	+2.64	4.39	+1.64	1.43	−1.67	3.18	+0.09	3.18	−0.16	52.61	+10.16
Upper Tract	1.15	−1.02	*1.40	−0.23	1.59	−0.53	5.85	+3.52	5.40	+2.61	1.45	−2.02	4.50	+1.11	3.00	−0.19	1.15	−1.18	0.40	−1.73	0.52	−0.98	0.87	−0.93	27.28	− 1.57
Wardensville	3.14	+1.51	1.13	−0.58	2.68	+0.48	4.61	+2.01	6.24	+3.02	1.90	−1.01	6.77	+3.39	7.01	+2.35	5.36	+2.54	1.14	−1.86	0.59	−1.04	1.32	−0.24	41.89	+10.57
Northern Division																										
Aberdeen	3.31	......	3.14	......	6.12	......	3.92	......	9.88	......	1.63	......	5.52	......	7.23	......	4.63	......	2.42	......	1.92	......	5.01	......	54.73	......
Alma	2.83	......	2.37	......	6.77	......	4.93	......	6.65	......	1.58	......	5.45	......	5.67	......	5.25	......	1.25	......	2.00	......	4.04	......	48.79	......
Alpena	3.05	......	4.75	......	7.08	......	4.53	......	11.16	......	3.71	......	6.17	......	7.22	......	6.64	......	3.12	......	3.83	......	4.57	......	65.83	......
Benson	3.58	......	3.11	......	6.56	......	4.75	......	7.03	......	0.52	......	5.15	......	4.94	......	4.93		2.03	......	2.10	......	4.22	......	48.92	......
Bens Run	3.33	−0.72	2.47	−0.71	6.01	+2.01	3.85	+0.09	5.24	+1.09	2.55	−1.72	4.36	−0.25	4.25	−0.01	1.90	−0.64	0.86	−2.18	2.09	−0.81	4.35	+0.73	41.29	− 3.12
Brownsville	2.59	......	2.94	......	5.52	......	4.59	......	9.40	......	4.91	......	6.26	......	5.21	......	3.61	......	2.27	......	3.32	......	4.82	......	55.44	......
Bruceton Mills	2.78	−2.16	2.96	−0.80	9.03	+5.33	3.94	+0.10	9.18	+5.34	2.90	−2.35	4.13	−0.90	5.52	+0.69	4.29	+0.42	1.68	−2.58	3.26	+0.08	5.35	+2.19	55.03	+ 5.36
Buckhannon	3.06	−1.28	3.46	−0.46	6.25	+1.77	4.42	+0.16	11.36	+6.79	1.72	−3.33	5.04	−0.01	5.91	+1.86	4.33	+1.18	1.86	−1.42	3.48	−0.01	5.10	+1.02	55.99	+ 6.27
Cairo	3.94	−0.26	3.49	+0.22	7.48	+3.52	4.26	+0.73	8.21	+4.76	4.24	−0.62	4.63	−0.01	7.25	+3.44	3.49	+0.43	1.54	−1.42	2.01	−0.83	4.46	+0.72	55.00	+10.68
Clarksburg	2.86	−0.51	2.36	−0.87	6.16	+3.24	4.19	+0.72	7.08	+3.41	2.63	−1.56	4.46	+0.89	5.24	+1.08	4.61	+0.81	1.27	−2.09	2.06	−1.14	4.04	+0.99	46.96	+ 4.97
Crawford	3.49	......	2.88	......	6.26	......	4.39	......	10.33	......	2.41	......	8.52	......	5.72	......	4.72	......	1.91	......	2.87	......	5.32	......	58.82	......
Creston	5.49	+1.68	3.33	+0.21	7.30	+3.44	4.44	+0.59	6.78	+2.90	2.29	−1.98	6.26	+2.07	5.09	+1.20	2.62	+0.01	1.98	−1.22	2.11	−0.68	5.17	+1.74	52.86	+ 9.96
Dam 10, Mon. R.	3.26	+0.07	2.06	−0.81	6.81	+3.04	5.31	+1.83	7.39	+3.22	3.59	−0.69	3.94	−0.13	5.57	+1.38	5.66	+1.98	1.17	−1.84	2.09	−0.98	3.59	+0.16	50.44	+ 7.33
Dam 12, O. R.	2.61	−0.47	1.67	−0.76	6.64	+3.24	2.64	−0.52	5.54	+2.20	4.24	+0.34	4.57	+0.93	3.71	−0.28	3.95	+1.06	0.63	−2.00	1.58	−1.01	3.97	+0.96	41.75	+ 3.69
Dam 13, O. R.	2.95	−0.11	1.88	−0.57	7.70	+4.58	3.19	+0.04	5.85	+2.33	1.84	−1.77	3.21	−0.78	4.85	+0.90	5.08	+1.55	0.67	−2.31	1.89	−0.92	4.31	+1.46	43.42	+ 4.40
Dam 15, Mon. R.	3.39	+0.17	2.06	−0.92	6.42	+3.01	4.54	+1.25	7.05	+3.45	1.65	−2.15	2.97	−0.88	4.99	+0.79	5.08	+1.74	1.17	−1.91	1.72	−1.44	3.78	+0.60	44.82	+ 3.71
Davis	2.78	−2.41	5.32	+1.06	6.88	+2.43	5.33	+0.94	11.19	+6.62	1.51	−3.90	5.80	+0.59	7.65	+2.72	6.81	+2.93	2.68	−1.42	4.14	+0.82	5.56	+0.61	65.65	+10.99
Elizabeth	4.82	+0.76	2.98	+0.11	7.35	+3.62	3.89	+0.55	6.59	+3.06	2.95	−1.11	6.02	+1.55	6.58	+2.03	1.76	−1.03	1.09	−2.39	2.04	−0.83	4.81	+1.57	50.88	+ 7.89
Elkins	2.79	−0.99	3.35	+0.27	6.50	+2.50	4.01	+0.39	9.18	+5.13	5.02	−0.04	4.92	−0.46	5.71	+1.85	5.62	+2.47	1.99	−0.92	3.17	+0.39	4.51	+1.05	56.57	+11.64
Fairmont	3.39	−0.44	2.69	−0.43	7.21	+3.37	4.65	+1.31	7.23	+3.35	2.10	−2.32	3.56	−0.89	5.32	+1.59	4.91	+2.08	1.30	−1.63	2.32	−0.56	3.92	+0.54	48.60	+ 5.97
Glenville	4.89	+0.66	3.14	−0.60	6.74	+2.60	4.35	+0.56	7.62	+3.41	2.79	−1.70	5.40	+0.17	7.86	+3.79	3.89	+0.51	2.47	−0.68	2.72	−0.49	5.10	+1.35	56.97	+ 9.58
Grafton	3.47	−0.47	2.57	−0.61	7.01	+3.13	4.74	+1.01	7.25	+3.26	1.60	−2.90	5.22	+0.51	5.71	+1.76	3.73	+0.84	2.28	−0.89	2.12	−0.87	4.77	+1.34	50.47	+ 6.11
Horner	2.37	......	3.32	......	7.35	......	3.20	......	10.17	......	3.13	......	5.69	......	5.51	......	4.71	......	2.51	......	3.55	......	5.20	......	56.71	......
Horton	......	......	......	......	4.27	...	4.10	......	8.47	......	2.62	......	5.20	......	6.02	......	4.27	......	1.74	......	2.11	......	2.82	......	......	......
Janelew	2.55	......	3.15	......	6.18	......	3.55	......	9.77	......	2.35	......	5.96	......	5.66	......	4.45	......	2.71	......	2.06	......	4.80	......	53.19	......
Lost Creek	3.69	−0.25	2.68	−0.45	6.55	+2.67	3.82	+0.37	6.32	+2.15	2.64	−1.74	3.38	−1.26	6.23	+2.13	5.99	+2.96	1.82	−1.07	1.98	0.84	4.36	+0.84	49.46	+ 5.51
Mannington	3.52	−0.65	2.42	−0.53	7.76	+3.90	4.30	+0.46	6.99	+2.97	6.42	+2.20	3.80	−1.04	6.58	+2.50	4.54	+1.09	1.29	−1.85	2.49	−0.45	4.14	+0.63	54.25	+ 9.23
Morgantown	3.37	−0.32	1.97	−1.05	8.58	+5.06	5.69	+2.43	9.84	+6.24	2.19	−2.31	3.74	−1.06	5.30	+1.18	5.94	+2.82	0.79	−2.38	2.33	0.58	3.72	+0.68	53.46	+10.68
New Cumberland	2.62	−0.19	1.50	−0.99	5.24	+1.99	3.54	+0.23	4.57	+1.16	1.66	−3.01	3.25	−0.85	3.24	−0.12	5.54	+2.61	0.76	−2.02	1.67	−0.61	2.94	+0.19	36.47	− 1.61
New Martinsville	2.90	−0.80	2.98	−0.03	8.13	+4.48	3.69	+0.18	5.59	+1.93	1.90	−2.24	3.37	−1.31	4.47	+0.90	5.36	+2.50	0.83	−2.14	1.60	−1.28	4.40	+0.89	45.22	+ 3.08
Parkersburg	2.96	−0.61	1.92	−1.21	6.43	+2.94	3.47	+0.28	7.50	+4.12	1.24	−2.76	3.51	−0.78	6.17	+2.66	2.20	−0.56	0.51	−1.95	1.56	−1.01	3.60	+0.57	41.07	+ 1.69
Parsons	2.30	−2.29	2.25	−1.27	7.70	+3.58	4.85	+1.01	10.20	+6.20	4.02	−1.08	4.49	−0.58	6.35	+2.37	3.30	+0.13	2.00	−1.29	1.47	−1.49	2.80	−1.23	51.73	+ 4.06
Parsons (No. 2)	......	......	......	......	......	......	......	......	......	......	3.76	−1.34	5.29	+0.22	5.86	+1.88	6.13	+2.96	2.02	−1.27	2.99	+0.03	4.79	+0.76	......	......
Philippi	2.26	−1.86	3.27	−0.09	5.20	+1.13	4.76	+0.78	6.95	+2.62	2.05	−2.74	4.42	−0.61	4.67	+0.57	5.72	+2.30	2.66	−0.41	2.41	−0.64	4.77	+0.96	49.14	+ 2.01
Pickens	5.38	−1.05	7.87	+2.60	11.59	+5.71	6.34	+1.13	10.98	+5.58	3.78	−2.38	7.79	+1.47	7.30	+1.91	5.45	+1.50	4.31	+0.07	5.98	+1.73	6.12	+0.64	82.89	+18.71
Roanoke	3.46	......	2.71	......	5.97	......	3.28	......	8.75	......	3.15	......	6.22	......	5.93	......	3.04	......	1.79	......	1.93	......	4.81	......	51.04	......
Rowlesburg	2.79	−1.67	3.51	−0.04	7.31	+2.97	5.52	+1.40	7.44	+2.95	2.14	−2.86	3.81	−1.16	7.35	+3.20	4.57	+1.41	2.42	−0.78	2.95	−0.29	5.33	+1.34	55.14	+ 6.47
St. Marys	3.84	−0.28	3.02	−0.20	6.66	+2.93	4.10	+0.40	6.91	+3.31	1.82	−2.23	3.91	−0.37	4.80	+0.22	5.07	+2.19	0.76	−2.44	1.91	−1.10	3.80	+0.28	46.60	+ 2.71
Terra Alta	3.11	−1.91	3.15	−0.47	......	......	......	......	8.97	+4.07	4.48	−1.81	3.67	−1.62	6.75	+1.73	......	......	......	......	......	......	......	......	......	......
Thomas	3.23	......	3.81	......	6.42	......	5.83	......	7.98	......	2.20	......	2.91	......	8.52	......	6.93	......	2.74	......	3.31	......	4.60	......	57.58	......
Valley Chapel	4.08	......	2.93	......	5.91	......	3.70	......	8.45	......	0.76	......	5.27	......	5.51	......	5.52	......	1.69	......	2.84	......	5.28	......	51.94	......
Vandalia	3.13	......	2.65	......	6.95	......	3.83	......	8.99	......	3.09	......	6.57	......	5.14	......	4.66	......	1.71	......	2.97	......	4.63	......	54.32	......
Wellsburg	3.13	−0.22	2.24	−0.33	7.01	+3.72	3.79	+0.57	5.13	+1.60	2.19	−2.27	5.87	+1.53	4.07	+0.31	5.78	+2.70	1.11	−1.78	1.83	−0.69	4.03	+0.98	46.18	+ 6.12
West Milford	3.93	......	2.61	......	4.94	......	4.20	......	6.12	......	5.00	......	4.09	......	5.84	......	5.72	......	1.90	......	1.90	......	3.43	......	49.68	......
Weston	4.45	+0.39	3.59	−0.13	6.98	+2.73	4.37	+0.37	10.08	+5.82	1.71	−2.99	4.70	−0.28	4.89	+0.93	4.59	+1.62	1.85	−1.17	2.17	−1.14	4.88	+1.15	54.26	+ 7.30
Wheeling	2.71	−0.43	1.73	−0.84	6.90	+3.77	2.84	−0.31	4.68	+1.19	4.33	+0.49	......	......	3.58	+0.02	3.95	+1.06	0.63	−2.00	1.58	−1.01	3.97	+0.96	......	......
Woodlands	3.09	......	2.13	...	6.76	......	3.54	......	6.06	......	2.49	......	5.32	......	4.34	......	3.53	......	0.82	......	1.39	......	4.10	......	43.57	......
Southern Division																										
Arbovale	3.19	......	3.48	......	4.42	......	4.07	......	5.25	......	2.52	......	7.47	......	3.67	......	1.59	......	1.41	......	1.74	......	3.12	......	41.93	......
Bancroft	5.78	+1.71	2.58	−0.42	4.90	+1.12	2.77	−0.84	4.52	+0.51	3.18	−1.18	6.69	+2.52	5.54	+1.16	1.27	−1.66	1.11	−1.94	1.09	−1.68	3.87	+0.34	43.21	− 0.36
Beckley	4.69	+0.85	4.38	+1.40	4.57	+0.81	3.46	+0.04	6.96	+3.43	3.95	−0.35	7.29	+2.88	3.82	+0.49	2.04	−0.54	3.33	+0.39	2.28	−0.11	4.92	+1.71	51.69	+11.00
Bluefield	3.16	+0.08	3.86	+0.67	3.33	−0.07	2.61	−0.70	4.03	+0.65	2.99	−1.54	4.64	+0.23	3.79	−0.24	2.25	−0.32	0.82	−2.12	1.45	−0.86	2.55	−0.41	35.48	− 4.63
Charleston	6.41	+2.56	5.11	+1.59	5.69	+1.39	4.36	+0.63	5.70	+1.72	1.56	−2.42	6.73	+2.52	3.11	−1.37	3.54	+0.51	1.66	−1.26	1.48	1.83	3.77	+0.36	49.12	+ 4.40
Clay	5.75	+2.86	2.92	−0.33	5.56	+1.62	3.45	−0.12	5.81	+1.83	3.59	−0.73	5.65	+1.30	6.69	+2.06	2.32	−1.09	1.81	−1.48	2.92	−0.25	3.77	−0.05	50.24	+ 5.12
Dam 6 G. K.	4.91	......	2.89	......	4.77	......	3.10	......	5.84	......	1.78	......	8.38	......	4.13	......	2.79	......	1.85	......	1.32	......	4.11	......	45.87	......
Dam 19 O. R.	3.26	−0.22	2.18	−0.51	6.19	+2.41	3.91	+0.39	7.39	+3.38	1.18	−2.82	2.55	−1.57	9.84	+5.81	2.23	−1.07	0.56	−2.76	1.53	−1.91	3.64	+0.38	44.46	+ 1.51
Dam 20 O. R.	3.81	+0.35	2.52	−0.48	7.38	+3.57	2.94	−0.44	7.14	+3.50	0.69	−3.26	4.72	+1.04	5.32	+1.02	2.92	+0.04	0.74	−2.60	1.09	−2.17	5.06	+1.75	44.33	+ 2.32
Dam 25 O. R.	2.85	......	2.46	......	5.36	......	3.60	......	6.21	......	2.14	......	4.41	......	5.44	......	2.86	......	0.83	......	1.17	......	5.06	......	41.89	......
Dam 26 O. R.	6.34	+2.59	2.60	−0.04	6.69	+3.03	4.18	+0.90	6.32	+2.71	2.93	+0.28	4.37	+0.84	4.27	+0.83	1.62	−0.62	0.96	−1.75	0.89	−1.87	5.67	+2.54	46.84	+ 9.44
Durbin	3.88	......	4.35	......	5.36	......	3.04	......	4.65	......	3.87	......	6.62	......	7.06	......	2.15	......	2.04	......	1.82	......	3.97	......	48.81	......
Gary	3.49	−0.09	4.31	+0.95	3.62	+0.01	3.09	−0.37	7.20	+3.02	2.17	−2.68	7.82	+3.73	2.95	−1.86	2.11	−0.94	1.74	−1.52	1.41	−1.61	3.94	+0.54	43.85	− 0.82
Hinton	3.61	+0.53	4.04	+0.95	4.32	+0.45	2.44	−0.78	4.30	+0.68	2.75	−1.50	4.28	+0.33	2.28	−1.63	1.34	−1.32	1.31	−1.34	1.42	−0.92	2.89	−0.04	34.98	− 4.59
Huntington	4.72	+0.88	2.84	−0.32	4.41	+0.24	4.20	+0.67	8.15	+4.14	4.11	−0.01	8.44	+4.25	6.31	+2.54	1.91	−0.71	0.96	−1.66	1.61	−1.20	4.18	+0.65	51.84	+ 9.47
Kanawha Falls	6.26	+3.01	4.96	+2.48	6.79	+3.94	3.87	+0.23	5.97	+1.83	4.45	+0.37	5.68	+0.85	3.60	−1.05	3.11	+0.09	2.58	−0.74	0.63	−2.78	3.58	+0.15	51.48	+ 8.39
Kayford	4.02	−0.12	4.10	+0.77	6.46	+2.28	3.08	−0.93	6.07	+1.05	2.01	−3.39	7.31	+1.83	4.12	−1.08	4.57	+0.99	4.05	+0.24	1.49	−2.10	5.00	+1.02	52.28	+ 0.56
Kermit	4.76	......	5.16	......	6.13	......	4.45	......	8.14	......	1.58	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Kingston	4.63	......	4.74	......	5.84	......	3.22	......	5.88	......	1.10	......	5.99	......	3.10	......	2.40	......	2.00	......	1.85	......	4.70	......	45.45	......
Lewisburg	3.52	+0.22	4.10	+1.14	3.86	+0.21	2.80	−0.59	5.72	+2.28	1.87	−2.14	7.26	+3.29	4.10	+0.35	1.30	−1.43	0.78	−2.13	1.35	−1.11	2.54	+0.46	39.20	+ 0.55
Logan	5.19	+0.85	4.28	+0.71	5.86	+1.07	3.75	−0.61	8.12	+3.69	2.38	−2.57	3.94	−1.20	2.88	−1.15	3.34	+0.24	2.01	−0.84	1.57	−1.53	5.50	+1.33	48.82	− 0.01
Madison	5.40	+1.30	4.06	+0.83	5.24	+1.06	3.88	+0.04	5.41	+1.08	2.53	−1.63	5.07	−0.08	2.32	−1.56	3.62	−0.05	1.89	−0.54	1.88	−0.94	4.99	+2.08	46.29	+ 1.59
Marlinton	3.79	−0.21	3.50	+0.02	5.79	+1.53	4.11	+0.91	6.06	+2.06	3.58	−1.23	6.68	+1.56	4.19	−0.70	2.56	−0.48	1.99	−1.12	2.20	−0.85	4.00	+0.20	48.75	+ 1.69
Point Pleasant	4.68	+0.87	2.89	−0.53	5.72	+1.66	3.96	+0.66	6.73	+2.81	6.64	+2.50	3.42	−0.65	4.36	+1.02	4.46	+2.02	0.82	−1.92	1.66	−1.28	5.78	+2.42	51.12	+ 9.58
Rainelle	5.23	......	4.49	......	5.19	......	3.70	......	6.35	......	3.39	......	7.54	......	4.59	......	3.71	......	1.77	......	3.02	......	4.92	......	53.90	......
Ravenswood (Dam 22)	4.58	+0.81	2.46	−0.29	5.60	+1.85	4.02	+1.02	5.32	+1.77	2.92	−0.91	1.94	−2.18	7.72	+3.98	1.36	−1.12	0.90	−2.32	1.15	−1.79	4.64	+1.36	42.61	+ 2.18
Richwood	5.98	......	5.04	......	6.75	......	4.30	......	6.88	......	7.08	......	8.47	......	4.48	......	5.66	......	2.21	......	2.79	......	4.52	......	64.16	......
Robertsburg	5.95	+2.15	2.56	−0.49	4.26	+0.44	3.69	+0.18	5.22	+1.72	2.95	−0.89	3.69	+0.02	5.57	+2.09	1.99	−0.45	1.16	−1.62	1.59	−1.02	5.45	+2.01	44.08	+ 4.14
Ryan	5.93	+1.93	3.27	−0.11	5.30	+1.18	3.55	−0.27	8.00	+4.36	2.42	−2.12	3.93	−0.55	6.78	+2.72	1.26	−1.71	1.57	−1.80	1.51	−1.31	4.54	+1.07	48.06	+ 3.39
Sharples	3.68	+0.20	3.94	+0.96	5.68	+2.09	3.49	−0.29	6.54	+2.32	2.15	−2.64	5.33	+0.37	1.28	−3.41	6.08	+2.75	*1.50	−1.24	2.20	−1.27	4.60	+0.98	46.47	+ 0.82
Spencer	5.39	+1.35	3.47	+0.27	6.82	+3.01	3.81	+0.35	7.01	+3.35	3.59	−0.77	5.56	+1.42	8.76	+5.01	2.27	−0.69	2.02	−1.15	1.65	−1.03	5.55	+2.22	55.90	+13.34
Sutton	2.50	−2.25	4.20	+0.70	7.20	+3.11	4.95	+0.73	6.90	+2.29	1.75	−3.42	6.80	+1.25	8.70	+4.35	3.10	−0.42	2.40	−0.80	2.98	−0.53	6.15	+2.12	57.63	+ 7.13
Union	2.72	−0.62	4.87	+2.03	2.79	−0.64	2.58	−0.40	4.50	+1.69	3.28	−0.61	5.61	+1.68	2.46	−1.36	0.67	−1.89	1.21	−1.76	0.75	−1.61	2.74	−0.05	34.18	− 3.54
Wayne	5.34	......	3.21	......	5.14	......	3.83	......	7.02	......	1.43	......	6.71	......	1.62	......	3.30	......	1.23	......	1.36	......	3.41	......	43.60	......
White Sulphur Springs	3.10	+0.48	4.55	+1.62	4.40	+1.30	3.17	+0.18	4.85	+1.53	1.15	−2.62	5.80	+1.90	2.80	−0.78	1.05	−2.10	1.05	−1.81	1.45	−0.89	2.45	−0.63	35.82	− 1.82
Williamson	5.05	+1.07	4.66	+1.40	5.22	+0.85	4.04	+0.17	7.61	+3.46	2.25	−2.26	3.89	−0.47	1.46	−2.40	2.49	−0.55	1.73	−1.08	1.45	−1.48	5.03	+1.22	44.88	− 0.07

* Partly interpolated

(WBO, Cleveland, 3-14-34—1200)

1.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU
CHARLES F. MARVIN, Chief

CLIMATOLOGICAL DATA

JUN 28

WEST VIRGINIA SECTION

40

R. P. POWELL

Vol. XLII PARKERSBURG, W. VA., JANUARY, 1934 No. 1

GENERAL SUMMARY

The month was warmer and drier than normal, with more than the usual amount of sunshine. This was the fifth consecutive warm January. The temperature was continuously above the normal, except for a few short periods. A severe cold wave swept over the State on the evening of the 28th, and on the morning of the 29th, temperature readings ranged from zero to 15 degrees below in practically all sections. A fall in temperature of 51 degrees occurred at Parkersburg in 20 hours. Although the precipitation averaged well below the normal, an excess was noted at a few mountain stations. Monthly total ranged from 0.54 inch in the extreme southern section to 6.98 inches in the northern section. The average snowfall was considerably below the normal, and fell mostly on the 14th and 29th. The favorable weather permitted outdoor activities during the greater part of the month. Navigation on the Ohio River was interrupted on the 5th and 31st, by moderately heavy ice. At the close of the month, winter wheat and other winter crops were generally in satisfactory condition.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 36.7° or 4.2° above the normal. The temperature was above the normal from the 4th to the 9th, and from the 13th to the 28th, with the highest readings occurring generally on the 7th and 25th. Moderately cold weather prevailed on the 2d, 10th, 11th, and unusually cold weather from the 29th to the 31st. The lowest temperatures being noted on the 29th and 30th. The highest monthly mean temperature was 42.0° at Huntington, and the lowest was 30.6° at Marlinton. The highest temperature was 71° at Bancroft on the 7th, and the lowest, 15° below zero at Bayard on the 29th, making the monthly range for the State 86°. The greatest daily range was 58° at Wheeling.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 2.75 inches, which was 0.87 inch less than the normal. The greater portion of the precipitation was received on the 5-9th, 12-15th, 22d-24th, and the 26-29th, the greatest amounts being measured on the 7th and 23d. The average snowfall for the State, 1.6 inches, was 6.2 inches less than the normal. The greatest monthly precipitation was 6.98 inches at Davis, and the least was 0.54 inch at Union. The greatest amount in any 24 consecutive hours was 1.78 inches at Weston on the 7th. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 8th; Arbovale, 3d and 4th; Elkins, 3d; Hinton, 6th, 11th, 13th, and 20th; Huntington, 4th, 6th, 24th, and 25th; Marlinton, 3d, 6th, and 7th; McNeill, 3d and 7th; Pickens, 8th; Stony River Dam, 4th; Terra Alta, 1st; Valley Chappel, 3d.

MISCELLANEOUS PHENOMENA (Continued)

Corona, lunar: Huntington, 28th.

Hail: Pickens, 1st.

Halo, lunar: Elkins, 31st.

Sleet: Pickens, 2d; Bayard, Buckhannon, Elkins, Horton, Parkersburg, and Parsons, 13th; Marlinton, 22d; Elkins, 28th; Horton and Richwood, 29th.

Thunderstorms: Alma, Beckley, Clarksburg, Fairmont, Morgantown, Parkersburg, Pickens, and Valley Chappel, 1st; Aberdeen, and Crawford, 7th; Huntington, 22d; Crawford and Roanoke, 23d.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.17	30.53	2	29.51	28	9.0	30	nw.	28	82	63	66	44
Columbus, Ohio	30.14	30.52	2	29.43	28	12.8	45	nw.	28	78	66	70	43
Elkins	30.19	30.47	18	29.30	28	8.0	32	nw.	28	83	66	74	39
Parkersburg	30.19	30.55	2	29.43	28	7.4	35	nw.	28	78	61	68	33
Pittsburgh, Pa	30.15	30.55	2	29.28	28	11.7	41	nw.	28	78	69	70	29
Wytheville, Va	30.18	30.44	31	29.38	28	8.7	35	nw.	29	83	64	68	51

COMPARATIVE DATA FOR JANUARY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	31.7	−0.8	.....	.....	3.64	+0.02	.....	.....	.....	....	....	....	....
1892	29.4	−3.1	76	−3	3.15	−0.47	.....	.....	.....	11	....	....	....
1893	22.6	−9.9	71	−25	2.49	−1.13	.....	.....	.....	12	7	7	17
1894	36.6	+4.1	70	−8	2.41	−1.21	4.23	0.83	.....	9	12	8	11
1895	25.0	−7.5	69	−21	4.48	+0.86	6.53	2.37	.....	13	6	9	16
1896	32.4	−0.1	72	−6	1.57	−2.05	2.72	0.67	1.8	15	9	14	8
1897	28.8	−3.7	69	−18	1.70	−1.92	2.85	0.90	4.0	9	10	7	14
1898	37.1	+4.6	75	−5	5.10	+1.48	8.04	2.24	5.0	12	6	9	16
1899	32.1	−0.4	70	−21	4.05	+0.43	7.01	2.05	7.5	11	10	7	14
1900	34.5	+2.0	74	−10	2.24	−1.38	3.60	0.82	1.9	10	9	8	14
1901	33.6	+1.1	69	−4	2.41	−1.21	3.87	1.18	7.3	10	8	7	16
1902	30.2	−2.3	64	−1	3.65	+0.03	8.52	1.45	9.8	9	9	7	15
1903	31.8	−0.7	79	−7	3.21	−0.41	6.45	1.55	8.6	11	8	7	16
1904	27.5	−5.0	72	−18	2.72	−0.90	5.82	1.24	10.8	11	9	8	14
1905	26.4	−6.1	70	−14	3.15	−0.47	7.43	1.48	22.0	13	7	7	17
1906	38.2	+5.7	80	−5	3.79	+0.17	8.70	1.36	5.1	9	11	7	13
1907	38.7	+6.2	76	−15	**6.41**	+2.79	11.54	2.35	5.6	14	6	7	18
1908	31.0	−1.5	62	−16	2.92	−0.70	8.19	0.50	12.8	11	12	7	12
1909	36.8	+4.3	76	−5	3.41	−0.21	6.59	1.50	8.7	12	8	6	17
1910	32.0	−0.5	67	−5	5.68	+2.06	10.10	2.52	15.4	11	6	6	19
1911	37.3	+4.8	71	−5	5.86	+2.24	**12.63**	3.11	7.0	14	8	6	17
1912	23.5	−9.0	66	−34	2.60	−1.02	6.93	1.10	13.6	10	7	8	16
1913	40.7	+8.2	74	9	6.23	+2.61	10.53	1.84	5.7	13	9	6	16
1914	35.8	+3.3	**83**	−11	3.18	−0.44	5.65	1.55	15.6	10	7	6	18
1915	31.7	−0.8	68	−8	4.85	+1.23	11.38	2.00	10.4	13	8	6	17
1916	38.8	+6.3	79	−10	4.86	+1.24	8.52	1.70	6.1	13	11	7	13
1917	33.2	+0.7	77	−9	4.66	+1.04	7.67	1.72	8.3	12	11	6	14
1918	**20.7**	−11.8	55	−27	4.24	+0.62	9.22	2.00	21.5	14	8	5	18
1919	34.1	+1.6	69	−16	3.79	+0.17	6.66	1.60	6.9	8	16	4	11
1920	28.7	−3.8	77	−11	4.12	+0.50	7.26	0.40	3.9	11	8	6	17
1921	35.5	+3.0	71	−2	2.76	−0.86	5.94	**0.10**	4.3	9	11	6	14
1922	30.2	−2.3	68	−15	2.75	−0.87	4.81	1.01	10.8	11	12	6	13
1923	35.2	+2.7	68	−1	4.46	+0.84	7.60	1.13	4.4	14	7	5	19
1924	30.1	−2.4	70	−15	4.62	+1.00	7.14	0.62	1.8	10	13	5	13
1925	31.1	−1.4	63	−27	3.81	+0.19	7.07	1.32	15.8	13	11	4	16
1926	29.7	−2.8	66	−23	3.71	+0.09	7.71	1.78	13.3	11	8	5	18
1927	32.5	0	74	−14	4.08	+0.46	9.58	**0.10**	5.9	14	6	5	20
1928	32.0	−0.5	74	−14	2.18	−1.44	4.55	0.12	4.0	8	11	7	13
1929	31.4	−1.1	75	−19	2.92	−0.70	6.67	1.05	6.1	12	7	5	19
1930	34.0	+1.5	80	−13	1.86	−1.76	3.60	0.58	7.0	12	8	6	17
1931	33.7	+1.2	71	−10	1.87	−2.25	4.09	0.65	3.6	8	10	7	14
1932	**43.4**	+10.9	82	7	4.82	+1.20	6.72	2.33	0.3	13	9	6	16
1933	39.8	+7.3	79	1	3.73	+0.11	6.41	1.15	1.2	12	12	6	13
1934	36.7	+4.2	71	−15	2.75	−0.87	6.98	0.54	1.6	11	10	6	15
Period	32.5	......	83	−34	3.62	....	12.63	0.10	8.0	11	9	7	15

Climatological Data for January, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	32.9	+4.5	61	7	−15	29	55	4.39	−0.47	1.08	5.0	14	11	4	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	36.0	+5.8	64	28	−2	30	52	0.80	−1.13	0.45	T.	4	18	5	8	sw.	Elmer Keister
Circleville	Pendleton	...	2	...	...	...	...	...	...	...	2.26	...	0.61	...	14	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	...	...	...	...	...	...	...	1.14	−1.45	0.50	0	7	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	4	37.6	...	66	25	4	30	47	1.22	...	0.55	0	6	11	12	8	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}36.8	+6.2	68^{a}	28	5	30	42	1.54	−0.96	0.55	T.	11	17	13	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	36.8	+4.3	66	28	−4	31	50	1.25	−1.04	0.69	0	5	6	6	19	w.	John W. McNeill
Piedmont	Mineral	1,053	21	34.4	+4.4	58	28	0	29	34	2.86	+0.43	1.18	T.	11	13	3	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	37.5	+6.4	63	25†	1	31	55	1.96	−0.37	0.91	T.	10	6	9	16	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	...	...	...	...	...	...	...	4.21	+1.40	0.93	8.0	11	5	2	24	w.	A. C. Becker
Upper Tract^{a}	Pendleton	1,230	35	35.5	+3.1	68	7	2	30	44	0.88	−1.22	0.40	...	5	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	^{a}35.2	...	66^{a}	28	−3^{a}	31	51^{a}	1.01	−1.12	0.41	T.	7	12	9	10	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	...	...	...	...	...	...	...	3.90	+0.50	1.53	1.6	14	8	9	14	w.	L. Else Bond
Alma (near)	Tyler	800	7	...	...	...	...	...	...	...	2.52	...	0.78	0.5	11	8	6	17	...	D. N. Furbee
Alpena	Randolph	2,571	4	32.1	...	56	7	−8	30	43	4.28	...	0.71	10.0	17	12	5	14	w.	Christian Hertig
Benson	Harrison	1,080	10	37.0	+2.9	68	7	−2	30	57	3.40	−0.21	1.55	0.5	12	10	13	8	...	R. D. Marts
Bens Run	Pleasants	652	32	37.5	+4.6	59	1	1	29	50	1.90	−2.10	0.78	T.	10	13	5	13	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	38.0	+3.4	67	7	1	30	43	3.73	+0.14	1.54	T.	13	12	12	7	...	George M. Meyers
Bruceton Mills	Preston	1,549	17	...	...	...	...	...	...	...	5.14	+0.34	1.44	1.5	9	6	5	20	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	38.2	+5.7	69	1	0	30	38	3.94	−0.35	1.20	1.5	12	15	0	16	...	H. A. Darnall
Cairo	Ritchie	680	33	37.6	+3.2	66	7	1	30	46	2.65	−1.49	0.89	0	9	12	3	16	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	35.8	+3.2	67	7	0	30	44	2.98	−0.33	1.36	0.5	12	7	7	17	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	...	...	...	...	...	...	...	3.17	−0.31	1.13	0.4	15	8	8	15	nw.	George W. Blair
Creston	Wirt	640	32	38.0	+3.9	67	7	1	30	45	2.90	−0.92	1.35	0	12	9	1	21	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	...	...	...	...	...	...	...	3.53	+0.34	1.24	...	17	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	18	...	...	...	...	...	...	...	2.22	−0.83	0.92	...	12	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	...	...	...	...	...	...	...	3.53	+0.31	1.34	...	13	...	...	...	...	Lockmaster
Davis	Tucker	3,093	25	...	...	...	...	...	...	...	6.98	+1.93	2.00	11.0	19	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	...	...	...	...	...	...	...	2.02	−1.95	0.90	T.	9	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	33	34.4	+4.0	64	7	−4	30	44	3.37	−0.41	0.66	2.6	17	4	9	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	28	37.4	+4.8	69	7	1	30†	45	3.29	−0.50	1.30	1.7	12	6	5	20	w.	J. C. Robinson
Glenville	Gilmer	738	40	40.1	+6.3	69	7	0	30	49	3.84	−0.37	1.74	T.	13	11	6	14	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	37.9	+5.3	68	7	0	30	43	4.05	+0.08	1.40	3.8	11	11	4	16	...	W. E. Clayton
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	3.35	−0.68	0.70	...	9	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	9	...	...	...	...	...	...	...	2.29	...	0.47	2.5	10	9	10	12	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	38.6	+3.3	67	7	0	30	43	3.14	−0.12	1.60	T.	5	14	5	12	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	37.3	+4.4	67	7	−2	30	46	3.67	−0.13	1.60	0.5	12	9	2	20	w.	Allen Smith
Mannington	Marion	985	31	36.5	+4.6	66	7	1	30	38	3.35	−0.78	0.89	1.3	19	7	3	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	36.3	+4.0	67	7	0	29†	36	3.08	−0.54	1.25	0.5	8	9	8	14	sw.	Bruce Davis
New Cumberland	Hancock	671	36	35.2	+6.6	58	21	0	29†	47	2.03	−0.81	0.75	1.0	15	6	3	22	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	37.9	+4.8	60	21	−1	30	42	3.29	−0.53	1.04	T.	10	5	4	22	n.	Wm. Ankrom
Parkersburg	Wood	638	47	36.4	+3.9	60	1	−2	30	42	1.91	−1.67	0.89	0.2	13	9	2	20	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	35.6	+1.1	69	1	−1	29	41	3.28	−1.33	...	2.0	...	5	10	16	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	...	...	...	...	...	...	...	3.18	−1.43	0.77	3.5	15	10	10	11	...	Robert T. Deem
Philippi	Barbour	1,550	37	...	...	...	...	...	...	...	3.90	−0.18	1.37	1.0	15	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	31	34.0	+3.1	59	20	−8	29†	52	4.62	−1.76	0.70	9.0	16	13	7	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	3.58	−0.02	1.48	0.6	14	7	3	21	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	25	...	...	...	...	...	...	...	2.46	−1.56	0.80	0	13	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	33	32.1	+4.2	61	7	−8	29	46	5.59	+0.71	1.55	6.3	12	9	11	11	e.	Walter Steen
Thomas	Tucker	2,950	5	...	...	...	...	...	...	...	4.69	...	0.95	11.0	15	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	11	38.7	+3.6	68	7	1	30	45	3.45	−0.14	1.52	1.0	16	11	2	18	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	...	...	...	...	...	...	...	3.29	+0.22	1.16	2.0	10	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	27	34.6	+4.4	58	1†	−1	30	41	2.48	−0.85	1.00	T.	6	10	3	18	w.	George P. Pfister
West Milford	Harrison	979	9	...	...	...	...	...	...	...	4.05	...	1.50	0	6	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	40.9	+6.8	68	1	0	30	44	4.13	+0.08	1.78	...	12	1	19	11	...	A. Henry
Wheeling (Dam 12)	Ohio	659	47	34.1	+3.7	62	21	2	29†	58	1.93	−1.20	0.91	1.0	13	7	7	17	...	Lockmaster
Woodlands	Marshall	637	7	...	...	...	...	...	...	...	2.03	...	0.84	1.0	11	4	3	24	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	...	...	...	...	...	...	...	2.26	...	1.02	2.0	12	10	7	14	w.	H. S. Sutton
Bancroft	Putnam	574	30	40.4	+6.1	71	7	0	30	44	2.40	−1.64	1.56	1.2	9	13	0	18	w.	Charles N. Long
Beckley	Raleigh	2,440	31	36.6	+3.4	62	7	−8	30	48	1.93	−1.82	0.34	0.2	15	8	11	12	...	L. A. Mauck
Bluefield^{f}	Mercer	2,558	39	36.6	+1.7	63	25	−6	30	36	0.89	−2.15	0.29	0.2	10	9	10	6	...	Norfolk & Western Ry.
Charleston	Kanawha	600	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Edith A. Bodimer
Clay	Clay	706	18	...	...	...	...	...	...	...	2.96	−0.39	1.10	0.1	13	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	7	...	...	...	...	...	...	...	2.90	...	1.67	...	8	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	18	...	...	...	...	...	...	...	1.94	−1.49	0.85	0	13	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	18	...	...	...	...	...	...	...	2.13	−1.27	1.08	...	11	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	7	...	...	...	...	...	...	...	1.77	...	1.00	0	8	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	18	...	...	...	...	...	...	...	1.78	−1.94	1.13	...	9	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	...	...	...	...	...	...	...	3.59	...	0.95	2.5	10	...	...	...	...	Mrs. D. R. Gandinees
Gary	Mc Dowell	1,426	18	39.0	+3.9	66	7†	−2	30†	49	1.15	−2.28	0.35	0.5	10	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	37.6	+3.1	64	25	0	30	42	1.33	−1.72	0.42	1.0	11	10	7	14	...	Mrs. M. L. McClung
Huntington	Cabell	538	37	42.0	+8.0	67	7	3	30	38	1.99	−1.82	0.99	0.2	13	10	6	15	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	18	...	...	...	...	...	...	...	1.91	−2.12	0.90	1.2	12	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	...	...	...	...	...	...	...	1.83	...	0.67	...	5	...	...	...	...	Claud J. Wriston
Lewisburg††	Greenbrier	2,250	34	36.0	+3.6	62	25†	−3	30	39	...	...	...	...	...	19	3	9	...	Rose Argabrite
Logan	Logan	700	31	...	...	...	...	...	...	...	2.06	−2.14	1.20	...	8	...	...	...	...	J. R. Wampler
Madison	Boone	675	13	38.5	+1.9	69	7†	1	29	39	2.74	−1.36	1.17	0.4	12	15	11	5	...	W. E. Holy
Marlinton	Pocahontas	2,131	35	30.6	+2.6	56	28	−8	30	44	2.65	−1.27	1.16	T.	9	3	17	11	nw.	S. L. Brown
Point Pleasant	Mason	595	41	38.0	+3.9	59	8	−1	30	41	2.24	−1.72	1.06	T.	10	8	9	14	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	34.0	...	61	7	−9	31	48	2.16	...	0.41	2.0	15	9	2	20	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	39.1	+3.7	62	1	2	30	38	1.80	−1.91	1.02	0	9	7	5	19	nw.	Lockmaster
Richwood	Nicholas	2,193	4	36.8	...	63	7	−4	30	50	2.31	...	0.35	4.7	18	11	10	10	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	35.8	+2.5	64	1	0	30	49	2.11	−1.66	1.37	0	8	13	0	18	...	M. Frazier
Ryan	Roane	700	31	^{a}35.4	+1.4	65	7	−3	30	39	2.61	−1.36	1.18	0.1	11	12	3	16	...	Wm E. Ryan
Sharples	Logan	889	14	...	...	...	...	...	...	...	1.68	−1.76	1.20	...	5	...	...	...	...	R. W. Howard
Spencer	Roane	789	30	40.2	+6.5	69	7	1	30	42	2.84	−1.20	1.39	T.	10	9	3	19	...	A. M. McKown
Sutton	Braxton	850	28	39.3	+5.0	67	7†	0	30	49	4.05	−0.64	1.15	4.0	14	17	0	14	...	C. B. Eakle
Union^{d}	Monroe	2,250	30	33.2	...	68	5	−7	30	38	0.54	−2.78	0.38	3.8	2	13	2	12	...	C. B. King
Wayne	Wayne	598	7	...	...	...	...	...	...	...	2.53	...	1.58	2.2	7	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	34.1	+2.0	65	25	−2	29†	48	1.85	−0.70	0.90	0	7	18	2	11	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	41.3	+5.3	68	7	3	30	49	2.21	−1.77	1.42	T.	10	9	10	12	se.	J. E. Dotson
State averages and	extremes	...	...	36.7	+4.2	71	7	−15	29	58	2.75	−0.87	1.78	1.6	11	10	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record. but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters. ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days. etc.

Daily Precipitation for January, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac	.13					1.08	1.07	.08					.03	.36	.50						.02	.43		.03	.12		.30		.09		.15	4.39
Brandywine	do					.25		.45						.05										.05					T.				0.80
Circleville	do	.16	.37			.26	.12	.61	.08	T.	T.			.03	.13	.04								.22	.03		.04	.05		.12			2.26
Harpers Ferry||||	do	.02				.50	.11	.21	.09				.03											.18									1.14
Kearneysville	do	.04				.55	.02	.46	T.					T.									.10	.05									1.22
Martinsburg||||	do	.05	.05			.50	.05	.55	.08					.01	T.									.21			.01	.02		.01			1.54
McNeill	do	.04			T.	.38	T.	.69	T.	T.			T.	.04	T.	T.							T.	.10		T.	T.		T.	T.	T		1.25
Piedmont	do	.08				.80	.20	1.18						.02		.05							.06	.19		.01	.09		.18		T.		2.86
Romney||||	do	.10	.01			.80	.01	.91		.01				.01		T.							.01	.08			.02			T.			1.96
Stony River Dam	do		.40			.67		.93	.12						.46									.84			.27	.02	.02	.40	.08		4.21
Upper Tract	do	.15					.10	.40	T.	T.				.11	.12														T.	T.			0.88
Wardensville||||	do					.29	T.	.41	.16	.03				T.	.01								.05	.06						T.			1.01
Northern Division																																	
Aberdeen	Monongahela	.52	.08			.56	T.	1.53	.23	.03	T.			.07	.20	.03							T.	.30		T.	.21	.04	.07	.03	T.		3.90
Alma (near)	Ohio	.45					.35	.78	.05	.02				.09	.12								.01	.35		.20			.10				2.52
Alpena	Monongahela	.42			.11	.70	.05	.71	.14	.05	.05			.16	.36	.18							T.	.53		.10	.15	.12	.18	.27			4.28
Benson	do	.12	.05			.52	.10	1.55	.12	.06				.20	.05									.35			.18			.10			3.40
Bens Run	Ohio					.25	.05	.78	.05	.03				.10									.01	.36		.25		.02	T.				1.90
Brownsville	Monongahela	.28				.55	.08	1.54	.25	.03				.06	.12	.03											.60	.05	.11	.03			3.73
Bruceton Mills	do		.55			.80		1.44	.37	T.				.63	.15	.20		T.		T.						.30			.70				5.14
Buckhannon	do	.35				.75	T.	1.20	.10	.05	T.		.05	.15	.10									.50		T.	T.	.45	.20		.04		3.94
Cairo	Little Kanawha	.25				.27		.89	.15	.03				.10	.10									.56					.30				2.65
Clarksburg||||	Monongahela		.25			.53		1.36	.07	.01	.02			.02	.13	.04							T.	.27			.17			.11			2.98
Crawford||||	do	.14	.07			.58	.21	.92	.06	.04				.14	.05	T.							T.	.31		.02	.34	.14	.12	.03	T.		3.17
Creston||||	Little Kanawha	.12	.11			.25		1.35	.25	.04					.15	.03								.30			.17	.04		.09			2.90
Dam 10, Mon. R.||||	Monongahela	.11	.33			.43	.03	1.24	.16		.06			.05	.13	.06								.33	.02	.23		.03	.03	.27	.02		3.53
Dam 13, O. R.||||	Ohio	.12				.22		.92	.20	.01	.02			.02	.15	.05								.07		T.	.06		T.	.38			2.22
Dam 15, Mon. R.||||	Monongahela	.10	.27			.52		1.34	.16		.04			.05	.21	.08								.28			.25	.01	T.	.22			3.53
Davis ||||	do	.60	.40			1.75	.25		.85	.22	.10	.20			.05	.20	.12		.05					.80	.10		.15	.15	.08	.75	.16		6.98
Elizabeth(D'm 3 LK)	Little Kanawha					.24		.90	.11					.08	.02									.47			.08	.02		.10	T.		2.02
Elkins***	Monongahela	.46			.09	.57	.18	.31	.08	.03	T.		.01	.21	.09								.02	.47		.28	.06	.07	.40	.04	T.		3.37
Fairmont||||	do	.24				.53	1.30	.15	T.	T.			.10	.17	.05								.27			.21	.05	.06	.16	T.			3.29
Glenville ||||	Little Kanawha	.08	.26			.47		1.74	.20	.06	T.			.11	.10	T.								.26			.28	.10		.14	.04		3.84
Grafton ||||	Monongahela	.15					.90	1.40	.26	.05				.09	.18								T.			.56		.23	.18	.05			4.05
Horner	do	.15		.10		.55	.50	.70	.55								.25				.30							.25					3.35
Horton	do	.30	.13		.18	T.		.47	.30							.18								.32		.06			.15	.20			2.29
Janelew (near)	do	.40				.60		1.60	.40						.14																		3.14
Lost Creek	do	.18	T.	T.		.61	.10	1.50	.27					.09	.08	T.							T.	.48		.05	.18	.06	.07				3.67
Mannington	do	.41	.01			.45	.09	.80	.12	.02	T.		.01	.05	.17	.01							.03	.35		.34	.07	.01	.35	.04	.02		3.35
Morgantown	do	.35			T.	T.	.10	1.25	T.	T.	T.		T.	.40	.05			T.						.40		.23	T.	.30		T.	T.		3.08
New Cumberland||||	Ohio	.14	.05			.25	.02	.75	.11		.04			.02	.13	.02		T.		T.			.04	.05			.01		.06	.34			2.03
New Martinsville	do	.35				.40		1.04	.14					.18	.20	.24								.44				.08	.22	T.			3.29
Parkersburg* **	do	.37			.14	.03	.37	.54		.02	T.		T.	.04	.01								.07	.18		.11		T.	.02	.01			1.91
Parsons	Monongahela	.40			T.	.75	*	*	*	.90					.18								T.	.65		*			.40				3.28
Parsons No. 2	do	.30	.05			.77	.09		.09	.04				.20	.28	.05							.02	.60		T.	.26	.05	.25	.13	T.		3.18
Philippi	do	.02	.30			.71	T.	1.37	.06	.02				.11	.11	.25								.48	.05		.32	.06	.02	.02			3.90
Pickens	do	.64	T.			.70	.19	.38	.21	.09	.09			.33	.27	.09	.09							.68			.38	.15	.15	.18			4.62
Roanoke	do	.15	.02			.61	.23	1.25	.16	.10				.24	.11	.01							T.	.25			.33		.08	.04	T.		3.58
Rowlesburg||||	do																																
Saint Marys||||	Ohio	.41				.30		.80	.08		.03			.08	.08	.07							T.	.37			.19	.02	.02	.01			2.46
Terra Alta	Monongahela	.40	.11			.42		1.55	.19	.12				.22	.53								T.	.45		.56			.48	T.	.56		5.59
Thomas ||||	do	.03	.48			.85	.10	.74		.20	.05			T.	.41	.15							.03	.57			.44	.06	.05	.53			4.69
Valley Chapel	do	.20	.03			.89	.02	1.52	.22	.02	.02			.05	.12	.05			T.	T.			T.	.36		.15		.03	.04	.03			3.45
Vandalia	do	.17				.61	.15	1.16	.14					.15										.44			.20	.18	.09				3.29
Wellsburg	Ohio	.42				.26		1.00	T.	.05				.25	T.								T.	T.		T.			.50	T.			2.48
West Milford	Monongahela				.85				1.50	.40									.40					.40						.50			4.05
Weston	do	.12	.28			.68		1.78	.22					.12	.10	.03								.32			.22	.08		.18			4.13
Wheeling(Dam 12)||||	Ohio	.10	.05					.91	.16	.01	.01			.01	.11	.08							T.	.14			.03		.01	.31			1.93
Woodlands||||	do	.20				.34		.84	.12					.02	.25	.01							.03	.16		.03	.03		T.	T.	T.		2.03
Southern Division																																	
Arbovale	Great Kanawha	.23				.32		1.02	T.	T.			.05	.10	.05		T.						T.	.27		.01	.01	.01	.09	.10	T.		2.26
Bancroft ||||	do					.22	T.	1.56	.09					.10										.16			.12	.03		.02		.10	2.40
Beckley	do	.28	T.		.04	.18	.31	.34	.07	.03			.11	.06	T.		.03							.24			.07	.05	.08	.04			1.93
Bluefield	do		.29			.03	.04			.27			.09	.02									.02	.10			.01			.02			0.89
Charleston ||||	do																																
Clay||||	do	.30	.36			.31		1.10	.22	.04				.07		T.							.01	.37			.10	.05		.01	.02		2.96
Dam 6 G. K ||||	do	.45				.14		1.67	30					.10	.05									.16				.03					2.90
Dam 19 O. R. ||||	Ohio	.26	.02			.22		.85	.02	.02	.01	T.		.05	.06	.01							T.	.22			.10			.10	T.		1.94
Dam 20 O. R. ||||	do	.20	.08			.20		1.08	.05	.04				.05	.01	T.						T.	T.	.22			.15	.05		T.	T.		2.13
Dam 25 O. R. ||||	do	.12	.15			15		1.00						.04	.02								T.	.18			.11						1.77
Dam 26 O. R. ||||	do	.08				.15		1.13	.05	.05				.02									.02	.25			.03						1.78
Durbin	Great Kanawha	.25	.38			.45		.95	.36	.18	T				.15									.40		.22				.25			3.59
Gary ||||	Big Sandy	.26	.10			.03		.35	.04	.04	.03			.14										.11							.05		1.15
Hinton||||	do	.14	.13			.08	.01	.42	.03	T.	T.			.13	.03		.01						T.	.24				T.		.11	T.		1.33
Huntington	Ohio	.01			.05	.05	.58	.99	.02	.02			T	.03	T.								T.	.17			.03	.01	.01	.02			1.99
Kanawha Falls||||	Great Kanawha																																
Kayford||||	do		.24	.01		.13	T.	.90		.01	.01			.05	.02									.18				.16		.10	.10		1.91
Kingston	do	.06								.18										.40								.52			.67		1.83
Lewisburg	do																																
Logan||||	Guyandotte	.08	T.			.29		1.20		.05	T.			.15										.17				.07		.05			2.06
Madison	Great Kanawha	.24			.28	T.	1.17	.05	.07	T.			.13	.05								T.	.53		T.	.08	.03		.09			.02	2.74
Marlinton	do	.28			T.	.35	.12	1.16					.12	.24	T.		T.						.26						.08	.04			2.65
Point Pleasant||||	Ohio	.40	T.			.20		1.06	.02	.02				.04	.02								T	.26			.20			.02			2.24
Rainelle	Meadow Creek	.16				.41	.21	.36	.06	.01	T.	.06	.09	.20		T.	T.							.20			.05	.15	.15	.02	.03		2.16
Ravenswood(Dam 22	Ohio||||	.07	.06			.20		1.02	.04	.03				.03										.29			.06						1.80
Richwood	Great Kanawha	.28	.10		.04	.22	.20	.22	.03	.03			.03	.06	.03	.02								.35			.10		.20	.30	.08	.02	2.31
Robertsburg||||	do	.11				.19		1.37	.07	.04				.05										.24			.04	T.					2.11
Ryan	do	.06				.22	.38	1.18	.09	.10				.11										.28				.13	.05	.01			2.61
Sharples||||	Coal River	.10				.30		1.20	T.	T.												.03	.05		T.	T.				T.		T.	1.68
Spencer ||||	Great Kanawha	T.	.10			.22		1.39	.24	.06	T.		.07	.02									T	.36	.36	.02				T.			2.84
Sutton	Gauley	.40	.05			.75		1.15	.15	.10			.05	.15	.05								.10	.45			.20		.25	.20			4.05
Union	do				T.	.16	T						T.	.38										T.			T.			T.			0.54
Wayne||||	Big Sandy	.34				.13		1.58		.03				.12										.27							.06		2.53
White Sulpr. Spgs.||||	Great Kanawha	.90			.25		.20	.05					.20									.10	.15										1.85
Williamson||||	Big Sandy	.15				.28		1.38	.04	.01				.07	.02									.16				.04		.06			2.21

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	56	43	38	37	53	51	61	58	35	32	37	35	41	34	34	37	34	44	45	51	52	47	51	50	46	48	52	44	40	20	38	43.4
	Minimum	42	24	15	20	32	40	40	32	30	23	25	17	29	25	24	30	18	7	10	10	33	29	20	22	33	33	40	16	−15	−7	2	22.4
Brandywine	Maximum	60	42	32	36	52	54	52	58	49	45	52	40	50	40	47	45	37	45	52	47	55	52	50	54	62	60	59	64	52	10	30	47.8
	Minimum	42	32	14	27	32	28	37	29	35	29	18	19	29	32	30	24	19	12	26	14	12	25	35	15	26	39	28	45	0	−2	−1	24.2
Kearneysville	Maximum	63	57	33	36	41	52	49	51	44	42	47	44	45	45	41	48	42	34	48	51	50	44	50	48	66	56	59	65	53	15	35	47.0
	Minimum	35	30	19	29	31	37	41	41	36	35	27	25	33	36	35	31	27	16	27	18	20	31	32	26	28	35	29	44	6	4	6	28.1
Martinsburg*	Maximum	60	46	33	38	42	55	51	51	48	43	48	40	46	40	45	50	36	35	50	52	52	50	53	53	66	50	62	68	49	20	..	47.7
	Minimum	26	26	20	24	30	35	34	41	36	36	28	25	28	33	35	33	28	18	18	18	20	22	31	28	25	26	30	36	7	5	5	26.0
McNeill	Maximum	65	43	43	41	53	51	49	51	43	43	53	47	49	45	49	48	42	42	48	55	60	42	51	57	59	59	60	66	50	15	46	49.2
	Minimum	40	28	14	20	35	30	42	41	36	33	14	18	30	35	34	25	26	14	15	12	12	22	32	21	23	34	23	37	4	3	−4	24.3
Piedmont	Maximum	50	52	32	33	41	49	45	52	38	37	38	34	42	36	39	41	39	30	45	47	52	34	44	49	56	52	53	58	34	9	36	41.8
	Minimum	46	29	19	28	33	34	42	38	34	31	31	24	32	33	30	29	25	18	24	17	19	27	33	26	25	35	29	36	0	1	6	26.9
Romney	Maximum	59	57	40	37	47	55	48	52	42	41	37	42	48	44	46	47	44	36	48	55	55	51	48	55	63	56	57	63	58	43	44	49.0
	Minimum	35	31	18	22	34	35	41	40	35	33	23	21	30	35	33	29	26	14	19	14	16	27	32	25	21	36	25	49	3	2	1	26.0
Upper Tract	Maximum	58	38	54	54	58	56	68	44	40	37	47	45	40	40	41	40	35	35	45	50	62	50	48	53	60	56	51	..	16	10	38	45.6
	Minimum	27	28	26	23	29	33	34	35	31	29	29	21	30	30	30	23	24	13	25	19	18	26	27	35	35	37	36	..	3	2	5	25.4
Wardensville*	Maximum	64	..	45	35	46	54	53	49	48	39	38	38	51	42	45	48	41	46	49	53	56	43	49	53	65	55	59	66	54	17	39	48.0
	Minimum	35	..	14	14	30	27	21	41	34	32	18	26	23	32	32	23	25	12	17	13	14	20	29	25	20	36	23	35	3	1	−3	22.4
Northern Division																																	
Alpena	Maximum	54	42	41	39	53	51	56	54	32	31	37	38	36	33	34	36	32	42	39	40	50	47	46	53	50	49	47	52	37	1	35	41.5
	Minimum	41	25	17	25	32	40	39	31	29	22	23	19	29	24	22	28	16	9	29	13	12	30	30	17	30	25	31	35	−6	−8	−4	22.7
Bens Run	Maximum	59	36	40	44	56	47	58	53	38	36	35	38	43	38	45	44	38	39	47	52	54	56	52	52	54	45	56	52	51	36	38	46.2
	Minimum	32	29	25	30	42	42	33	37	35	30	31	26	36	32	32	33	26	21	32	22	24	31	34	33	23	34	35	39	1	2	10	28.8
Buckhannon	Maximum	69	49	40	53	65	55	65	57	37	35	38	43	45	38	42	42	38	42	45	47	50	54	50	49	55	53	52	55	40	10	38	46.8
	Minimum	47	29	25	30	[illegible]	39	43	35	33	29	29	25	37	31	30	33	24	18	29	20	30	39	36	31	31	36	38	38	2	0	5	29.6
Cairo	Maximum	61	61	35	46	59	59	66	64	38	39	36	38	45	45	44	49	47	45	46	50	62	56	58	47	58	55	58	55	38	12	41	48.8
	Minimum	35	29	28	25	43	35	42	37	34	29	25	20	31	32	32	30	19	17	29	15	16	27	42	17	25	29	30	37	4	1	3	25.5
Clarksburg*	Maximum	58	58	39	50	60	48	67	48	42	34	35	41	43	38	44	43	31	45	45	53	58	59	43	56	57	52	53	56	42	15	45	47.0
	Minimum	35	29	19	12	30	34	42	41	33	29	30	22	25	31	30	31	24	15	21	14	15	16	35	17	18	34	31	44	3	0	1	24.6
Creston	Maximum	59	45	47	50	58	50	67	55	37	37	40	44	47	41	47	46	40	45	50	56	62	57	55	58	57	50	55	54	44	14	39	48.6
	Minimum	42	29	28	26	42	34	42	36	34	29	23	24	35	32	31	32	20	18	30	16	17	29	40	18	26	34	33	40	4	1	5	27.5
Elkins	Maximum	59	32	47	46	58	49	64	48	34	32	41	42	43	31	41	41	30	45	44	49	59	52	52	57	55	44	52	55	11	6	39	43.8
	Minimum	31	24	23	28	43	40	48	33	31	26	26	22	30	27	27	30	20	14	23	17	17	41	28	21	32	34	34	11	−2	−4	−3	24.9
Fairmont	Maximum	58	57	45	52	63	53	69	52	42	34	35	39	45	39	45	45	35	42	53	58	63	60	45	56	58	52	53	54	48	15	41	48.5
	Minimum	44	27	21	21	32	41	42	42	34	29	29	23	25	31	30	31	25	17	20	19	19	21	42	21	21	33	35	33	3	1	1	26.2
Glenville	Maximum	62	53	45	51	62	60	69	68	40	38	43	42	47	45	48	47	43	49	50	58	61	62	59	60	60	55	55	60	53	15	43	51.7
	Minimum	46	31	29	27	44	45	35	37	35	30	24	23	37	33	32	31	24	19	30	12	17	29	42	20	29	37	33	46	4	0	4	28.5
Grafton	Maximum	61	47	42	55	60	53	68	60	39	36	37	40	44	39	43	46	39	45	45	56	64	59	55	59	57	51	54	55	36	11	42	48.3
	Minimum	45	28	20	29	44	37	43	37	30	29	31	24	26	30	30	34	25	16	30	18	21	31	36	19	28	33	31	36	3	0	7	27.5
Lost Creek	Maximum	59	48	40	53	59	58	67	63	37	45	40	38	40	39	45	44	40	46	49	58	60	60	55	59	58	50	53	55	44	14	40	48.9
	Minimum	47	28	18	25	42	34	40	35	28	25	26	20	36	30	29	34	21	13	26	13	14	25	39	15	26	33	30	43	0	−2	4	25.7
Maunington	Maximum	59	50	39	48	58	57	66	60	39	33	35	38	44	39	41	44	39	37	43	48	55	56	56	48	55	49	51	53	40	11	35	46.2
	Minimum	48	26	20	26	43	38	41	37	34	29	30	21	34	31	31	30	25	16	27	15	17	25	37	18	25	33	28	40	3	1	3	26.8
Morgantown	Maximum	58	40	41	44	54	52	67	63	45	33	38	37	41	38	41	39	31	38	43	50	52	50	57	57	51	53	50	49	33	10	36	45.0
	Minimum	36	30	19	32	42	41	41	38	32	29	30	30	33	25	25	22	23	14	28	21	28	27	33	21	42	40	34	33	0	0	5	27.6
New Cumberland*	Maximum	57	57	37	47	55	46	51	48	38	34	40	47	43	41	42	42	33	41	42	49	58	56	43	51	51	50	49	47	47	17	39	45.1
	Minimum	44	22	22	24	29	42	39	36	33	27	25	36	26	31	31	32	21	16	21	19	20	21	34	19	20	25	28	39	0	0	1	25.4
New Martinsville	Maximum	58	42	48	48	57	55	57	50	40	37	40	46	45	38	50	47	40	38	48	52	60	57	56	50	55	47	52	52	46	15	40	47.3
	Minimum	42	26	23	24	40	43	40	37	35	27	34	24	35	32	31	32	26	19	30	18	40	29	37	21	30	28	28	37	4	−1	11	28.5
Parkersburg	Maximum	60	33	37	49	57	47	55	48	39	35	35	39	45	34	48	44	33	46	46	54	58	57	54	54	57	47	53	55	13	15	43	44.8
	Minimum	29	26	29	29	45	42	42	37	29	29	28	26	34	32	33	32	25	24	26	21	24	37	31	23	35	32	43	13	4	−2	11	28.0
Parsons	Maximum	69	43	48	52	60	51	65	54	45	46	42	40	40	48	38	42	37	45	44	50	45	56	52	58	55	47	53	57	31	8	41	47.3
	Minimum	40	26	20	23	40	40	42	35	33	33	26	23	23	23	20	24	21	8	12	12	12	32	31	30	25	30	30	31	−1	1	0	24.0
Pickens	Maximum	54	40	47	48	54	45	58	56	40	31	30	42	40	33	38	40	33	45	51	59	49	58	49	55	55	47	50	53	32	15	44	44.9
	Minimum	37	20	25	25	39	38	40	30	28	22	25	22	29	23	23	28	16	11	18	22	20	21	28	16	40	30	35	30	−8	−8	−8	23.2
Terra Alta	Maximum	54	45	40	34	54	54	61	58	32	31	33	38	39	33	31	37	31	39	38	46	50	48	47	50	49	41	44	49	38	4	31	41.4
	Minimum	45	25	19	22	32	39	40	32	28	23	25	16	31	25	25	30	18	6	10	11	13	32	31	19	26	32	32	38	−8	−7	−1	22.8
Wellsburg	Maximum	58	36	35	43	56	55	52	32	38	37	38	39	43	38	42	42	39	39	42	50	58	57	54	52	52	43	49	48	30	12	37	44.1
	Minimum	34	23	21	23	37	40	41	36	33	25	32	22	34	32	31	29	22	16	27	14	17	24	36	17	25	23	22	30	2	−1	4	25.0
Weston	Maximum	68	67	40	50	65	64	60	59	53	42	40	36	42	41	45	44	39	49	50	55	61	60	59	58	60	59	50	50	48	12	42	50.6
	Minimum	45	30	28	27	38	40	52	43	38	26	28	26	33	31	30	32	28	27	31	26	28	36	39	30	41	38	40	41	4	0	10	31.2
Wheeling (Dam 12)	Maximum	55	28	33	54	55	47	53	[illegible]	38	[illegible]	38	42	44	34	44	42	26	42	43	50	62	57	43	52	54	44	49	49	60	9	17	43.9
	Minimum	19	24	22	23	33	41	41	37	34	28	27	25	29	29	31	25	21	19	21	20	20	24	23	21	21	25	24	39	2	2	2	24.3
Southern Division																																	
Beckley	Maximum	55	43	42	36	58	50	62	58	44	34	41	42	42	38	44	40	35	48	49	51	55	51	47	58	57	53	54	59	44	33	41	47.4
	Miuimum	41	26	25	25	31	32	40	33	31	24	20	25	31	28	25	28	20	12	30	20	27	36	36	18	33	38	39	41	−4	−8	−5	25.7
Bluefield	Maximum	..	58	44	38	61	55	..	..	62	34	45	40	44	..	45	42	37	52	19	51		57	49	61	63	58	58	..	12	11	38	45.5
	Minimum	..	32	28	27	34	36	..	..	32	28	24	28	35	..	26	30	22	18	35	26	..	25	39	25	39	41	43	.	−2	−6	2	26.8
Charleston*	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Gary*	Maximum	59	52	49	47	63	57	66	57	43	36	46	43	46	43	45	38	39	52	48	58	61	59	49	66	64	52	59	63	52	15	45	50.7
	Minimum	37	35	25	26	35	34	35	40	37	32	25	24	30	31	33	28	23	16	16	30	23	26	44	22	22	32	42	42	3	−2	−2	27.2
Hinton*	Maximum	57	36	42	40	60	47	63	45	42	37	52	42	48	44	50	46	43	49	53	52	59	48	51	62	64	53	59	45	40	18	45	48.1
	Minimum	33	34	26	30	32	34	34	41	37	32	27	25	30	35	32	28	27	18	20	26	20	21	38	24	24	30	43	40	2	0	3	27.2
Huntington	Maximum	62	45	47	54	61	54	67	54	40	38	45	45	48	43	52	51	42	50	55	58	62	64	60	61	63	55	61	64	49	19	43	51.7
	Minimum	45	31	34	30	46	42	43	40	34	33	25	28	40	33	33	37	26	22	42	22	24	42	43	24	59	36	45	40	5	3	13	32.3
Lewisburg	Maximum	53	55	49	34	58	60	58	52	41	41	45	47	43	47	45	46	38	48	49	51	49	50	57	58	62	58	60	62	30	15	32	48.2
	Miuimum	26	31	21	28	32	39	34	38	34	20	26	24	34	29	35	24	23	15	18	22	20	19	22	23	23	25	27	26	−1	−3	2	23.7
Madison	Maximum	59	36	44	52	63	54	69	44	41	38	42	43	46	39	48	46	39	49	56	55	58	64	49	57	63	53	62	69	40	11	43	49.4
	Minimum	32	27	28	30	36	41	42	36	31	23	24	29	32	33	30	23	18	18	21	21	22	41	22	23	40	40	40	40	1	2	9	27.6
Marlinton	Maximum	50	40	32	28	46	42	46	48	34	32	38	34	36	34	38	36	32	40	44	42	46	38	40	46	54	48	50	56	38	4	38	39.7
	Minimum	34	28	16	22	28	26	38	34	30	26	14	18	30	28	24	24	16	10	22	10	8	24	34	18	16	32	32	38	−4	−8	−6	21.4
Point Pleasant	Maximum	48	44	40	50	56	53	58	59	42	38	42	41	43	40	50	50	43	44	50	58	57	58	57	58	56	53	55	52	43	18	40	48.3
	Minimum	44	26	30	25	40	35	40	35	32	28	25	23	35	30	29	34	23	17	33	17	19	34	40	20	32	30	37	40	2	−1	6	27.7
Rainelle	Maximum	51	43	43	33	53	47	61	59	35	34	47	40	41	37	42	40	37	44	42	50	53	49	44	52	55	55	53	58	45	12	34	44.8
	Minimum	37	27	25	26	31	29	42	34	32	26	13	22	31	24	26	23	20	11	24	12	14	36	36	17	21	21	40	34	−3	−6	−9	23.1
Raveuswood	Maximum	62	48	42	46	57	56	60	58	39	47	41	42	41	46	48	49	45	43	48	57	59	59	49	57	60	55	54	53	39	18	39	48.9
	Minimum	47	28	31	27	43	36	32	37	33	32	27	25	37	33	33	34	25	19	34	19	22	33	41	21	35	33	37	37	4	2	11	29.3
Richwood	Maximum	56	45	40	38	58	54	63	60	43	35	42	42	41	38	41	41	38	49	48	51	55	52	49	57	58	56	53	58	48	7	39	46.9
	Minimum	43	28	28	29	34	33	42	34	33	25	23	24	32	27	25	26	21	15	31	19	20	38	32	32	19	39	35	43	−2	−4	−2	26.6
Robertsburg*	Maximum	64	56	40	45	47	50	48	44	40	46	40	44	47	40	42	40	42	45	46	58	52	58	43	56	52	50	60	59	51	15	32	46.8
	Minimum	37	27	27	26	27	36	37	36	34	30	20	22	27	31	30	32	19	15	15	18	18	18	40	19	21	32	32	44	2	0	0	24.9
Ryan	Maximum	56	41	45	45	50	44	65	53	36	32	..	40	41	37	45	45	35	40	45	50	55	60	50	54	56	55	55	55	36	12	36	45.6
	Minimum	41	26	20	22	39	30	39	34	31	26	..	18	34	29	28	28	14	24	27	13	18	35	34	15	24	33	36	36	0	−3	1	25.1
Spencer*	Maximum	60	50	48	49	60	58	69	44	39	36	47	48	43	35	48	48	38	45	58	56	61	58	60	48	57	48	57	60	46	31	43	50.0
	Minimum	50	29	28	27	25	38	44	39	35	30	24	34	33	24	32	34	24	19	38	18	19	35	42	35	35	46	42	46	4	1	16	30.5
Sutton	Maximum	50	50	48	51	61	61	67	67	40	39	42	47	47	43	44	41	44	48	48	51	62	62	59	62	62	59	56	56	51	12	41	50.8
	Minimum	40	31	28	28	46	35	43	38	35	27	23	23	35	33	31	30	19	16	29	17	18	34	41	18	28	39	34	41	2	0	1	27.8
Union	Maximum	52	53	40	40	68	60	..	42	41	39	42	42	40	..	45	44	40	43	48	48	..	48	48	53	60	60	55	..	4	20	40	45.0
	Minimum	28	29	12	24	30	27	..	38	32	27	19	21	31	..	18	18	12	10	25	20	..	16	33	21	22	35	39	..	−4	−7	3	21 4
White Sulphur Spgs*	Maximum	52	42	34	35	53	43	58	44	41	36	42	35	42	40	45	41	35	47	50	48	54	45	49	60	65	53	59	53	10	17	41	44.2
	Minimum	30	22	27	30	27	33	41	32	30	21	20	28	33	29	21	23	12	17	20	18	24	37	25	23	30	45	42	5	−2	−2	2	24.0
Williamson*	Maximum	62	57	50	50	62	52	68	52	47	40	44	45	55	45	48	45	41	48	52	53	59	62	51	61	63	55	62	61	56	18	43	51.8
	Minimum	35	35	30	30	38	39	44	44	39	34	27	27	33	34	32	31	25	22	23	32	26	27	46	27	28	39	45	48	7	3	4	30.8

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 2-26-34—900)

WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

THE LIBRARY OF THE
JUN 28 1934

R. P. POWELL

VOL. XLII   PARKERSBURG, W. VA., FEBRUARY, 1934   NO. 2

GENERAL SUMMARY

This was the coldest February since 1895, and the second coldest of February State record. The most unusual feature of the weather during the month, was the continuously low temperatures, the morning readings were below freezing on every day, and at some stations the monthly means were the lowest of February record. The lowest temperatures were recorded generally on the 9th and 28th, reaching 26° below zero at Wellsburg, 25° below at Bayard and Lost Creek, and 24° below at Mannington. Practically every station in the State recorded temperatures below zero on from three to seven days. There were only four warm days, the 1st, 4th, 15th, and 18th. The precipitation was unusually light and fell mostly in the form of snow. This was the driest February since 1919. The snowfall was heavy, and ranged in amounts from 51.0 inches in the mountain districts to 6.0 inches in the extreme northeastern section. Navigable streams of the State were frozen during the the severe cold periods, and navigation was suspended during the greater part of the month. Winter grains were well protected by a good snow cover, and little damage resulted from the cold weather. Fruits were reported seriously injured by the unusually low temperatures. Little outdoor work was accomplished during the month.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 24.0° or 9.2° below the normal. Unusually low temperatures prevailed on the 9-10th, 20th, and 27-28th, the lowest readings occurring generally on the 27-28th. The temperature was somewhat above the normal on the 1st, 4th, 15th, and 18th, with the highest temperatures on the 15th and 18th. The highest monthly mean temperature was 29.6° at Williamson, and the lowest was 17.8° at New Cumberland and Wheeling. The highest temperature was 65° at Creston on the 18th, and the lowest, 26° below zero at Wellsburg on the 27th, making the monthly range for the State 92°. The greatest daily range was 63° at Bayard on the 28th.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 1.86 inches, which was 1.28 inches less than the normal. The precipitation occurred mostly in the form of snow and fell generally on the 1st-3d, 11-13th, 19-20th, and the 25-28th, the greatest amounts being noted on the 26th and 28th. The snowfall was unusually heavy, being the fourth heaviest of February State record. The greatest monthly precipitation was 4.25 inches at Pickens, and the least, 0.75 inch at New Cumberland. The greatest amount in any 24 consecutive hours was 2.62 inches at Gary on the 26th. The snowfall averaged 17.6 inches, which was 9.0 inehes more than the normal. The greatest monthly snowfall was 51.0 inches at Pickens, and the greatest 24 hour fall was 19.0 inches at Union on the 26th. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

Fogs, dense: Huntington, 3d and 12th; Wheeling, 27th.

Halos, lunar: Elkins, 1st; Parkersburg and Parsons, 21st; Alpena, 28th.

Sleet: Elkins, 9th; Richwood, 23d; Arbovale, Beckley, Elkins, Glenville, Huntington, Marlinton, and Ryan, 25th; Beckley, Crawford, Roanoke, and Ryan, 26th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.25	30.87	9	29.56	12	8.6	28	w.	23	86	61	66	47
Columbus, Ohio	30.24	30.90	9	29.52	12	11.3	30	w.	23	81	59	64	55
Elkins	30.26	30.97	28	29.51	13	6.8	26	w.	12	86	63	75	38
Parkersburg	30.26	30.95	9	29.53	12	7.0	31	nw.	12	82	64	72	43
Pittsburgh, Pa	30.23	30.97	9	29.37	12	10.2	34	nw.	23	79	65	62	42
Wytheville, Va	30.18	30.89	28	29.57	12	7.7	27	w.	15	79	61	66	50

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	38.1	+ 4.9	......	......	5.39	+2.25	......	......	......	....	....	....	....
1892	37.1	+ 3.9	72	−12	2.30	−0.84	......	......	......	9	....	....	....
1893	35.0	+ 1.8	71	− 6	4.81	+1.67	6.70	1.65	......	12	....	....	....
1894	33.4	+ 0.2	74	− 5	3.99	+0.85	7.48	2.05	......	10	9	7	12
1895	**22.8**	−10.4	79	−17	1.27	−1.87	2.44	0.61	......	7	10	9	9
1896	33.4	+ 0.2	62	− 5	3.31	+0.17	6.23	1.50	......	17	7	8	14
1897	36.8	+ 3.6	70	3	5.95	+2.81	8.18	3.00	......	11	7	7	14
1898	32.7	− 0.5	74	−13	1.81	−1.33	3.38	0.64	......	9	10	8	10
1899	26.1	− 7.1	69	−35	4.32	+1.18	6.43	2.25	19.0	14	7	5	16
1900	30.7	− 2.5	83	−11	3.94	+0.80	5.62	2.31	10.1	12	5	10	13
1901	27.1	− 6.1	62	− 6	**0.86**	−2.28	1.66	**0.10**	4.1	7	8	8	12
1902	26.7	− 6.5	68	−14	3.20	+0.06	5.65	1.33	8.1	10	6	7	15
1903	35.3	+ 2.1	74	−19	**5.99**	+2.85	**9.59**	2.58	9.0	11	10	6	12
1904	29.3	− 3.9	80	−13	2.37	−0.77	4.55	0.52	8.1	10	8	9	12
1905	25.6	− 7.6	56	−22	2.34	−0.80	4.65	0.80	8.1	11	8	6	14
1906	32.4	− 0.8	79	−11	1.60	−1.54	3.34	0.46	8.1	7	15	6	**7**
1907	31.1	− 2.1	76	−15	2.55	−0.59	4.83	0.67	5.6	14	6	7	18
1908	30.9	− 2.3	72	−10	3.72	+0.58	6.26	1.77	15.8	12	7	8	14
1909	40.4	+ 7.2	80	− 5	4.16	+1.02	7.68	1.44	3.4	13	7	8	13
1910	31.5	− 1.7	72	−11	3.18	+0.04	6.56	0.98	13.5	8	9	8	11
1911	38.7	+ 5.5	76	− 6	2.03	−1.11	3.92	0.40	4.8	7	8	8	12
1912	27.3	− 5.9	70	−17	2.45	−0.69	5.08	0.72	6.4	7	10	8	11
1913	32.6	− 0.6	80	− 4	2.27	−0.87	6.15	0.21	4.7	7	13	6	9
1914	28.4	− 4.8	70	−22	3.64	+0.50	6.96	1.63	19.7	10	9	7	12
1915	38.4	+ 5.2	72	− 2	3.07	−0.07	6.33	0.90	3.6	10	10	5	13
1916	31.4	− 1.8	72	−12	4.30	+1.16	9.19	1.79	13.2	11	8	6	15
1917	31.0	− 2.2	80	−14	3.29	+0.15	7.73	1.26	10.1	9	9	7	12
1918	35.4	+ 2.2	81	−19	3.12	−0.02	6.60	0.45	3.8	9	11	6	11
1919	35.2	+ 2.0	72	− 2	1.85	−1.29	3.93	0.35	3.5	9	11	5	12
1920	31.3	− 1.9	69	− 4	2.71	−0.43	5.49	1.49	9.3	12	7	5	17
1921	37.4	+ 4.2	79	−10	2.61	−0.53	4.90	1.10	10.8	9	8	5	15
1922	38.2	+ 5.0	77	−14	2.89	−0.25	5.57	0.94	6.3	11	8	7	13
1923	30.4	− 2.8	70	−20	3.68	+0.54	7.38	0.75	7.8	12	7	5	16
1924	31.6	− 1.6	74	−16	3.21	+0.07	8.18	0.84	12.2	11	8	6	15
1925	39.8	+ 6.6	80	− 5	2.49	−0.65	4.32	0.35	2.0	8	10	6	12
1926	34.9	+ 1.7	72	− 3	4.01	+0.87	8.88	1.20	18.1	13	6	5	17
1927	40.9	+ 7.7	79	6	4.49	+1.35	8.64	2.40	11.0	15	7	6	15
1928	34.6	+ 1.4	72	− 3	2.50	−0.64	6.06	0.40	6.4	11	8	6	15
1929	30.0	− 3.2	70	−15	2.98	−0.16	5.24	1.43	14.6	9	9	6	13
1930	39.8	+ 6.6	81	−21	2.62	−0.52	5.21	0.95	3.9	10	11	5	12
1931	35.8	+ 2.6	68	5	2.57	−0.57	4.68	1.08	1.6	9	10	5	13
1932	**41.6**	+ 8.4	**86**	7	3.22	+0.08	7.35	0.79	0.2	9	11	8	10
1933	34.5	+ 1.3	77	−12	3.13	−0.01	7.87	0.96	5.8	11	12	5	11
1934	24.0	− 9.2	65	−26	1.86	−1.28	4.25	0.75	17.6	9	10	5	13
Period	33.2	......	86	−35	3.14	......	9.59	0.10	8.6	10	9	6	13

Climatological Data for February, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	18.8	−10.8	52	18	−25	28	63	3.24	−0.52	0.60	22.0	16	10	4	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	22.8	−11.9	60	15	−20	28	48	1.45	−0.35	0.60	14.0	5	13	2	13	n.	Elmer Keister
Circleville	Pendleton	....	2	....	....	....	....	....	....	....	1.64	....	0.37	17.9	13	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	....	....	....	....	....	....	....	0.98	−1.40	0.48	11.8	6	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	4	24.0	....	57	15	−17	28	42	1.08	....	0.43	8.5	5	14	8	6	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	[a]23.2	− 8.4	60[a]	15	−10	28	54	2.43	−0.06	1.40	10.0	5	21	6	1	nw.	Dr. H. S. Gardner
McNeill	Hardy	900	38	25.0	− 9.3	60	15	−23	28	54	0.90	−1.37	0.70	6.0	3	5	5	18	w.	John W. McNeill
Piedmont	Mineral	1,053	21	22.4	−11.4	53	15	−11	28	39	0.78	−1.62	0.52	7.0	4	7	10	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	25.0	− 9.2	61	15	−19	28	54	0.92	−1.12	0.45	9.2	4	6	9	13	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	....	....	....	....	....	....	....	1.80	−1.05	0.54	20.0	7	6	5	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	[b]23.2	−10.3	55[a]	21†	−18[b]	28	42[b]	0.88	−0.78	0.50	10.0	4	....	....	....	....	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	[a]23.4	−10.4	59[a]	15	−20[a]	28	58[b]	1.04	−0.67	0.79	8.0	4	11	10	7	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	....	....	....	....	....	....	....	1.72	−1.38	0.49	15.1	12	8	5	15	w.	L. Else Bond
Alma (near)	Tyler	800	7	....	....	....	....	....	....	....	1.11	....	0.35	14.7	11	8	5	15	....	D. N. Furbee
Alpena	Randolph	2,571	4	19.8	....	57	18	−19	28	52	2.64	....	0.50	32.0	12	9	5	14	w.	Christian Hertig
Benson	Harrison	1,080	10	22.3	−15.7	51	15	−23	28	58	1.88	−1.83	0.75	16.0	10	10	8	10	....	R. D. Marts
Bens Run	Pleasants	652	32	24.8	− 8.0	53	18	−14	28	44	1.53	−1.59	0.56	15.9	7	17	4	7	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	24.8	−12.8	57	18†	−17	28	52	1.46	−1.61	0.43	15.0	9	9	7	12	....	George M Meyers
Bruceton Mills	Preston	1,549	17	....	....	....	....	....	....	....	2.14	−1.40	0.60	20.5	9	7	10	11	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	24.4	− 8.7	50	15	−12	28	44	3.33	−0.57	1.50	18.5	10	7	7	14	....	H. A. Darnall
Cairo	Ritchie	680	33	23.8	−10.4	57	18	−22	28	56	1.73	−1.47	0.96	15.4	6	8	4	16	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	20.4	−14.2	54	18	−23	28	59	1.50	−1.54	0.65	17.2	11	7	5	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	....	....	....	....	....	....	....	1.83	−1.49	0.54	15.5	11	8	6	14	nw.	George W. Blair
Creston	Wirt	640	32	24.4	−10.3	65	18	−18	28	53	1.44	−1.65	0.50	12.0	10	11	0	17	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	....	....	....	....	....	....	....	1.75	−1.12	0.66	18.8	13	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	18	....	....	....	....	....	....	....	0.98	−1.40	0.40	11.2	8	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	....	....	....	....	....	....	....	1.37	−1.62	0.59	11.5	9	....	....	....	....	Lockmaster
Davis	Tucker	3,093	25	....	....	....	....	....	....	....	2.22	−2.05	0.40	27.5	17	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	22	....	....	....	....	....	....	....	1.70	−1.17	0.64	14.7	10	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	33	21.6	−10.0	54	18	−18	28	52	2.53	−0.55	0.79	22.9	14	5	6	17	nw.	U. S. Weather Bureau
Fairmont	Marion	883	28	23.1	−10.0	60	18	−12	28	55	1.66	−1.42	0.44	20.5	9	7	5	16	w.	J. C. Robinson
Glenville	Gilmer	738	40	26.4	− 8.2	58	18	−15	28	51	2.01	−1.70	0.45	14.3	13	11	3	14	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	24.8	− 7.8	58	18	−15	28	54	1.40	−1.75	0.40	16.0	7	12	0	16	....	W. E. Clayton
Horner	Lewis	1,044	11	....	....	....	....	....	....	....	2.46	−1.19	0.35	....	15	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	9	....	....	....	....	....	....	....	1.59	....	0.50	19.3	7	9	4	15	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	24.4	−13.7	56	18	−21	28	55	1.99	−0.78	0.63	11.0	8	9	6	13	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	25.2	− 9.5	56	18	−25	28	60	1.32	−1.79	0.40	14.2	11	13	0	15	....	Allen Smith
Mannington	Marion	985	31	21.4	−11.4	51	18	−24	27†	56	1.51	−1.38	0.37	14.9	11	7	10	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	21.6	−11.2	56	18	−11	28	51	1.86	−1.14	0.84	22.5	7	7	12	9	sw.	Bruce Davis
New Cumberland	Hancock	671	36	17.8	−11.3	58	18	−16	28	54	0.75	−1.69	0.45	12.0	8	12	3	13	n.	C. H. Hesse
New Martinsville	Wetzel	634	40	23.8	− 9.7	52	15	−11	28	50	1.21	−1.75	0.35	12.8	8	9	7	12	n.	Wm. Ankrom
Parkersburg	Wood	638	47	23.6	−10.6	55	18	− 7	9	36	1.25	−1.88	0.44	12.0	11	7	5	16	nw.	U. S. Weather Bureau
Parsons [c]	Tucker	1,649	34	22.7	− 9.0	56	18	−18	28	52	1.02	−2.50	0.32	12.0	5	7	3	15	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	....	....	....	....	....	....	....	2.07	−1.45	0.70	22.0	15	11	2	15	....	Robert T. Deem
Philippi	Barbour	1,550	37	....	....	....	....	....	....	....	2.13	−1.22	1.00	19.7	11	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	31	[a]22.2	− 9.7	54[a]	18	−21[a]	9	50[a]	4.25	−1.06	0.63	51.0	19	8	5	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	....	....	....	....	....	....	....	1.17	−2.21	0.39	11.7	11	14	0	14	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	47	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Walter H. Bolyard
Saint Marys	Pleasants	577	25	....	....	....	....	....	....	....	1.61	−1.52	0.58	15.0	10	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	33	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Walter Steen
Thomas	Tucker	2,950	5	....	....	....	....	....	....	....	2.79	−0.85	0.60	41.0	13	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	11	24.9	−13.6	56	18	−16	28	52	1.60	−1.47	0.59	14.5	8	14	3	11	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	....	....	....	....	....	....	....	1.69	−1.33	0.39	13.9	10	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	27	20.2	− 9.8	54	18	−26	27	51	0.81	−1.72	0.46	8.5	6	13	5	10	w.	George P. Pfister
West Milford	Harrison	979	9	....	....	....	....	....	....	....	0.90	−2.43	0.50	10.0	3	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	25.9	− 8.0	60	18	−16	28	54	1.63	−2.06	0.71	16.2	11	3	11	14	....	A. Henry
Wheeling (Dam 12)	Ohio	659	47	17.8	−14.3	52	1	−14	28	45	1.39	−1.15	0.80	18.0	9	3	7	18	....	Lockmaster
Woodlands	Marshall	637	7	....	....	....	....	....	....	....	1.18	−1.44	0.54	13.5	7	21	2	5	....	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	....	....	....	....	....	....	....	1.48	−1.49	0.60	17.0	8	9	9	10	....	H. S. Sutton
Bancroft	Putnam	574	30	28.0	− 6.9	58	18	− 7	28	41	1.96	−1.03	0.60	20.2	9	11	0	17	w.	Charles N. Long
Beckley	Raleigh	2,440	31	25.0	− 9.7	54	15	− 8	28	39	2.73	−0.31	0.66	29.9	14	8	7	13	....	L. A. Mauck
Bluefield [c]	Mercer	2,558	39	28.6	− 6.2	53	15†	0	27	36	2.43	−0.73	1.50	19.2	8	8	5	10	....	Norfolk & Western Ry.
Charleston (Dam 6 G. K)	Kanawha	600	31	....	....	....	....	....	....	....	1.49	−2.02	0.92	....	6	....	....	....	....	Lockmaster
Clay	Clay	706	18	....	....	....	....	....	....	....	2.26	−1.12	0.48	18.2	13	....	....	....	....	Chilton Wilson
Dam 19 O. R.	Wood	600	18	....	....	....	....	....	....	....	1.26	−1.37	0.50	....	9	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	18	....	....	....	....	....	....	....	1.74	−1.17	0.40	17.0	9	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	7	....	....	....	....	....	....	....	0.99	−1.31	0.37	....	7	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	18	....	....	....	....	....	....	....	1.40	−1.23	0.38	....	9	....	....	....	....	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	....	....	....	....	....	....	....	1.72	....	0.88	28.0	6	....	....	....	....	Mrs. D. R Gandinces
Gary	McDowell	1,426	18	[a]28.0	− 9.9	59[a]	15	− 4[a]	28	47[b]	3.97	+0.67	2.62	20.2	11	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	27.2	− 8.3	58	18	− 8	28	40	3.31	+0.22	1.57	23.5	13	12	5	11	....	Mrs. M. L. McClung
Huntington	Cabell	538	37	29.1	− 5.6	58	15†	− 4	9	36	1.68	−1.47	0.58	12.0	11	6	9	13	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	....	....	....	....	....	....	....	1.77	−0.87	0.38	13.7	12	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	18	....	....	....	....	....	....	....	3.45	+0.10	1.39	25.7	12	....	....	....	....	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	....	....	....	....	....	....	....	1.59	....	0.40	....	5	....	....	....	....	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	26.6	− 6.7	53	15†	− 8	28	42	2.80	−0.08	1.40	33.0	5	6	8	14	....	Rose Argabrite
Logan	Logan	700	31	....	....	....	....	....	....	....	2.64	−0.87	1.25	....	8	....	....	....	....	J. R. Wampler
Madison	Boone	675	13	26.4	− 7.2	59	18	− 3	9†	40	0.93	−2.30	0.36	7.7	10	19	4	5	....	W. E. Holy
Marlinton	Pocahontas	2,131	35	20.4	−11.4	56	18	−22	28	60	1.50	−2.00	0.90	15.0	5	8	8	12	nw.	S. L. Brown
Point Pleasant	Mason	595	41	25.4	− 8.0	58	18	−11	28	43	2.29	−1.09	0.56	17.5	14	11	5	12	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	23.0	....	52	15	−19	28	45	3.11	....	1.30	36.5	14	11	2	15	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	25.1	−13.7	55	19	−14	18	49	1.07	−1.65	0.50	9.0	6	13	1	14	ne.	Lockmaster
Richwood	Nicholas	2,193	4	25.6	....	52	15	− 8	28	47	3.57	....	0.58	42.0	18	6	6	16	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	23.2	−10.9	58	18	− 9	28	49	1.53	−1.48	0.41	16.5	9	10	0	18	....	M. Frazier
Ryan	Roane	700	31	20.4	−13.9	54	18	−17	28	49	2.17	−1.18	0.63	20.1	13	8	8	12	....	Wm E. Ryan
Sharples	Logan	889	14	....	....	....	....	....	....	....	2.67	−0.41	....	9.2	6	....	....	....	....	R. W. Howard
Spencer	Roane	789	30	25.8	− 9.4	57	18	−14	28	49	1.59	−1.59	0.46	16.0	11	4	9	15	....	A. M. McKown
Sutton	Braxton	850	28	26.6	− 9.5	60	18†	−11	28	48	3.08	−0.48	0.68	36.0	11	14	0	14	....	C. B. Eakle
Union [d]	Monroe	2,250	30	25.4	− 9.8	56	21	− 7	28	33	3.00	+0.17	1.50	35.0	6	14	0	10	....	C. B. King
Wayne	Wayne	598	7	....	....	....	....	....	....	....	2.02	−0.96	0.75	9.4	10	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	27.9	− 7.6	55	21	−10	27	39	....	....	....	....	....	13	4	11	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	29.6	− 7.8	58	15	3	9†	39	3.36	+0.11	1.65	12.2	11	8	8	12	se.	J. E. Dotson
State averages and	extremes	....	....	24.0	− 9.2	65	18	−26	27	63	1.86	−1.28	2.62	17.6	9	10	5	13	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for February, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac		.08		.08	.20	.08	.16	.06		.08	.16	.48		.08					.08				.18	.18	.50	.24		.60				3.24
Brandywine	do	.30							.30								.10						.15				.60						1.45
Circleville	do		.19	.11			.03		.06	.04			.08	.29				.07			.05			.13		.14	.37	.08					1.64
Harpers Ferry ‖‖	do		.24				.14														.03			.07		.02	.48	T.					0.98
Kearneysville	do	.14					.16													.05			T.			.43	.30						1.08
Martinsburg ‖‖	do		.02				.10			T.			T.													.11	1.40	.80					2.43
McNeill	do	.10	T.			T.	.10	T.	T				T.	T.		T.	T.			T.			T.	T.	T.	.70	T.	T.					0.90
Piedmont	do	T.	T.		T.	T.	T.		T.				T.	.08		.01										.52	.17						0.78
Romney‖‖	do	.01	T.				.04																			.42	.45						0.92
Stony River Dam	do					.18			.18					.36										.18	.18	.18	.54						1.80
Upper Tract	do								.10	.20				.08				T.				T.				.50							0.88
Wardensville‖‖	do		.14				.06	T.	.05	T.	T.	T.	T	T.									T.				.79						1.04
Northern Division																																	
Aberdeen	Monongahela	.03	.06	T.					.07			.06	.11	.24		T.				.10	.02		.06	.03	T.	.49	.45	T.					1.72
Alma (near)	Ohio		.03					.01	.01			.10	.06	.02						.10			.09	.01		.35	.33						1.11
Alpena	Monongahela	.08	.16					T.	.13			.05	.16	.50			T.			.24			T.	.24	.08	.50	.34	.16					2.64
Benson	do		.12						.15			.10	.07	.10						.05			.06		.03	.75	.45						1.88
Bens Run	Ohio		.05					T.				.15	.09							.14			.12			.56	.42						1.53
Brownsville	Monongahela	.03	.08									.22	.21						.06	.01					.05	.43	.37						1.46
Bruceton Mills	do	T.			T.			T.	.05				.18	.60		.43				.08				.08		.24	.16	.32					2.14
Buckhannon	do	.05	.10						.13				.10	.30						1.50				.10		.50	.53	.02					3.33
Cairo	Little Kanawha		.09						.07			.15		.34						.12							.96						1.73
Clarksburg‖‖	Monongahela	.02	T.	.09					.06				.13	.13						.06	.05			.12		.17	.65	.02					1.50
Crawford‖‖	do	.03	.07					T.	.11			.09	.12	.28						.07			.07	.02		.54	.43	T.					1.83
Creston‖‖	Little Kanawha	.07		.10	T.				.05	T.			.15	.10	T.						.05	T.			.08	.30	.50	.04					1.44
Dam 10, Mon. R.‖‖	Monongahela			.09			.02		.04				.13	.17	.16					.01	.09			.19		.16	.66	.03					1.75
Dam 13, O. R.‖‖	Ohio			.08										.08						.12	.06			.06		.10	.40	.08					0.98
Dam 15, Mon. R.‖‖	Monongahela	T.		.08					.08				.11	.08	T.					T.	.09			.21	T.	.10	.59	.03					1.37
Davis ‖‖	do	T.	.10	.08	.07	.07	.15		.10	.07		T.	T.	.40	.08	.10				.06	.10			.16	.10	.18	.30	.10					2.22
Elizabeth (D'm 3 LK)	Little Kanawha			.08					.08				.20	.08						.11	.03			.13		.22	.64	.13					1.70
Elkins***	Monongahela	.08	.10		T.	T.		.08	.08			.13	.20	.32	T.	T.	T.			.17			.10	.14	.01	.77	.34	.01					2.53
Fairmont‖‖	do	T.		.13	T.			.08				.24	.26	T.					T.	.10			.08	T.	.13	.44	.20						1.66
Glenville ‖‖	Little Kanawha	.06	T.	.22					.19	.04			.28	.06	.04					.06	.08			.07		.26	.45	.20					2.01
Grafton ‖‖	Monongahela	T.	.15		T.				.13			.05	.15			T.				.22			T.			.30	.40						1.40
Horner	do		.10	.05			.15	.10			.09	.12	.15	.20						.25			.35	.20		.15	.20	.20	.15				2.46
Horton	do		.13						.17					.50							.04			.10		.46	.19						1.59
Janelew (near)	do	.35	.08						.09				.16	.17						.10						.63	.41						1.99
Lost Creek	do	.04	.05	T.				T.	.07			.04	.16	.18					.04		T.		.04	T.	.04	.40	.26	T.					1.32
Mannington	do	T.	.10	T.	T.			.01	.03			.06	.14	.22						.13	T.		.09	.02	T.	.34	.37	T.					1.51
Morgantown	do	T.	T.					T.	T.			.08	.42							.08			.12	.24		.08	.84						1.86
New Cumberland‖‖	Ohio						T.							.04	T.					.03	.03			.03	.01	.03	.45	.13					0.75
New Martinsville	do		.08					T.				.07	.08	.05						T.		.18	.08			.35	.32						1.21
Parkersburg***	do	.01	.08		T.			.04	.02			.20	.12	T.	T.					.14			.08	.02		.40	.14						1.25
Parsons	Monongahela							.18				.08												.26	.18		.32						1.02
Parsons No. 2	do	T.	.07	T.	T.		.05	T.	.11			.05	.08	.38		.04				.06	.05		.10	.05	.02	.70	.28	.03					2.07
Philippi	do	T.	.02	.25					.09	T.		T	.15	.30	.04					T.	.12			.15	.03	.12	.86	T.					2.13
Pickens	do	.08	.24	.08		.08	.08	.08	.16			.16	.16	1.00						.08	.24	.18	.08	.18	.24	.42	.63	.08					4.25
Roanoke	do		.05						.06			.01	.10	.09						.05	.02		T	.01	.01	.38	.39	T.					1.17
Rowlesburg‖‖	do																																
Saint Marys‖‖	Ohio	.02				.05							.18	.22						.08	.03			.10		.25	.58	.10					1.61
Terra Alta	Monongahela																																
Thomas ‖‖	do		.08	.11					.16	T			.16	.60	.16	.02	T			T.	.24			.12	.08	.26	.56	.24					2.79
Valley Chapel	do	.05	T.					T.	.08			T.	.13	.24					T.	.05			T.			.59	.38	.08					1.60
Vandalia	do				.15				.06			.01	.12	.24		.32								.01	.01	.38	.39	T.					1.69
Wellsburg	Ohio		.03			T.							T	.08						.14			.04	T.		.06	.46						0.81
West Milford	Monongahela													.25						.15									.50				0.90
Weston	do	.03		.06					.09				.10	.14						.03	.08			.12		.21	.71	.06					1.63
Wheeling (Dam 12)‖‖	Ohio			.07										.10						.09	.10	.12		.07	T.	.02	.80	.02					1.39
Woodlands‖‖	do			.18									.08	.18							.14					.04	.54	.02					1.18
Southern Division																																	
Arbovale	Great Kanawha	.14		.05		T.	T.		T.	.05		T	T.	.44	T.		T.			T			.08	T.		.60	.08	.04					1.48
Bancroft ‖‖	do		.46	.30	.08				.08	.08	.04		.24							T.			T.	.08		.60							1.96
Beckley	do	.24	.21				T.		.02	.04		.02	.30	.42		.10	T.			.07			.16	.06		.66	.23	.20					2.73
Bluefield	do	.26								.02			.22	.18						.06	.04			.15			1.50						2.43
Charleston (Dam 6)‖‖	do	.06	.04										.36								.04			.07			.92						1.49
Clay‖‖	do		T.	.26			T.		.01	.20		.08	.32	.26	10					.06	.02			.19		.22	.48	.06					2.26
Dam 19 O. R. ‖‖	Ohio	T.		.05					.06				.11		T.					.13	.04			.11		.10	.50	.16					1.26
Dam 20 O. R. ‖‖	do	.03							.28				.28	.24		T.				.15				.02		.24	.40	.10					1.74
Dam 25 O. R. ‖‖	do	.05	.13																	.22	.02			.12		.08	.37						0.99
Dam 26 O. R. ‖‖	do	.06		.30					.05					.03						.22	.06					.28	.38	.02					1.40
Durbin	Great Kanawha		.15	T.			T.						T.	.48										.08	.03	.10	.88						1.72
Gary ‖‖	Big Sandy	.03	.17	.05						.02		T.	.18	.08	.24		.07			.06	T.			.45			2.62						3.97
Hinton‖‖	do	.02	.17	.10			T.			.05		T.	.07	.26	.05		.07			T.	.02			.17		.68	1.57	.08					3.31
Huntington	Ohio	.08	.08	.01				T.	.09			.16	.02	.02						.22			.10			.58	.32						1.68
Kanawha Falls‖‖	Great Kanawha		.10	.06						.38	.12		.21							.02	.05			.13		.20	.10	.20	.20				1.77
Kayford‖‖	do	T.	.15	.32						.30	.21			.13	.07					T.	.19			.16		.33	1.39	.19	.01				3.45
Kingston	do			.40									.20									.21				.38			.49				1.59
Lewisburg	do	T.	.50	T.					T.	.42		T.	T.	.24						T.				.24		1.40							2.80
Logan‖‖	Guyandotte	T.	.08										.20	.04						.08	T.			.23		.53	1.25	.23					2.64
Madison	Great Kanawha	.02	.05						.10			.13	.05	.07					.03	.08					.36		.04						0.93
Marlinton	do	.10	T.	T.		T.	T.		.05	.05		T.	T.	.40					T.					T.	T.	.90							1.50
Point Pleasant‖‖	Ohio	.04	.42	.12					.02			.15	.18	.04						.24	.02		.10	.14		.20	.56	.06					2.29
Rainelle	Meadow Creek	.12	.13	T.		T.	T.		.10	.08	T.	.10	.09	.38	T.					.01	.01		.17	.08	.02	1.30	.52						3.11
Ravenswood (Dam 22	Ohio‖‖	.03							T.	T.		T.	T.	.06						.15	.05					.28	.50						1.07
Richwood	Great Kanawha	.28	.14	.02			.01		.23	.17		.17	.22	.46	.01					.08	.26		.16	.16	.08	.50	.58	.04					3.57
Robertsburg‖‖	do	.04		.25					.03				.25							.17	.05			.13		.20	.41						1.53
Ryan	do	.10	.25			.01		.01	.15			.20	.01	.13						.18			.02			.63	.43	.05					2.17
Sharples‖‖	Coal River	T.	T.						.20	T.		.02		.10							.05						2.30						2.67
Spencer ‖‖	Great Kanawha	.08	.08	.03					.08				.16	T.	.46					.06	.08	T.		T		.24	.08	.24					1.59
Sutton	Gauley	.18	.08			.18			.08		T.	T.	.68	.34	.08					.52			.08	T.		.68	.18						3.08
Union	do	.60	T.							.32			.18	.16		T.							.24				1.50						3.00
Wayne ‖‖	Big Sandy	.20		.05						.09			.12	.04							.15			.18		.75	.43	.01					2.02
White Sulpr. Spgs.‖‖	Great Kanawha																																
Williamson‖‖	Big Sandy	.04	.05							T.		T.	.13	.06	.09		T.			.05	.05			.24		.95	1.65	.05					3.31

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	35	30	30	39	35	28	26	20	28	34	30	30	36	48	36	36	38	52	48	19	43	43	33	16	20	18	13	38	....	....	....	32.3
	Minimum	28	13	10	12	18	5	11	−23	−19	0	25	11	2	11	15	−6	8	4	13	−5	−1	20	8	−2	8	10	−4	−25	....	....	....	5.2
Brandywine	Maximum	37	24	32	48	47	34	35	35	20	30	35	42	37	35	60	46	32	55	50	26	48	46	32	22	20	17	25	28	....	....	....	35.7
	Minimum	24	12	1	10	15	12	20	10	−10	−18	10	23	17	4	29	20	3	9	22	6	5	25	15	5	14	2	12	−20	....	....	....	9.9
Kearneysville	Maximum	39	35	31	46	39	33	39	36	20	29	37	44	38	33	57	32	43	40	33	32	44	51	38	29	27	27	21	25	....	....	....	35.6
	Minimum	30	18	11	17	27	12	10	17	−6	−1	13	29	19	4	19	5	6	30	8	9	7	28	20	9	8	14	4	−17	....	....	....	12.5
Martinsburg*	Maximum	40	34	31	48	37	30	40	27	18	28	40	45	34	33	60	23	33	45	38	30	46	50	36	25	20	28	29	....	....	....	....	34.8
	Minimum	9	20	13	15	25	18	12	18	−6	5	4	17	25	6	6	18	10	9	20	7	8	14	20	8	11	15	5	−10	....	....	....	11.5
McNeill	Maximum	43	35	39	48	40	33	43	36	23	36	40	45	37	43	60	50	41	54	47	27	54	53	39	23	22	28	19	31	....	....	....	38.9
	Minimum	31	20	13	13	25	16	7	20	−5	−7	9	30	20	0	15	21	−2	3	24	8	2	23	20	7	15	15	−9	−23	....	....	....	11.1
Piedmont	Maximum	39	35	32	36	32	30	34	31	17	29	39	37	32	33	53	21	32	43	41	21	49	47	37	17	16	22	14	25	....	....	....	31.9
	Minimum	28	19	12	26	26	19	13	17	−7	−4	9	32	16	3	19	19	6	10	20	2	10	28	14	5	12	14	3	−11	....	....	....	12.9
Romney	Maximum	43	35	35	46	38	32	49	36	23	36	41	45	39	39	61	50	38	51	43	26	58	56	43	24	20	28	20	31	....	....	....	38.8
	Minimum	21	20	12	16	26	15	8	18	−6	−7	6	31	19	1	15	19	−1	4	24	5	4	24	17	7	13	14	4	−19	....	....	....	11.1
Upper Tract	Maximum	33	32	32	38	35	28	37	34	20	31	40	38	35	38	50	47	36	..	24	28	55	55	19	20	20	19	13	18	....	....	....	32.4
	Minimum	29	15	9	30	17	20	17	17	−10	−11	10	30	18	7	35	17	10	..	..	12	28	..	..	....	..	..	....	−18	....	....	....	14.1
Wardensville*	Maximum	42	32	34	47	34	34	37	30	19	31	39	44	29	55	59	52	48	51	38	34	53	33	22	....	27	25	15	38	....	....	....	37.1
	Minimum	21	19	7	13	24	24	7	13	−6	−7	5	16	23	2	15	19	−1	4	15	8	6	12	8	12	..	15	6	−20	....	....	....	9.6
Northern Division																																	
Alpena	Maximum	33	28	30	40	43	30	28	26	14	32	32	30	28	36	45	39	48	57	39	16	43	42	31	11	35	27	10	33	....	....	....	32.5
	Minimum	24	13	9	14	18	10	5	12	−12	−13	8	23	19	4	22	20	0	10	11	−5	−4	23	8	−2	9	7	−4	−19	....	....	....	7.2
Bens Run	Maximum	40	34	33	40	36	34	31	31	24	36	32	34	35	39	49	40	41	53	45	32	46	42	34	22	25	25	19	30	....	....	....	31.5
	Minimum	32	21	10	13	27	18	17	15	7	15	17	29	18	−2	23	35	10	12	18	−1	11	29	19	6	17	13	−10	−14	....	....	....	14.5
Buckhannon	Maximum	31	34	31	41	39	34	36	32	31	31	35	34	30	39	50	43	43	44	31	24	44	42	32	22	36	31	17	32	....	....	....	34.6
	Minimum	29	21	12	22	23	18	17	16	−9	−4	15	29	20	−3	27	21	17	16	20	3	9	30	20	5	16	16	3	−12	....	....	....	14.2
Cairo	Maximum	42	34	34	42	38	41	36	37	23	34	39	33	36	28	50	51	35	57	56	21	44	50	35	25	26	27	20	34	....	....	....	36.7
	Minimum	25	22	3	18	26	14	13	18	−9	−7	12	29	21	−6	21	17	6	12	19	−2	12	27	16	2	17	14	−16	−22	....	....	....	10.8
Clarksburg*	Maximum	34	33	42	40	40	30	34	26	17	39	34	34	23	59	50	30	40	54	35	35	45	41	28	18	28	18	17	33	....	....	....	33.9
	Minimum	14	21	5	6	25	13	12	16	−8	−8	4	27	20	−9	−5	18	8	10	12	−3	1	15	16	1	8	16	−17	−23	....	....	....	7.0
Creston	Maximum	35	32	36	43	40	34	40	31	21	40	31	34	32	46	51	54	45	65	40	35	47	43	33	22	30	26	20	35	....	....	....	37.2
	Minimum	27	22	0	17	23	18	15	20	−7	−5	14	28	21	−1	19	19	9	14	18	−3	9	25	18	2	18	14	−9	−18	....	....	....	11.7
Elkins	Maximum	40	26	33	45	41	27	34	26	9	34	34	32	30	40	53	28	40	54	41	19	47	43	30	16	33	31	10	34	....	....	....	33.2
	Minimum	26	18	13	21	22	14	14	4	−14	−9	14	28	13	4	28	16	12	13	7	0	1	27	11	2	13	5	−7	−18	....	....	....	9.9
Fairmont	Maximum	35	33	39	39	40	36	36	25	17	43	43	43	30	44	53	44	41	60	38	38	49	40	30	22	28	21	25	37	....	....	....	36.8
	Minimum	15	21	7	7	25	15	15	16	−8	−7	8	28	20	−6	−2	18	10	11	20	0	3	18	14	5	10	17	−6	−12	....	....	....	9.4
Glenville	Maximum	42	34	38	44	42	38	40	34	25	41	41	35	37	46	55	49	45	58	56	28	54	47	37	24	31	32	24	35	....	....	....	39.7
	Minimum	30	23	8	20	25	18	17	20	−7	−6	15	30	22	−5	24	23	11	16	20	−1	10	26	18	6	18	15	−11	−15	....	....	....	13.2
Grafton	Maximum	41	34	33	42	39	34	35	31	17	42	34	32	32	45	57	45	45	58	48	25	47	44	33	19	31	30	18	36	....	....	....	36.7
	Minimum	30	20	5	20	25	15	14	17	−9	−3	16	29	17	−9	24	19	10	17	18	1	8	28	16	6	17	15	13	−15	....	....	....	13.0
Lost Creek	Maximum	39	31	35	42	38	34	35	31	18	38	40	32	33	40	51	48	44	56	49	27	47	46	32	21	29	29	20	35	....	....	....	36.4
	Minimum	30	20	5	30	24	14	12	15	−10	−6	14	27	18	−9	20	18	6	10	16	−3	6	24	15	−5	15	14	−15	−25	....	....	....	10.0
Mannington	Maximum	40	33	29	40	35	31	34	31	16	34	34	35	34	35	50	44	37	51	45	21	44	44	36	20	25	26	16	32	....	....	....	34.0
	Minimum	26	20	−2	18	25	12	13	13	−9	−3	12	28	19	−1	12	16	6	10	18	−5	5	26	14	2	14	16	−21	−24	....	....	....	8.7
Morgantown	Maximum	39	32	31	40	34	32	31	31	21	37	34	34	34	38	50	35	34	56	50	20	44	43	31	16	24	23	11	31	....	....	....	33.4
	Minimum	31	15	4	22	23	18	10	7	−10	−5	16	17	12	−5	31	13	7	5	15	−3	7	28	9	0	13	10	−8	−11	....	....	....	9.7
New Cumberland*	Maximum	36	35	39	37	36	30	31	25	10	35	37	34	29	34	45	27	40	55	21	23	42	35	30	17	22	17	14	29	....	....	....	30.7
	Minimum	21	14	4	5	25	7	9	5	−13	−13	−2	25	19	0	−2	9	3	4	13	−4	−2	11	13	3	4	4	−5	−16	....	....	....	5.0
New Martinsville	Maximum	40	35	33	35	35	37	35	30	19	40	35	34	35	13	52	38	45	50	48	21	47	45	34	20	25	25	25	30	....	....	....	35.5
	Minimum	32	22	3	23	26	14	16	14	−8	2	17	30	20	−4	23	15	9	0	19	2	9	29	17	5	16	15	−10	−11	....	....	....	12.0
Parkersburg	Maximum	43	28	33	40	36	33	37	25	12	36	32	37	32	41	51	32	42	55	42	23	47	37	26	21	23	21	18	30	....	....	....	33.4
	Minimum	25	23	12	27	25	17	21	3	−7	2	21	29	17	6	28	16	12	21	8	1	15	26	12	8	16	8	1	−6	....	....	....	13.9
Parsons	Maximum	36	42	42	36	40	36	35	30	12	35	30	..	..	..	50	40	42	56	43	25	47	41	28	25	28	28	25	34	....	....	....	35.7
	Minimum	6	22	15	20	22	15	12	12	−14	−8	17	..	..	..	18	25	9	12	12	1	−4	25	1	15	25	10	−8	−18	....	....	....	9.7
Pickens	Maximum	40	31	35	40	40	37	27	27	19	35	32	36	29	41	49	37	42	54	44	34	44	42	..	23	36	37	29	38	....	....	....	36.0
	Minimum	27	14	11	22	20	23	13	11	−21	−10	12	24	10	−4	35	19	0	14	8	−11	0	25	..	−9	11	5	−7	−12	....	....	....	8.5
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
Wellsburg	Maximum	40	34	32	37	42	29	32	28	11	37	37	34	35	35	48	38	39	54	42	21	43	43	35	18	23	23	15	29	....	....	....	33.0
	Minimum	32	13	−1	20	25	4	21	5	−13	−7	9	30	17	−9	18	10	−1	8	15	−8	−3	27	14	3	14	13	−26	−22	....	....	....	7.4
Weston	Maximum	38	31	38	39	40	40	30	30	20	40	40	40	34	42	55	44	50	60	58	40	48	46	30	22	31	30	20	38	....	....	....	38.4
	Minimum	26	21	9	16	23	20	14	17	−8	1	20	30	20	2	20	20	12	18	20	3	10	27	12	9	20	19	−10	−16	....	....	....	13.4
Wheeling (Dam 12)	Maximum	52	22	36	36	30	33	31	22	14	36	38	35	21	40	47	29	40	51	21	21	43	37	21	18	25	18	15	30	....	....	....	30.8
	Minimum	14	18	4	5	27	10	11	8	−12	−1	1	21	3	0	3	7	6	6	1	−2	1	14	7	6	7	−2	−12	−14	....	....	....	4.9
Southern Division																																	
Beckley	Maximum	34	33	41	42	41	32	38	33	21	31	33	33	31	48	54	40	44	53	42	37	49	43	32	25	32	33	22	27	....	....	....	36.6
	Minimum	25	18	15	23	21	19	12	18	−7	−2	16	25	17	13	38	24	7	19	12	−1	10	26	12	6	16	7	−4	−8	....	....	....	13.5
Bluefield	Maximum	38	32	36	..	46	45	42	43	41	32	..	38	33	50	53	45	42	..	53	27	51	..	49	27	..	42	19	28	....	....	....	39.7
	Minimum	28	21	18	..	25	22	20	26	6	6	..	22	20	20	44	29	15	..	18	4	15	..	16	12	..	13	0	1	....	....	....	17.5
Gary*	Maximum	35	35	44	45	44	35	43	40	27	42	33	38	28	55	59	35	48	58	38	36	55	35	28	..	36	22	21	35	....	....	....	38.9
	Minimum	4	27	21	21	26	27	18	18	12	11	14	27	26	18	21	30	16	16	25	8	5	16	20	16	..	17	3	−4	....	....	....	17.1
Hinton*	Maximum	35	32	46	48	45	36	44	35	25	39	32	37	29	52	55	40	49	58	38	33	55	25	28	30	34	25	20	25	....	....	....	37.6
	Minimum	21	17	20	20	25	27	18	19	6	5	15	23	24	18	18	25	17	18	20	6	15	27	20	14	20	15	3	−8	....	....	....	16.8
Huntington	Maximum	39	34	40	46	43	37	43	37	21	37	33	37	36	54	58	48	44	58	51	29	52	47	36	27	30	25	24	33	....	....	....	39.2
	Minimum	33	26	11	28	25	25	23	21	−4	4	21	31	29	20	35	22	15	22	20	8	18	31	22	12	19	14	2	0	....	....	....	19.0
Lewisburg	Maximum	37	35	41	38	37	38	41	35	30	33	32	35	33	50	53	46	49	53	48	47	48	48	34	27	27	26	22	25	....	....	....	38.1
	Minimum	25	25	18	20	25	21	12	23	−1	−5	9	28	20	11	25	14	12	11	19	14	15	23	11	17	19	11	2	−8	....	....	....	15.1
Madison	Maximum	35	31	50	48	45	36	41	31	20	40	34	39	31	54	58	36	47	59	40	30	51	41	29	26	33	20	21	39	....	....	....	38.1
	Minimum	25	15	23	23	25	18	20	−2	−3	0	28	26	15	20	26	13	14	30	4	7	18	20	11	13	15	4	−3	4	....	....	....	14.6
Marlinton	Maximum	30	26	30	36	32	30	34	30	24	24	26	34	28	38	32	30	42	50	42	32	38	54	32	34	32	38	22	38	....	....	....	33.7
	Minimum	26	18	18	12	14	16	4	20	−2	−12	0	24	14	10	18	10	−4	8	10	0	4	6	0	2	6	−2	−2	−22	....	....	....	7.0
Point Pleasant	Maximum	38	32	36	40	39	38	38	33	20	37	35	35	32	51	50	46	45	58	55	28	49	46	33	24	25	24	25	32	....	....	....	37.3
	Minimum	30	20	2	19	21	20	18	16	−9	−4	16	27	23	11	30	15	10	19	17	3	12	27	18	4	14	12	−3	−11	....	....	....	13.5
Rainelle	Maximum	32	28	40	40	38	35	37	34	24	27	33	33	32	43	52	42	43	49	38	21	46	45	32	23	27	30	29	22	....	....	....	34.8
	Minimum	26	18	16	16	22	19	7	22	−7	−5	5	27	17	6	21	25	2	10	13	0	1	23	13	6	18	11	−2	−19	....	....	....	11.1
Ravenswood	Maximum	40	35	30	31	34	35	32	33	22	34	33	35	37	43	52	50	38	54	55	25	47	46	34	25	26	24	17	35	....	....	....	35.8
	Minimum	32	22	2	20	25	20	18	18	−7	1	20	29	23	7	31	17	11	19	19	2	15	27	20	5	18	14	−11	−14	....	....	....	14.4
Richwood	Maximum	36	31	36	42	41	38	37	38	34	31	38	34	32	46	52	49	41	51	41	46	46	47	33	21	32	37	12	31	....	....	....	37.6
	Minimum	28	23	11	12	21	18	10	23	7	6	12	26	17	10	30	26	6	15	18	−1	6	21	8	4	18	12	−2	−8	....	....	....	13.5
Robertsburg*	Maximum	39	32	40	38	38	32	38	24	20	40	33	40	29	52	51	46	47	58	35	30	52	35	30	23	27	20	23	32	....	....	....	36.0
	Minimum	10	21	0	1	22	21	12	19	−4	4	1	26	24	12	17	17	9	9	22	3	4	18	19	4	5	13	−4	−9	....	....	....	10.3
Ryan	Maximum	31	28	33	38	38	31	35	28	17	35	28	30	32	44	50	32	38	54	35	22	45	35	30	22	29	25	19	32	....	....	....	32.7
	Minimum	22	19	−9	12	18	17	17	17	−10	−9	9	25	20	3	22	3	7	13	3	−6	8	30	3	1	14	9	−11	−17	....	....	....	8.2
Spencer*	Maximum	35	30	42	43	40	35	40	22	22	38	33	36	29	54	53	35	48	57	38	36	49	39	28	23	30	20	20	31	....	....	....	35.0
	Minimum	30	23	2	22	26	20	18	22	−6	−2	19	29	24	5	30	21	12	20	36	1	12	28	19	6	18	15	−1	−14	....	....	....	15.5
Sutton	Maximum	41	34	35	40	40	39	39	39	23	40	40	34	34	51	51	50	42	60	60	28	50	50	35	25	34	34	20	35	....	....	....	39.4
	Minimum	31	23	7	22	26	21	15	20	−6	−8	12	21	22	4	27	25	11	14	19	1	13	27	16	7	17	15	−4	−11	....	....	....	13.8
Union	Maximum	46	33	33	..	38	38	40	40	34	28	..	33	33	54	54	45	38	..	25	27	56	46	34	25	..	19	19	21	....	....	....	35.8
	Minimum	25	19	8	..	13	14	14	24	3	−5	..	17	21	31	28	27	13	..	12	3	24	23	17	12	..	18	4	−7	....	....	..	14.9
White Sulphur Spgs*	Maximum	37	37	41	48	42	38	43	38	31	30	40	40	30	42	54	36	45	50	38	32	55	52	34	34	36	34	29	35	....	....	....	39.3
	Minimum	20	10	14	18	25	10	20	7	−6	5	22	29	22	28	30	18	20	30	10	12	25	23	12	24	27	8	−10	10	....	....	....	16.5
Williamson*	Maximum	37	35	48	48	48	37	43	37	32	42	33	40	33	52	58	38	46	56	40	40	50	39	33	30	29	22	20	35	....	....	....	39.4
	Minimum	11	28	25	26	28	30	23	25	3	3	20	30	30	20	24	32	19	20	25	11	12	23	23	16	17	18	6	4	....	....	....	19.7

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 3-29-34—900)

51.05
UWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

40

R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., MARCH, 1934 No. 3

GENERAL SUMMARY

The month was considerably colder and somewhat wetter than usual, with a large number of rainy days. This was the third consecutive March with the precipitation averaging much above the normal. Unusually low temperatures prevailed on the mornings of the 1st and 12th, the readings were near or somewhat below zero at practically all stations. The warmest weather occurred during the second decade, with the highest temperatures occurring generally on the 17th, although in some of the mountain districts and extreme southern section, they were noted on the 21st or 30th. Precipitation occurred frequently during the first decade with thunderstorms on several days, the amounts were heavy in most districts of the southern section, resulting in near flood stages in the Great Kanawha River, and a slight flood in the Ohio at Pt. Pleasant. The snowfall averaged much above the normal, and was heavy in scattered localities of the mountain districts. Weather conditions during the month were unfavorable for most farming operations. Extreme cold weather, with ground frozen in many counties, made plowing practically impossible. The planting of early potatoes and vegetable crops was about two weeks late. Winter grains were reported in fair to good condition.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 38.9° or 3.4° below the March normal. The temperatures were continuously below the normal, except for a few short periods. Mild weather for the season prevailed on a few days during the second and third decades. The highest monthly mean temperature was 43.3° at Charleston, and the lowest, 33.1° at New Cumberland. The highest temperature was 80° at Charleston on the 17th, and the lowest was 18° below zero at Clarksburg on the 1st, making the monthly range for the State, 98°.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 4.26 inches, which was 0.38 inch above the normal. The precipitation was the heaviest over the extreme southern and central sections, and lightest in the eastern counties. Precipitation was general from the 2d to the 11th, 14th, 18th, and from the 23d to the 28th, the greatest amounts being measured on the 3d, 8th, and 27th. Light to moderate snow fell during the first half of the month, and on the 23d and 24th. The greatest monthly precipitation was 8.09 inches at Beckley, and the least was 1.42 inches at Upper Tract. The greatest monthly snowfall was 29.0 inches at Sutton. The greatest amount of precipitation in any 24 consecutive hours was 2.00 inches at Brownsville on the 7th. The average number of days with .01 inch or more of precipitation was 15.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 3d and 4th; Bancroft, 5th; Beckley, 18th and 22d; Bruceton Mills, Creston, and Fairmont, 3d; Hinton, 5th; Huntington, 29th and 30th; Mannington, 3d and 4th; Marlinton, 1st and 3d; Morgantown, 3d and 4th; New Cumberland, 1st and 3d; Parkersburg, 3d, 4th, and 25th; Parsons, 3d and 4th; Pickens, 14th, 18th, 22d, 24th, 27th, and 28th; Piedmont, 3d and 4th; Spencer, 3d and 5th; Williamson, 29th.

Hail, light: Beckley, Elkins, Glenville, Huntington, and Parkersburg, 5th; New Cumberland, 19th.

Halos, lunar: Huntington and Pickens, 1st; Elkins, 25th; Elkins, Parkersburg, Parsons, and Wellsburg, 26th.

Thunderstorms (dates and number of stations reporting): 4th, 1; 5th, 16; 6th, 2; 7th, 2.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.16	30.54	28	29.61	4	9.4	30	sw.	5	81	58	60	55
Columbus, Ohio	30.15	30.56	1	29.64	4	12.0	40	w.	6	76	62	61	48
Elkins	30.20	30.69	1	29.64	4	6.7	32	w.	5	84	67	74	44
Parkersburg	30.19	30.61	1	29.65	4	7.1	27	nw.	5	82	62	62	37
Pittsburgh, Pa	30.16	30.61	1	29.60	4	11.0	41	w.	5	74	68	64	45
Wytheville, Va	30.15	30.72	1	29.59	4	7.1	31	w.	6	79	65	70	45

COMPARATIVE DATA FOR MARCH

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	34.9	− 7.4	.....	......	4.91	+1.03	......	......	......	...	...	...	...
1892	36.4	− 5.9	87	8	3.50	−0.38	...	......	......	...	...	...	...
1893	40.7	− 1.6	84	3	1.49	−2.39	2.89	0.89	5.2	9	8	8	15
1894	45.8	+ 3.5	88	1	1.94	−1.94	3.05	0.75	1.9	8	15	9	7
1895	39.6	− 2.7	90	0	3.05	−0.83	4.75	0.89	7.9	11	10	9	11
1896	36.1	− 6.2	76	−10	4.45	+0.57	8.40	1.76	......	13	11	8	13
1897	46.1	+ 3.8	81	12	3.60	−0.28	6 52	1.33	......	12	9	10	12
1898	48.5	+ 6.2	86	9	5.13	+1.25	10.05	1.25	T.	12	8	9	14
1899	42.5	+ 0.2	76	0	5.82	+1.94	8.48	2.40	4.5	13	7	9	15
1900	38.5	− 3.8	78	− 5	3.79	−0.09	6.48	2.18	14.7	12	7	9	15
1901	42.9	+ 0.6	83	−11	3.23	−0.65	5.27	0.90	2.3	12	8	8	15
1902	43.4	+ 1.1	80	− 5	4.30	+0.42	6.29	3.00	15.0	11	10	9	12
1903	51.3	+ 9.0	87	13	4.47	+0.59	6.59	2.70	0.2	11	10	9	12
1904	43.8	+ 1.5	86	7	4.12	+0.24	6.10	1.38	1.9	11	9	8	14
1905	46.6	+ 4.3	88	− 2	4.10	+0.22	6.46	1.45	0.7	10	14	7	10
1906	37.3	− 5.0	75	− 7	4.77	+0.89	8.11	1.98	13.4	14	7	6	18
1907	49.6	+ 7.3	94	2	4.77	+0.89	8.18	1.05	4.2	12	12	8	11
1908	47.8	+ 5.5	89	15	6.04	+2.16	8.60	1.23	1.1	13	11	8	12
1909	40.8	− 1.5	83	10	3.38	−0.50	8.66	1.10	4 7	13	9	10	12
1910	49.5	+ 7.2	90	5	0.55	−3.33	2.25	0.04	1.1	4	18	9	4
1911	40.5	− 1.8	90	− 5	3.30	−0.58	7.86	1.12	5.2	12	11	8	12
1912	39.9	− 2.4	80	6	5.02	+1.14	9.36	1.78	5.1	15	8	7	16
1913	45.7	+ 3.4	89	− 3	4.53	+0.65	7.90	1.77	2.7	12	11	9	11
1914	37.3	− 5.0	83	−13	3.03	−0.85	7.11	0.89	17.7	12	10	8	13
1915	34.4	− 7.9	63	7	1.61	−2.27	4.32	0.53	6.7	8	12	7	12
1916	38.5	− 3.8	88	− 4	4.88	+1.00	9.88	2.49	9.0	13	11	7	13
1917	41.9	− 0.4	85	− 3	6.58	+2.70	14.20	3.10	11.6	14	14	4	13
1918	46.5	+ 4.2	85	9	4.26	+0.38	9.37	1.55	0.1	9	16	5	10
1919	44.5	+ 2.2	81	12	2.92	−0.96	4.81	1.60	0.8	9	16	6	9
1920	42.8	+ 0.5	83	− 5	3.38	−0.50	8.87	1.40	3.1	9	17	5	9
1921	52.7	+10.4	90	10	2.84	−1.04	5.75	0.63	T.	10	14	8	9
1922	45.0	+ 2.7	85	0	5.33	+1.45	8.19	1.40	3.3	15	10	5	16
1923	41.7	− 0.6	82	− 4	3 23	−0.65	5.50	0.88	3.2	10	15	5	11
1924	38.9	− 3.4	83	4	4.16	+0.28	7.86	1.60	9.9	11	10	7	14
1925	43.6	+ 1.3	82	−12	3.25	−0.63	6.59	1.00	2.2	11	12	6	13
1926	35.9	− 6.4	75	− 9	2.87	−1.01	9.82	0.35	10.0	13	10	7	14
1927	45.4	+ 3.1	89	5	2.66	−1.22	4.97	0.20	1.0	9	11	6	14
1928	41.4	− 0.9	86	− 3	3.87	−0.01	7.64	1.32	16.3	12	10	9	12
1929	46.7	+ 4.4	92	− 2	3.47	−0.41	6.65	1.27	4.8	12	12	6	13
1930	40.3	− 2.0	79	0	3.21	−0.67	6.03	0.20	6.9	11	14	6	11
1931	37.4	− 4.9	68	10	3.52	−0.36	7.95	1.90	9.0	16	4	6	21
1932	36.6	− 5.7	80	− 3	5.32	+1.44	9.79	2.25	8.0	13	8	8	15
1933	40.5	− 1.8	80	− 4	5.92	+2.04	11.59	1.59	5.1	15	8	6	17
1934	38.9	− 3.4	80	−18	4.26	+0.38	8.09	1.42	11.4	14	10	6	15
Period	42.3	......	94	−18	3.88	....	14.20	0.04	5.8	12	11	7	13

Climatological Data for March, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	34.7	−3.0	67	17	−4	1	46	3.36	−1.17	0.80	22.0	15	11	7	13	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	39.3	−2.1	70	17†	0	1	47	3.40	+0.85	0.80	13.0	9	16	1	14	s.	Elmer Keister
Circleville	Pendleton	...	2	...	...	...	...	...	...	...	3.86	...	0.74	5.2	12	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	...	...	...	...	...	...	...	2.65	−0.35	0.99	12.5	12	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	4	38.6	...	75	18	1	1	42	3.01	...	0.95	10.0	12	13	4	14	n.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	[a]38.9	−2.7	78[a]	18	4	1	48	2.32	−0.91	0.85	10.0	11	19	10	2	w.	Dr. H. S Gardner
McNeill	Hardy	900	38	39.4	−5.2	75	21	5	1†	55	2.69	+0.06	0.64	9.0	9	6	7	18	w.	John W. McNeill
Piedmont	Mineral	1,053	21	37.0	−4.2	73	17	3	1	45	1.67	−1.29	0.36	9.5	8	12	5	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	38.4	−4.0	76	17	−4	1	53	2.05	−0.76	0.40	7.0	12	11	6	14	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	...	...	...	...	...	...	...	4.14	+0.79	0.90	22.0	12	4	3	24	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	...	...	69°	21	...	...	...	1.42	−0.75	0.42	5.0	4	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	37.6	−4.3	74	17	−4	1	48	2.43	+0.23	0.56	9.5	15	10	13	8	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	...	...	...	...	...	...	...	4.52	+0.73	0.92	14.7	17	9	6	16	w.	L. Else Bond
Alma (near)	Tyler	800	7	...	...	...	...	...	...	...	2.94	...	0.69	12.2	14	11	5	15	...	D. N. Furbee
Alpena [a]	Randolph	2,571	4	35.0	...	65	17	−7	12	46	4.72	...	0.80	24.5	13	7	8	15	...	Christian Hertig
Benson	Harrison	1,080	10	37.0	−3.3	74	30	−5	1	49	4.02	+0.56	0.95	13.5	17	10	8	13	...	R. D. Marts
Bens Run	Pleasants	652	32	39.5	−4.0	74	30	7	12	42	3.68	+0.33	0.76	10.8	11	17	5	9	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	39.7	−2.2	75	31	0	12	52	5.74	+2.27	2.00	12.0	16	8	11	12	...	George M Meyers
Bruceton Mills	Preston	1,549	17	...	...	...	...	...	...	...	3.85	+0.07	0.80	7.5	13	6	12	13	e.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	37.4	−4.5	71	30	4	12	42	5.17	+0.65	1.15	12.5	13	11	6	14	...	H. A. Darnall
Cairo	Ritchie	680	33	38.6	−5.7	75	18†	2	12	50	3.38	−0.59	0.61	12.4	12	11	5	15	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	36.6	−3.1	75	30	−18	1	59	3.61	+0.59	0.84	11.5	18	6	7	18	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	...	...	...	...	...	...	...	5.12	+0.79	0.85	12.6	17	8	6	17	nw.	George W. Blair
Creston	Wirt	640	32	39.0	−5.0	75	31	0	12	48	4.05	+0.16	0.70	10.0	14	13	1	17	...	P. M. Basnett
Dam 10 Mon. R	Marion	826	13	...	...	...	...	...	...	...	3.90	+0.13	1.09	10.0	19	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	18	...	...	...	...	...	...	...	3.08	−0.04	0.60	5.5	14	...	...	...	...	Lockmaster
Dam 15 Mon. R	Monongalia	882	13	...	...	...	...	...	...	...	3.66	+0.25	1.00	8.5	19	...	...	...	...	Lockmaster
Davis	Tucker	3,093	25	...	...	...	...	...	...	...	4.28	−0.28	0.70	23.0	15	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	22	...	...	...	...	...	...	...	3.81	+0.10	0.64	12.5	15	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	33	37.2	+2.8	69	17	−1	12	46	4.66	+0.86	0.96	16.1	20	6	7	18	n.	U. S. Weather Bureau
Fairmont	Marion	883	28	38.4	−3.1	77	30	−10	1	54	4.16	+0.35	0.94	15.1	20	7	7	17	w.	J. C. Robinson
Glenville	Gilmer	738	40	40.8	−3.9	78	31	1	12	50	4.75	+0.59	0.82	10.9	17	10	2	19	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	39.2	−2.3	75	30	6	1	45	3.97	+0.04	0.88	16.0	15	12	1	18	...	W. E. Clayton
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	4.70	+0.94	1.00	...	15	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	9	...	...	...	...	...	...	...	3.35	−0.40	0.73	12.0	9	12	2	17	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	39.4	−3.0	75	30	−2	1	49	4.38	+1.12	1.00	11.5	13	13	2	16	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	38.6	−3.8	78	30	−4	1	54	4.37	+0.47	1.18	14.7	18	10	2	19	w.	Allen Smith
Mannington	Marion	985	31	36.5	−5.8	72	30	−5	1	47	3.87	+0.10	0.79	8.4	17	9	7	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	38.9	−3.2	76	30	7	11	44	5.67	+2.17	1.09	20.5	16	11	8	12	sw.	Bruce Davis
New Cumberland	Hancock	671	36	33.1	−6.3	73	30	−15	1	55	2.24	−1.00	0.90	6.5	14	9	4	18	u.	C. H. Hesse
New Martinsville	Wetzel	634	40	38.8	−4.5	76	30	5	12	48	3.47	−0.18	0.70	7.6	11	8	7	16	n.	Wm. Ankrom
Parkersburg	Wood	638	47	39.4	−3.4	73	17	7	12	42	3.19	−0.30	0.73	11.7	13	8	6	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	39.5	−1.0	74	14	−1	12	49	5.89	+1.68	...	8.5	...	6	9	16	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	...	...	...	...	...	...	...	4.22	+0.01	0.78	16.0	15	12	7	12	...	Robert T. Deem
Philippi	Barbour	1,550	37	...	...	...	...	...	...	...	4.87	+0.76	1.47	...	13	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	31	36.8	−2.4	72	30	−4	12	48	6.29	+0.27	1.38	25.0	16	13	5	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	4.29	+0.67	1.07	14.0	20	12	1	18	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Walter H. Bolyard
Saint Marys	Pleasants	577	25	...	...	...	...	...	...	...	3.28	−0.46	0.85	11.0	16	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Walter Steen
Thomas	Tucker	2,950	5	...	...	...	...	...	...	...	3.91	...	0.66	...	16	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	11	39.1	−3.4	74	30†	0	12	47	5.00	+1.31	1.02	15.0	18	10	3	18	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	...	...	...	...	...	...	...	4.95	+1.75	1.05	...	11	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	27	36.2	−3.6	74	30	−4	1	49	2.72	−0.57	0.78	5.5	9	12	6	13	...	George P. Pfister
West Milford	Harrison	979	9	...	...	...	...	...	...	...	4.62	+1.08	0.90	...	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	42.1	−1.7	76	30	3	12	46	5.09	+0.83	0.78	13.5	18	7	7	17	...	A. Henry
Wheeling (Dam 12)	Ohio	659	47	34.6	−5.9	75	30	7	2	53	2.60	−0.51	0.58	6.0	15	7	5	19	...	Lockmaster
Woodlands	Marshall	637	7	...	...	...	...	...	...	...	2.85	...	0.74	5.0	11	15	3	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	...	...	...	...	...	...	...	4.08	...	1.07	11.0	13	10	6	15	w.	H. S. Sutton
Bancroft	Putnam	574	30	42.4	−1.4	75	17†	10	12	46	3.75	−0.10	0.85	...	10	8	6	17	w.	Charles N. Long
Beckley	Raleigh	2,440	31	38.2	−4.5	68	17	−3	12	45	8.09	+4.29	1.84	8.0	22	7	8	16	...	L. A. Mauck
Bluefield [c]	Mercer	2,558	39	43.2	−1.2	67	17†	9	12	39	6.70	+3.31	1.24	1.5	15	9	7	11	...	Norfolk & Western Ry.
Charleston (Dam 6 G. K)	Kanawha	600	31	[a]43.3	−4.1	80[a]	17	2	1	64	3.55	−0.79	0.83	...	16	...	...	...	...	Lockmaster
Clay	Clay	706	18	...	...	...	...	...	...	...	5.50	+1.51	0.89	11.2	19	...	...	...	...	Chilton Wilson
Dam 19 O. R.	Wood	600	18	...	...	...	...	...	...	...	3.10	−0.61	0.99	...	17	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	18	...	...	...	...	...	...	...	3.23	−0.52	0.84	...	16	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	7	...	...	...	...	...	...	...	3.27	...	0.74	...	14	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	18	...	...	...	...	...	...	...	4.04	+0.36	0.80	...	16	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	...	...	...	...	...	...	...	5.64	...	1.30	9.3	11	...	...	...	...	Mrs. D. R. Gandinees
Gary	McDowell	1,426	18	41.0	−1.5	71	17	0	1	56	7.25	+3.57	1.02	1.0	20	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	40.4	−3.7	74	17†	11	12	51	7.07	+3.18	1.16	...	18	14	1	16	...	Mrs. M. L. McClung
Huntington	Cabell	538	37	43.0	−2.0	75	17†	14	11†	41	3.96	−0.27	0.71	9.4	15	9	6	16	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	18	...	...	...	...	...	...	...	5.69	+1.37	0.76	16.0	17	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	...	...	...	...	...	...	...	2.61	...	1.00	...	5	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	40.0	−2.1	70	15†	8	1	58	2.93	−0.68	1.24	4.0	12	9	9	13	...	Rose Argabrite
Logan	Logan	700	31	...	...	...	...	...	...	...	6.14	+1.33	0.97	...	16	...	...	...	...	J. R. Wampler
Madison	Boone	675	13	42.1	−0.6	76	17	10	11	44	4.84	+0.66	0.86	1.6	19	12	13	6	...	W. E. Holy
Marlinton	Pocahontas	2,131	35	36.6	−1.3	72	17†	0	1	54	5.15	+0.75	1.36	7.0	9	8	15	8	sw.	S. L. Brown
Point Pleasant	Mason	595	41	40.0	−5.2	75	30	5	1	46	4.28	+0.21	0.68	13.5	16	12	7	12	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	36.6	...	74	17	−7	12	53	6.98	...	1.05	10.0	20	11	2	18	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	40.2	−3.1	75	31	5	12	44	3.34	−0.38	0.65	7.5	14	12	3	16	se.	Lockmaster
Richwood	Nicholas	2,193	4	40.0	...	69	18	0	12	42	6.45	...	0.98	17.0	19	10	8	13	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	38.2	−5.7	75	16	−6	1	59	3.53	−0.33	0.59	3.5	18	14	0	17	...	M. Frazier
Ryan	Roane	700	31	34.8	−8.0	75	30	−2	12	53	4.47	+0.22	0.78	11.2	16	11	3	17	...	Wm E. Ryan
Sharples	Logan	889	14	...	...	...	...	...	...	...	5.03	+1.29	1.21	...	9	...	...	...	...	R. W. Howard
Spencer	Roane	789	30	40.6	−2.3	77	31	5	12	45	5.26	+1.41	0.89	12.0	18	6	10	15	...	A. M. McKown
Sutton	Braxton	850	28	41.4	−2.8	75	30†	2	12	49	6.58	+2.36	1.20	29.0	18	13	0	18	...	C. B. Eakle
Union [d]	Monroe	2,250	30	40.4	−3.0	70	17	3	1	45	4.85	+1.44	1.25	16.0	11	14	1	12	...	C. B. King
Wayne	Wayne	598	7	...	...	...	...	...	...	...	3.94	...	1.01	5.5	12	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	41.8	−0.8	70	17†	2	11	37	6.20	+3.09	1.20	...	14	16	3	12	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	42.6	−4.1	73	26	12	1	45	6.18	+1.78	1.10	0.5	20	11	5	15	se.	J. E. Dotson
State averages and	extremes	...	...	38.9	−3.4	80	17	−18	1	64	4.26	+0.38	2.00	11.4	14	10	6	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for March, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac			.30	.06		.08		.80	.10	.09	.18	.10		.08									.32	.44		.21	.28	.06			.26	3.36
Brandywine	do			.15	.10	.10		.20	.75												.45			.60					.80			.25	3.40
Circleville	do			.68	.04	.43		.07	.74	.36		.09									.26		.07	.38	.04				.70				3.86
Harpers Ferry ||||	do			.12	T.	.10			.23	.50		.12								T.	T.			.02	.14	.11	.05	.02	.99			.25	2.65
Kearneysville	do		.04	.25		.30	.03	T.	.51			.07												.09	.16		.11	.33	.62			.50	3.01
Martinsburg ||||	do			.05	.02	.15		.02	.15	.55		.15									T.			T.	.26	.10	.02		.85			T.	2.32
McNeill	do	T.	T.	.10	.12	.34	.13	T.	.64		T.	T.							T.	T.			T.	.43	T.		T.	.58	.06			.24	2.69
Piedmont	do			.02	.25		T.		.36			T.												.32	.06		.20	.10				.36	1.67
Romney||||	do		.01	.09	.05	.40	.11	.01	.40															.16			.08	.20	.32			.22	2.05
Stony River Dam	do			.90	.04	.50	.16		.48	.16		.16	.16											.34	.34		.50		.40				4.14
Upper Tract	do							.40	.42																			.40	.20				1.42
Wardensville||||	do			.10		.30	.03	.07	.40	.16		.03							.06		.06		.17	.25	.02		.03	T.	.56			.19	2.43
Northern Division																																	
Aberdeen	Monongahela		T.	.50	.17	.25	.20	.26	.86		.02	.14			.21				.13	T.			.06	.25	.09		.22	.92	.16			.08	4.52
Alma (near)	Ohio			.40	.47	.22		.11	.30		.05				.10				.05				.06	.16	.01		.30	.69	.02				2.94
Alpena	Monongahela		T.	.79	.49	.35	.13	.38	.80		.04	.40			.04				.06	T.			T.	.40	T.			.57				.27	4.72
Benson	do			.48	.25	.20	.05	.25	.45		.10	.10			.12				.05				.15	.20	.05		.35	.95	.12			.15	4.02
Bens Run	Ohio		.25	.35	.76	.15		.10	.34						.15				.10					.50			.41	.57					3.68
Brownsville	Monongahela			.60	.16	.12	.20	2.00	.85		.04	.06			.13				.14					.20	.05		.22	.76	.12			.09	5.74
Bruceton Mills	do				.01	.22	T.		.34	.40	.08			.10	.80				T			T.		.18	.05	.20	.50	.65				.32	3.85
Buckhannon	do		.04	.61	.30	.28	.30	.32	1.13		.12				T.				.40	.07			T.	.35				1.15	.10			T.	5.17
Cairo	Little Kanawha			.37	.59		.27	.15	.40			.12			.03				.05				.09	.32			.38	.61					3.38
Clarksburg||||	Monongahela			.25	.32	.15	.32	.08	.38	.12		.06			.05	.06				.04			.12	.20	T.	.06	.10	.18	.84			.28	3.61
Crawford||||	do		.05	.49	.32	.37	.42	.44	.83		.08				.13				.16	.04				.27	.33		.05	.85	.12			.17	5.12
Creston||||	Little Kanawha			.30	.54	.10	.20	.23	.70	.10		.05			.12					.15				.34			.33	.54	.35				4.05
Dam 10, Mon. R.||||	Monongahela			.24	.33	.38	.32	.11	.09	.19		.21			.08	.10				.16		.06		.12	.04	.07	.13	.16	1.09			.02	3.90
Dam 13, O. R.||||	Ohio			.30	.60	.10	.30	.02		.12	.06	.18			.12	T.				.18				.03			.16	.36	.55				3.08
Dam 15, Mon. R. ||||	Monongahela			.22	.39	.14	.24	.08	.12	.15		.10			.04	.03				.06			.16	.24	.02	.09	.15	.16	1.00			.27	3.66
Davis ||||	do			.15	.40	.65	.30	.60	.70	.65	.16	.15	T.			.05				T.			.05	.16	.10			.10				.06	4.28
Elizabeth (D'm 3 LK)	Little Kanawha			.27	.54	.05	.27	.23	.45	.06		.05			.10					.10			.03	.24			.42	.64	.36				3.81
Elkins***	Monongahela		.28	.31	.49	.26	.08	.64	.73		.11	.05			.11				.10	.09		.01	.12	.18	.11		.04	.83	.03			.09	4.66
Fairmont||||	do		.25	.39	.11	.23	.12	.24	.24		.16			.20	.14				.13			.15	.24	.02	.05	.19	.19	.94			.10	.67	4.16
Glenville ||||	Little Kanawha			.27	.29	.30	.32	.37	.63	.12		.34			.09					.08				.38	.10	.12	.23	.21	.82			.08	4.75
Grafton ||||	Monongahela		T.	.40	.13	.13	.24	.18	.42		.13	.30	T.		.20				T.					.18	.15		.38	.88	.10			.15	3.97
Horner	do		.25	1.00		.35	.55	.15	.20		.10	.05			.10				.25				.35	.10			.15		.90	.20			4.70
Horton	do			.51	.12	.12	.15	.42	.73															.63				.55	T.			.12	3.35
Janelew (near)	do			.50	.10	.35	.25	.28	.85			.10			.15				.13					.30			.27	1.00				.10	4.38
Lost Creek	do		.03	.51	.25	.16	.10	.22	.78	T.	.04	.03			.09				.05				.11	.26	.04		.38	1.18	.08			.06	4.37
Mannington	do		T.	.43	.50	.41	.05	.10	.26		.04	.02			.13				.12				.10	.21	.04		.40	.77	.02			.27	3.87
Morgantown	do		T.	1.09	.35	.50	.12	.13	.16	.50	.24	.24	.05		.40				.13	T.			.25	.08	T.		.43	1.00	T.			T.	5.67
New Cumberland||||	Ohio			.20	.23	.02		.04		.09	.03	.09			.21	.01			.01	.09							.05	.90	.27				2.24
New Martinsville	do			.48	.70	.22		.18	.26		.08	T.	T.		.25				.18					.06			.38	.68	T.				3.47
Parkersburg***	do		.04	.27	.60	.12		.23	.34		.24				.06				.07				.09	.24	T.		.34	.55					3.19
Parsons	Monongahela			*	*	*	*	2.00	.34		.16					.12	.80			.08			.20	.05	.16			*	1.80			.18	5.89
Parsons No. 2	do		T.	.62	.25	.20	.35	.30	.78	T	T.	T.			.12				T.		.03		.10	.39	.10		.07	.66	.05			.20	4.22
Philippi	do			.38	.19	.38		.40	.68	.20		.15			.15					.18			.26	.35	T.				1.47			.08	4.87
Pickens	do		.30	1.08	.56	.25		.62	.80	.16	.24	.24			.14				.22	.25			.08	.24	T.			1.01	.10				6.29
Roanoke	do		.02	.63	.19	.33	.20	.22	.56	.01	.05	.01			.16				.03	.12	.02		.10	.22			.10	1.07	.13			.12	4.29
Rowlesburg||||	do																																
Saint Marys||||	Ohio	.06	.05	.25	.85	.05	.07	.20		.12		.14			.20					.07			.03	.20			.37	.35	.27				3.28
Terra Alta	Monongahela																																
Thomas ||||	do			.55	.09	.56	.14	.10	.60	.25	T.	.13	.02			.12	T.						.16	.40		.08	.03	.02	.66				3.91
Valley Chapel	do		.02	.51	.20	.47	.05	.23	1.00		.03	.06			.10				.05				.22	.35	.05		.38	1.02	.06			.20	5.00
Vandalia	do		1.05	.65	.20		.35	.41		.71						.13				.17					.34			.81	.13				4.95
Wellsburg	Ohio		T.	.2	.43	.15	.20	T	T.		.30				.12				.24								.30	.78					2.72
West Milford	Monongahela			.45		.50				.85			.10					.30					.40			.80		.90	.10			.22	4.62
Weston	do			.48	.18	.38	.24	.21	.78	.16		.13			.11					.14			.08	.29	.02	.06	.44	.42	.76			.21	5.09
Wheeling (Dam 12)||||	Ohio			.21	.58	.02	.25		.03	.09	.04	.11			.09	.02			T.					.08	.04		.10	.40	.54				2.60
Woodlands||||	do			.29	.74	.08	.19	.14	.04	.10		.16			T.									T.			.15	.50	.46				2.85
Southern Division																																	
Arbovale	Great Kanawha		.30	.72	.20	.01	T.	.58	.16		T.	.05			T.				T	.30	.12		T.	.60	.04			1.07	T.			.13	4.08
Bancroft ||||	do			.44		.35		.20	.85		T.	.11							T.	.37				.56		.19		.48	.20				3.75
Beckley	do	T.	.43	1.84	.80	.26	.04	.40	.70	.24	.10	.04			.08		T.		.08	.70	.30		.10	.28	.33	.25	.14	.68	.16			.14	8.09
Bluefield	do		.43	.30		.51	.71	.23	1.09				.10		.06						1.24		.17	.30	.31		.36	.82	.07				6.70
Charleston (Dam 6)||||	do			.55	.09	.14	.05	.21	.83	.09					.02					.23			.09	.38	.20	.05	.03	.02	.57				3.55
Clay||||	do		T.	.89	.35	.28	.12	.18	.86	.16		.24			.12	.09			.14	.22	.31		.14	.29	.06	.20	T.	.01	.84				5.50
Dam 19 O. R. ||||	Ohio		T.	.11	.99	.16	.09	.17	.12	.07		.07			.11	.01	T.			.10			.05	.10	.02		.19	.60	.14				3.10
Dam 20 O. R. ||||	do		T.	.15	.84	.10	.15	.22	.18	.08		.02			.07					.07			.07	.16	.05		.18	.65	.24				3.23
Dam 25 O. R. ||||	do			.15	.65	.12	.12	.30	.34	.10		.09			.06	.05								.20	T.		.20	.74	.15				3.27
Dam 26 O. R. ||||	do		.10	.24	.80		.18	.20	.62	.09		.05			.12					.10			.04	.32	.05		.35	.61	.17				4.04
Durbin	Great Kanawha			1.05	.24	.68	.20	.15	1.36	.10										.15	T.			.68			T.		1.00			.09	5.64
Gary ||||	Big Sandy		.19	.61	.30	.83	.19	.09	1.02	.28		.08			.07	.02				.21	.97		.02		.69	.39	.14	.17	.88	.10			7.25
Hinton||||	do		.04	1.16	.15	1.07	.17	.02	.93	.53		.14			.01	T.				.14	.83		T.	.23	.37	.28	.12	T.	.86			.02	7.07
Huntington	Ohio			.31	.16	.07		.62	.64		.05				.08				.22	.05			.01	.46	.06		.47	.71	.05				3.96
Kanawha Falls||||	Great Kanawha																																
Kayford||||	do	T.		.76	T.	.57	.01	.10	.75	.14		.46	T.		.05	.10				.38		.68	.04	.56	.17	.12		.04	.76				5.69
Kingston	do		.24				.27							.10							1.00								1.00				2.61
Lewisburg	do				.03	.04	.03	.02	.01			.16			T.						.09		.16	.53	.57	T.	T.	1.24	.05				2.93
Logan||||	Guyandotte		.05	.95	.21	.47			.97		.10	.09			.20					.20	.93		.15	.60	.39	.13		.40	.30				6.14
Madison	Great Kanawha	.04	.80	.10	.24	.03	.10	.86	.04		.06			.13	.06				.32	.63		T.	.56	.13	.09	.05	.22	.38					4.84
Marlinton	do		.22	1.10	.32	.49			.61						T.					T.		T.		.60			.30	1.36				.15	5.15
Point Pleasant||||	Ohio		.06	.22	.68	.06	.06	.20	.58	.12	.24	.12			T.					.20				.42	.04		.54	.66	.08				4.28
Rainelle	Meadow Creek	.01	.44	.86	.80	.50	.19	.15	1.05		.15	.14			.10				.03	.51	.27	.01	.06	.66	.09	T.	T.	.86	.10				6.98
Ravenswood (Dam 22)	Ohio||||			.18	.65	.03	.15	.20	.55	.10		.05			.06	T.				.10			T.	.14			.15	.60	.38				3.34
Richwood	Great Kanawha		.10	.98	.40	.73	.10	.37	.92		.07	.13			.10				.10	.40	.27		.02	.60	.02	.03		.93	.18				6.45
Robertsburg||||	do		.03	.31	.41	.04	.12	.34	.59	.06		.03			.07	.05				.06	T.		.06	.27	.04		.47	.49	.09				3.53
Ryan	do		.10	.48	.15	.41		.67	.66			.15			.16				.18	.06			.10	.40	.04		.08	.78	.05				4.47
Sharples||||	Coal River		T.	.68					1.18			.10				.02				.05	1.21			.88	.30			.61					5.03
Spencer ||||	Great Kanawha		.40	.80	.30	.11	.15	.16	.32	.24	.46		.07		.08	.08	.04			T.	.06		T.	.26			.89	.26	.59				5.26
Sutton	Gauley		1.20	.65	.35	.25	.10	.45	1.00		.24	.16			.16				.25	.10	.10		.16	.08	.30			.95	.08				6.58
Union	do	.18	1.25	.25		.50		T	.16											.36	.45		T.	.16	T.		.34	1.00	.20				4.85
Wayne||||	Big Sandy			.45			.18	.22	1.01			.23			.03					.26				.53	.08		.10	.52	.33				3.94
White Sulpr. Spgs.||||	Great Kanawha		.75	.20	.65	.20	.05	1.20	.55										.30	.70		.15			.20	.15		1.05			.05		6.20
Williamson||||	Big Sandy		.10	1.10	.19	.20	.11	.05	.80	.10		.09			.08	.05				.40	1.06		.02	.53	.57	.15	.04	.39	.15				6.18

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	42	53	58	56	58	45	40	35	30	35	30	35	58	55	48	52	67	60	35	44	64	60	27	32	46	62	58	42	60	65	65	48.9
	Minimum	-4	23	39	38	40	28	25	24	15	10	7	0	18	21	3	20	22	25	15	18	22	27	12	12	23	31	39	20	15	19	30	20.5
Brandywine	Maximum	45	48	62	64	62	57	56	50	40	44	33	40	62	52	54	60	70	62	50	59	70	50	35	37	52	60	57	52	65	66	55	53.8
	Minimum	0	19	48	42	36	32	30	29	15	20	10	2	28	29	10	22	23	36	24	25	24	35	22	18	17	35	38	29	18	22	31	24.8
Kearneysville	Maximum	35	39	53	64	66	58	41	36	38	35	29	35	58	53	47	63	72	75	43	51	68	67	38	29	41	45	61	55	59	63	55	50.7
	Minimum	1	14	34	36	43	38	30	30	19	24	14	11	25	33	21	29	30	34	22	28	29	38	15	16	16	32	41	32	28	28	34	26.6
Martinsburg*	Maximum	37	42	50	62	68	53	45	40	40	33	30	40	60	50	50	65	75	78	60	56	70	58	34	30	45	48	62	50	63	65	..	52.0
	Minimum	4	10	18	36	43	38	33	30	26	25	17	14	21	30	24	27	30	30	22	27	29	31	17	16	18	28	34	32	28	29	34	25.8
McNeill	Maximum	46	43	63	66	66	52	49	41	40	38	34	45	68	66	54	60	74	73	38	54	75	67	35	29	52	60	61	53	65	67	53	54.4
	Minimum	5	13	38	41	38	36	25	31	20	24	16	5	25	32	10	19	22	35	21	25	20	35	18	17	12	25	43	31	18	20	35	24.4
Piedmont	Maximum	35	39	53	57	63	48	41	39	35	32	28	37	61	36	47	58	73	67	35	50	69	41	34	27	46	49	61	47	60	64	58	48.1
	Minimum	3	19	35	38	41	35	31	30	22	23	13	20	23	31	17	25	28	31	18	25	25	34	15	15	21	31	42	28	24	28	35	26.0
Romney	Maximum	42	40	48	53	66	63	41	41	39	36	32	41	68	40	52	61	76	73	39	53	74	69	37	29	49	57	64	57	63	65	62	52.6
	Minimum	-4	13	33	33	39	36	26	30	21	23	15	12	20	33	14	21	25	34	18	24	21	36	16	16	14	31	42	30	22	24	32	24.2
Upper Tract	Maximum	48	47	61	58	56	39	50	33	37	30	21	42	65	33	49	60	67	..	31	50	69	..		26	49	55	40	47	58	60	68	48.2
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wardensville*	Maximum	38	49	51	64	64	66	41	42	34	37	33	27	49	64	45	49	74	73	66	58	73	51	42	33	45	52	61	62	44	60	54	51.6
	Minimum	-4	13	22	34	37	35	26	30	22	21	14	6	20	28	11	22	26	38	22	25	34	15	14	18	28	35	38	29	20	23	31	23.6
Northern Division																																	
Alpena	Maximum	41	45	56	54	55	46	36	36	28	35	28	36	57	57	48	50	65	60	35	43	61	58	29	33	47	53	56	60	63	..	60	47.7
	Minimum	3	21	40	43	36	28	24	21	14	13	5	-7	27	21	2	26	27	25	20	26	24	27	15	21	24	33	44	15	22	..	32	22.4
Bens Run	Maximum	40	46	51	60	57	46	37	35	39	34	26	36	61	58	47	59	71	63	43	50	67	57	42	37	45	67	62	48	66	74	71	51.5
	Minimum	25	19	40	41	39	35	30	29	20	24	15	7	27	26	18	33	33	27	16	27	30	31	20	27	21	33	34	25	27	32	40	27.5
Buckhannon	Maximum	40	50	57	55	52	50	40	35	30	33	26	36	34	40	36	55	67	65	38	45	65	52	33	35	45	63	60	35	63	71	68	47.5
	Minimum	7	25	44	50	45	30	30	30	14	20	14	4	28	26	14	30	32	28	20	28	28	29	24	29	23	36	35	25	24	29	47	27.4
Cairo	Maximum	38	55	56	60	62	57	57	37	37	38	57	38	58	64	40	59	69	75	37	45	63	71	35	32	50	57	68	40	65	75	75	53.9
	Minimum	8	17	35	38	38	30	25	29	7	25	12	2	23	29	11	31	26	28	16	22	24	30	22	27	16	15	38	25	20	25	32	23.4
Clarksburg*	Maximum	41	52	59	57	59	46	37	32	35	43	25	45	62	45	49	58	71	62	62	49	68	33	31	33	44	69	58	58	67	75	67	51.2
	Minimum	-18	1	25	44	42	34	26	28	12	18	10	3	13	33	12	17	26	30	16	19	25	31	22	24	16	26	37	25	21	25	32	21.8
Creston	Maximum	43	52	62	60	58	51	44	33	37	33	26	40	63	61	49	61	74	70	39	50	69	67	32	34	49	68	62	44	67	74	75	53.1
	Minimum	2	29	37	41	38	30	27	29	7	22	13	0	23	27	12	29	37	28	20	26	25	30	23	27	16	37	34	24	21	26	35	25.0
Elkins	Maximum	44	51	61	59	58	43	39	31	32	39	18	38	62	53	48	55	69	63	38	44	65	49	32	33	49	62	60	35	66	67	63	49.3
	Minimum	3	22	46	47	35	33	28	20	19	15	10	-1	37	21	10	28	27	24	23	28	25	24	23	27	26	39	27	22	20	26	45	25.1
Fairmont	Maximum	40	54	57	57	65	49	35	33	40	47	29	45	66	45	54	62	75	50	50	56	71	46	30	36	49	69	59	59	73	77	68	53.1
	Minimum	-10	6	26	48	44	33	27	28	16	22	10	8	12	34	15	13	30	39	14	19	28	29	23	23	22	26	40	25	24	28	35	23.8
Glenville	Maximum	43	55	64	64	61	57	48	37	38	42	28	42	65	60	52	62	74	61	38	52	72	70	35	34	52	60	66	43	69	77	78	55.1
	Minimum	2	20	40	47	45	35	28	31	9	24	8	1	27	29	16	29	28	31	22	25	26	34	24	30	21	35	38	26	22	27	45	26.6
Grafton	Maximum	42	54	55	57	61	50	40	34	35	45	25	37	63	59	50	59	60	60	40	50	67	63	36	34	49	69	60	41	67	75	70	51.8
	Minimum	6	23	41	44	44	31	25	29	18	25	13	13	26	26	12	30	30	26	18	25	28	30	22	25	22	32	35	25	23	30	40	26.5
Lost Creek	Maximum	44	53	60	60	59	50	43	34	34	41	25	36	62	61	50	59	71	70	48	50	70	68	43	32	45	69	66	41	68	78	77	53.9
	Minimum	-4	16	45	46	41	33	24	27	13	21	5	-2	25	26	10	25	25	27	17	22	23	28	21	25	14	31	35	24	19	24	36	23.3
Mannington	Maximum	41	52	52	56	58	47	39	35	37	40	24	33	59	57	45	57	70	62	39	45	66	62	32	35	44	66	64	43	63	72	67	50.4
	Minimum	-5	12	36	39	41	32	23	28	10	22	9	2	21	27	10	28	26	26	12	23	24	27	20	24	13	28	34	24	21	25	40	22.6
Morgantown	Maximum	42	52	58	60	61	57	37	35	35	41	31	32	58	56	46	57	70	59	54	54	66	60	30	41	45	69	62	41	64	76	67	52.1
	Minimum	17	30	35	48	41	32	27	25	16	19	7	11	21	24	11	33	36	33	10	24	31	24	19	21	21	36	32	21	24	36	33	25.7
New Cumberland*	Maximum	40	50	49	60	57	41	40	32	32	24	24	42	51	42	43	57	71	32	38	45	61	45	27	42	48	62	43	43	62	73	59	46.3
	Minimum	-15	1	21	40	38	34	27	28	21	19	2	5	9	29	14	16	29	28	7	9	23	22	17	19	19	23	34	19	21	27	31	19.9
New Martinsville	Maximum	45	52	56	58	55	44	42	36	35	35	32	37	60	58	40	60	70	68	40	58	65	62	33	37	45	64	64	48	66	76	74	52.1
	Minimum	6	20	44	40	40	34	28	30	21	22	10	5	27	30	14	30	30	27	12	25	25	26	20	26	21	31	34	22	23	28	38	25.5
Parkersburg	Maximum	42	53	63	61	58	48	36	33	37	30	27	41	63	56	48	62	73	64	37	49	68	46	28	34	45	70	62	45	65	73	72	51.3
	Minimum	12	26	48	49	40	31	30	24	22	17	13	7	41	26	19	40	37	22	15	26	35	25	20	25	19	34	26	22	27	32	40	27.4
Parsons	Maximum	34	42	54	56	59	54	44	38	39	40	27	41	70	74	71	42	73	70	42	68	71	57	45	35	54	65	61	40	71	68	63	53.8
	Minimum	2	26	21	38	35	32	29	25	19	15	14	-1	27	27	27	24	28	27	23	26	31	25	20	22	31	40	33	25	22	27	40	25.2
Pickens	Maximum	42	50	57	56	57	45	39	42	32	40	32	37	56	35	50	56	68	60	48	44	64	56	45	40	49	56	46	43	66	72	65	49.9
	Minimum	12	22	40	45	38	31	28	23	13	15	7	-4	28	19	2	28	30	25	25	23	25	21	20	28	20	30	30	20	18	29	42	23.6
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wellsburg	Maximum	41	50	62	62	59	52	41	37	34	32	25	37	60	57	45	57	72	69	41	45	64	58	30	41	50	59	62	45	67	74	65	51.1
	Minimum	-4	12	38	40	38	30	24	27	20	20	0	1	21	27	10	30	26	25	2	16	25	22	18	24	16	25	31	19	20	25	32	21.3
Weston	Maximum	38	50	60	58	60	58	47	40	40	45	44	40	62	60	52	62	72	70	64	52	68	67	34	35	45	69	68	53	69	76	75	55.9
	Minimum	4	22	42	48	49	35	31	29	9	24	12	3	33	29	15	36	38	30	20	30	32	29	28	29	19	38	38	28	26	30	40	28.3
Wheeling (Dam 12)	Maximum	40	51	52	71	57	43	41	33	33	25	26	43	58	31	41	57	70	46	44	46	63	32	27	40	49	54	54	45	65	75	64	47.7
	Minimum	12	7	25	40	35	33	27	29	21	11	8	11	22	17	15	17	30	12	9	22	24	20	18	19	22	30	24	21	22	22	38	21.4
Southern Division																																	
Beckley	Maximum	51	48	58	54	58	46	54	50	40	40	23	42	61	53	52	58	68	62	43	44	67	58	41	34	40	56	55	37	62	66	66	51.2
	Minimum	14	27	41	43	39	29	31	24	16	15	7	-3	29	20	9	28	29	28	23	24	26	31	24	25	25	32	34	19	19	32	39	25.1
Bluefield	Maximum	48	50	58	..	59	..	63	49	41	40	..	42	60	58	53	58	67	67	..	61	67	64	43	36	..	50	55	52	62	65	65	55.2
	Minimum	17	31	45		43	..	36	28	20	27	..	9	33	28	14	36	38	50		27	33	42	26	26	..	30	48	24	23	37	43	31.3
Charleston*	Maximum	54	62	67	65	71	58	47	37	54	42	27	50	79	42	50	66	80	67	55	55	73	79	44	37	60	79	62	47	67	78	..	58.5
	Minimum	2	24	34	45	38	35	33	31	17	26	16	11	15	34	19	18	35	37	25	26	26	33	27	30	27	38	47	25	25	30	41	28.1
Gary*	Maximum	56	50	58	50	61	51	66	39	45	45	24	45	63	41	55	60	71	67	64	47	69	54	44	41	45	65	56	56	66	69	69	54.6
	Minimum	0	28	35	37	40	30	32	37	25	25	15	8	10	25	17	18	27	30	33	30	28	30	32	34	32	36	45	28	25	25	32	27.4
Hinton*	Maximum	45	43	46	43	61	54	52	41	49	45	28	52	71	48	59	65	74	67	39	53	72	49	36	36	43	59	58	43	71	74	72	53.2
	Minimum	12	15	35	34	35	30	31	38	24	25	15	11	20	38	12	18	28	30	32	32	28	36	32	29	29	33	38	28	26	27	31	27.5
Huntington	Maximum	47	56	68	66	61	54	51	37	39	38	29	46	66	63	51	64	75	72	33	52	72	66	32	34	48	75	71	39	64	73	74	55.4
	Minimum	16	30	46	50	41	36	33	31	24	26	14	14	34	30	20	39	34	31	22	27	33	32	26	29	27	41	36	23	26	32	45	30.6
Lewisburg	Maximum	43	42	47	45	56	48	49	45	45	40	38	48	64	63	70	70	68	70	63	49	67	63	43	37	40	47	56	63	65	68	67	54.2
	Minimum	8	20	34	38	34	31	30	29	20	17	11	15	14	38	12	21	20	32	20	29	34	25	25	25	30	34	43	19	20	33	35	25.7
Madison	Maximum	52	58	65	58	63	55	47	35	43	40	27	48	67	39	55	64	76	66	34	47	73	42	39	42	59	74	59	43	69	74	73	54.4
	Minimum	27	34	46	40	32	36	31	21	24	16	10	22	34	19	29	30	32	26	24	26	37	29	30	30	39	54	25	24	27	32	38	29.8
Marlinton	Maximum	48	46	58	50	60	52	58	52	44	44	30	44	61	60	54	62	72	72	46	52	72	62	44	44	52	52	62	56	66	68	66	55.2
	Minimum	0	12	20	20	22	18	20	14	6	6	8	4	16	10	8	18	18	26	20	22	20	20	20	22	22	32	36	28	16	18	38	18.1
Point Pleasant	Maximum	46	51	64	65	59	54	48	34	38	35	30	41	63	60	52	63	74	71	35	53	70	68	31	34	47	73	69	44	67	75	73	54.4
	Minimum	5	25	40	43	33	32	28	27	20	22	7	7	29	27	15	34	33	28	16	23	28	29	20	24	20	35	33	20	22	29	40	25.6
Rainelle	Maximum	46	44	45	52	56	57	47	44	39	37	24	42	64	63	51	57	74	61	34	42	65	63	36	33	38	45	54	42	62	63	63	49.8
	Minimum	1	21	35	34	35	27	32	26	16	22	9	-7	19	23	8	21	21	29	26	25	22	35	24	24	27	33	41	21	16	23	39	23.5
Ravenswood	Maximum	44	49	62	62	56	55	47	34	36	35	26	40	63	61	48	62	71	73	36	50	71	69	32	34	47	72	70	43	66	72	75	53.6
	Minimum	6	25	44	44	37	34	29	29	10	22	14	5	34	28	12	35	34	29	18	25	32	29	22	20	18	38	30	23	23	30	48	26.7
Richwood	Maximum	51	49	57	58	58	52	46	44	36	39	34	40	66	64	50	56	68	69	55	44	66	68	45	37	47	59	58	49	63	65	66	53.5
	Minimum	10	26	40	40	38	31	33	26	17	24	20	0	24	24	12	26	28	31	25	26	27	32	26	28	27	36	29	22	21	27	42	26.4
Robertsburg*	Maximum	47	52	65	63	62	56	48	31	40	32	28	44	67	40	52	75	74	49	46	55	74	37	31	33	47	74	59	55	65	72	74	53.1
	Minimum	-6	17	31	41	34	31	30	28	11	12	10	6	10	30	11	16	31	44	19	19	25	30	23	26	23	23	40	22	23	28	36	23.4
Ryan	Maximum	41	39	60	55	55	45	40	39	35	26	22	37	60	47	45	60	70	57	29	55	66	55	30	28	45	70	58	48	62	75	65	48.7
	Minimum	4	18	32	39	34	24	27	20	9	4	1	-2	20	24	10	26	24	25	18	17	23	27	20	25	19	34	32	20	17	22	34	20.9
Spencer*	Maximum	47	53	59	60	60	51	36	33	32	39	28	44	65	35	57	62	73	60	50	52	73	37	36	32	47	71	57	48	67	71	77	52.0
	Minimum	9	24	47	49	42	31	31	30	13	26	14	5	33	34	14	38	34	50	21	22	32	36	24	26	22	39	40	24	22	28	45	29.3
Sutton	Maximum	49	55	64	64	60	60	49	42	37	37	29	42	66	66	47	60	72	72	35	50	72	72	40	34	50	66	66	45	58	75	75	55.1
	Minimum	18	24	44	50	46	35	31	30	13	22	14	2	26	29	15	28	27	30	23	21	23	34	26	31	25	36	40	21	22	26	43	27.6
Union	Maximum	38	40	46	..	43	47	47	47	42	37	..	43	64	64	50	59	70	..	35	47	66	66	44	40	..	54	58	57	61	63	66	51.6
	Minimum	3	25	37	..	41	34	41	32	19	29	..	8	43	34	17	25	25	..	35	30	28	40	29	29	..	26	47	21	26	29	35	29.2
White Sulphur Spgs*	Maximum	39	48	49	54	59	50	51	48	51	46	36	50	67	46	59	61	70	62	47	58	70	54	46	40	42	49	56	54	53	62	63	52.9
	Minimum	30	36	42	43	32	34	43	23	28	17	2	20	30	20	26	27	34	34	34	31	38	26	25	32	34	43	35	27	28	41	40	30.8
Williamson*	Maximum	48	53	63	59	61	55	48	42	44	39	33	47	64	46	52	62	72	65	49	46	72	53	47	37	50	73	62	58	56	72	71	54.8
	Minimum	12	32	36	43	40	35	37	34	26	27	15	16	19	30	23	23	33	34	30	28	29	35	34	34	34	37	47	29	29	32	34	30.5

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-30-34—900)

1.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

JUN 28 1934

R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., APRIL, 1934 No. 4

GENERAL SUMMARY

The outstanding feature of the weather during the month was the severe cool spell that prevailed over the State during the last week, the temperatures were considerably below freezing, with the lowest readings of record for so late in the season. A low temperature of 18° was noted at Benson and McNeill on the morning of the 28th. The month was warmer than usual, most of the warm weather occurred during the first 10 days. Freezing temperatures and killing frosts occurred frequently during the last decade, causing great damage to fruit bloom and truck gardens. The precipitation averaged much below the normal, except in a few small areas. The snowfall was lighter than usual, and fell mostly on the 12th and 13th, the greatest amounts being in sections of the mountain districts. Farm work at the close of the month was about two weeks late. The greater part of the spring plowing was completed and some oats were sown and potatoes and corn planted. Drought conditions have made crop prospects somewhat uncertain, and the soil has been too dry for the proper germination of oats and corn.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 52.8° or 1.0° above the normal. Warm weather prevailed during the first 10 days, and on the 15-16th, 18-19th, 23d, and 30th, the highest readings occurring generally on the 3d, 4th, and 6th. The temperature was below the normal on the 11-14th, 20th-22d, and 24-29th, the lowest temperatures being noted on the 26th and 28th. The highest monthly mean temperature was 57.9° at Huntington, and the lowest, 48.2° at Marlinton. The highest temperature was 91° at Charleston on the 4th, and the lowest was 18° at Benson and McNeill on the 28th, making the monthly range for the State 73°. The greatest daily range was 55° at Brandywine on the 26th.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 2.58 inches, which was 0.93 inch less than the normal. The precipitation was the greatest over the mountain districts and in scattered localities of the southern section, and least along the southern Ohio River counties and in a few districts of the northeastern section. Precipitation fell generally over the State on the 4-7th, 10-14th, 16-17th, 19th, and 27th, and scattered showers on the 1st, 9th, 18th, and from the 20th to 22d, the greatest amounts being measured on the 4th, 11th, and 27th. The snowfall averaged 1.2 inches, which was 0.7 inch below the normal. Light to moderate snow fell on the 12th and 13th, and scattered snow flurries on the 20th, 21st, and 26th. The greatest monthly precipitation was 4.93 inches at Davis, and the least, 0.80 inch at Upper Tract. The greatest amount of precipitation in any 24 consecutive hours was 2 12 inches at Wellsburg on the 4th. The average number of days with .01 inch or more of precipitation was 11.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Berkeley, 12th; Brooke, 4th; Cabell, 18th; Grant, 11th; Hardy, 20th; Hancock, 4th; Lewis, 11th, 26th, and 28th; Logan, 4th; Marion, 4th and 11th; Mingo, 20th; Monongalia, 4th and 10th; Roane, 12th and 13th; Taylor, 11th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 5th and 10th; Dam No. 26, 1st; Elkins, 8th and 18th; Glenville, 5th and 8th; Hinton, 10th; Wellsburg, 17th; Williamson, 1st.

Dust: A light to moderate dust storm prevailed over the State during the morning and early afternoon of the 24th.

Thunderstorms (dates and number of stations reporting): 1st, 2; 3d, 3; 4th, 29; 5th, 4; 6th, 2; 7th, 2; 10th, 8; 11th, 9; 12th, 2; 13, 1; 18th, 1; 19th, 4; 20th, 1; 25th, 1.

ERRATUM

Correct Monthly Climatological Data for March, 1934— Page 10, Bancroft, make monthly mean temperature 42.8°, departure −1.0°.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.99	30.47	30	29.42	11	8.1	27	sw.	1	69	45	49	69
Columbus, Ohio	29.98	30.48	30	29.43	11	11.3	38	w.	11	74	56	56	59
Elkins	30.02	30.58	30	29.36	11	6.9	38	w.	11	82	50	60	55
Parkersburg	30.02	30.54	30	29.45	11	7.2	27	w.	11	73	44	54	47
Pittsburgh, Pa	29.99	30.56	30	29.34	11	10.5	40	nw.	3	77	57	58	59
Wytheville, Va	29.98	30.56	30	29.39	11	7.5	27	w.	11	74	54	58	49

COMPARATIVE DATA FOR APRIL

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	52.0	+0.2	.....	.....	2.81	−0 70	.....	.....	.....	....	....	....	....
1892	50.6	−1.2	87	17	4.28	+0.77	.....	.....	.....	7	....	....	....
1893	53.4	+1.6	92	20	5.18	+1.67	8.98	2 91	0.8	14	8	8	14
1894	50.6	−1.2	90	14	3.32	−0.19	5.30	1.97	1.6	11	12	8	10
1895	52.9	+1.1	90	17	2.93	−0.58	5.47	0.90	.....	9	11	9	10
1896	57.7	+5.9	95	12	2.06	−1.45	4.35	0.82	.....	8	13	12	5
1897	51.5	−0.3	90	19	2.97	−0.54	7.10	1.58	.....	9	11	10	9
1898	48.0	−3.8	86	2	3.14	−0.37	4 86	1.40	.....	11	10	9	11
1899	53.4	+1.6	93	18	1.84	−1.67	3.17	0.92	0.5	7	13	9	8
1900	51.8	0.0	88	16	1.35	−2 16	2.08	0.43	T.	8	14	7	9
1901	47.5	−4.3	95	18	7.05	+3.54	10.70	2.50	6.0	12	10	4	16
1902	49.8	−2.0	96	21	3 06	−0.45	4.57	1.53	10.0	7	10	10	10
1903	51.3	−0.5	91	8	4.47	+0.96	7.30	2.29	0.4	11	11	8	11
1904	47.7	−4.1	82	12	3.15	−0.36	5.71	1.12	1.3	12	9	9	12
1905	52.2	+0.4	89	14	2.78	−0.73	5.57	1.10	1.5	11	11	9	10
1906	54.1	+2.3	92	15	3.16	−0.35	6.59	0.57	0.3	8	15	8	7
1907	45.6	−6.2	92	10	3.49	−0.02	6.66	1.42	6.1	12	8	8	14
1908	54.8	+3.0	92	18	4.30	+0 79	8.02	0.77	0.3	11	13	8	9
1909	53.0	+1.2	93	10	5.04	+1.53	8.57	1.70	2.4	13	10	11	9
1910	53.2	+1.4	91	16	3.39	−0.12	9.07	1.63	0.6	11	10	8	12
1911	49.5	−2.3	88	6	4.29	+0.78	7.00	0.83	1.5	14	9	8	13
1912	55.4	+3.6	88	20	4.03	+0.52	8.00	1.09	0.2	10	11	10	9
1913	52.4	+0.6	92	12	2.99	−0.52	5.48	1.61	0.1	10	14	6	10
1914	52.1	+0.3	93	16	4.63	+1.12	10.05	1.29	0.1	11	10	9	11
1915	55.5	+3.7	101	10	1.93	−1.58	5.69	0.10	T.	7	15	8	7
1916	50.5	−1.3	90	17	3.07	−0.44	5.70	1.25	4.3	12	9	7	14
1917	51.7	−0.1	90	10	2.99	−0.52	5.31	1.29	1.8	9	13	8	9
1918	50.3	−1.5	85	18	5.11	+1.60	9.14	1.88	10.4	15	9	7	14
1919	51.8	0.0	90	10	2.44	−1.07	4.21	1.03	0.2	9	12	8	10
1920	49.7	−2.1	91	15	4.91	+1.40	7.26	1.64	1.2	14	8	7	15
1921	55.7	+3.9	95	10	2.50	−1.01	5.09	0.40	0.4	9	13	7	10
1922	54.4	+2.6	91	15	3.15	−0.36	6.76	0.50	0.1	9	13	7	10
1923	50.1	−1.7	88	− 4	3.45	−0.06	4.88	1.00	0.1	8	16	5	9
1924	50.5	−1.3	88	12	3.24	−0.27	6.37	0.72	3.6	12	12	6	12
1925	54.9	+3.1	101	6	2.89	−0.62	4.48	1.42	0.6	10	14	6	10
1926	47.1	−4.7	87	8	2.44	−1.07	5.54	0.80	2.5	10	10	8	12
1927	52.0	+0.2	91	16	5.93	+2.42	10.21	2.52	0.2	15	9	7	14
1928	48.6	−3.2	88	11	5.08	+1.57	8.00	2 57	11.4	12	11	7	12
1929	55.4	+3.6	94	18	4.54	+1.03	8.78	2.09	0.8	13	12	7	11
1930	53 2	+1.4	98	13	1.95	−1.56	4.16	0.39	1.0	9	14	7	9
1931	50.7	−1.1	88	18	4.12	+0.61	6.24	2.13	3.3	10	14	5	11
1932	50.9	−0.9	88	18	2.21	−1.30	4.42	0.57	0.8	10	15	5	10
1933	52.8	+1.0	91	19	4.08	+0.57	6.34	2.44	0.2	13	13	7	10
1934	52.8	+1.0	91	18	2.58	−0.93	4.93	0.80	1.2	11	12	8	10
Period	51.8	......	101	− 4	3.51	....	10.70	0.10	1.9	10	11	8	11

Climatological Data for April, 1934

				Temperature, in degrees Fahr.							Precipitation, in inches				Number of days					
STATIONS	COUNTIES	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	OBSERVERS
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	46.6	+2.9	78	23†	22	28	52	3.23	−0.84	0.82	9.0	10	19	6	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	52.0	+2.1	82	6	20	28	55	1.05	−2.00	0.35	T.	5	17	0	13	s.	Elmer Keister
Circleville ††	Pendleton	......	2	......	......	......	......	......	......	...	2.11	......	0.51	......	14	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	......	......	......	......	......	......	...	3.67	+0.54	0.59	T.	15	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	4	52.6	. .	79	2†	28	28	39	2.00	......	0.66	0	7	13	12	5	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}52.6	+1.0	82^{a}	2†	30	15†	46	2.63	−0.54	0.52	T.	10	21	8	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	52.4	−0.4	84	6	18	28	47	1.13	−1.82	0.58	0	3	4	8	18	w.	John W. McNeill
Piedmont	Mineral	1,053	21	51.5	+1.1	79	6†	25	28	43	2.38	−1.04	1.00	0	9	11	11	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	53.5	+1.8	82	3	23	26†	50	1.88	−1.04	1.05	T.	8	10	10	10	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	......	......	......	......	......	......	...	2.89	−0.86	0.86	5.0	8	5	9	16	......	A. C. Becker
Upper Tract	Pendleton	1,230	35	......	......	75^{c}	10	......	......	...	0.80	−1.50	0.30	T.	4	......	......	......	......	Mrs. J. M. Mallow
Wardensville^{a}	Hardy	1,200	13	51.1	+1.5	79	3	22	28	46	1.76	−0.75	0.32	T.	10	11	10	8	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	......	......	......	......	......	......	...	2.59	−1.21	0.86	0.8	15	8	11	11	w.	L. Else Bond
Alma (near)	Tyler	800	7	......	......	......	......	......	......	...	1.80	......	0.39	0.5	12	11	7	12	......	D. N. Furbee
Alpena	Randolph	2,571	4	48.0	......	74	3	19	26†	46	3.08	......	0.62	3.5	11	14	7	9	w.	Christian Hertig
Benson	Harrison	1,080	10	52.6	0.0	81	3†	18	28	49	2.35	−0.86	0.65	T.	12	12	16	2	......	R. D. Marts
Bens Run	Pleasants	652	32	54.1	+1.3	82	3	28	28	41	1.89	−1.82	0.45	0.3	11	13	13	4	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	54.7	+2.4	83	2†	23	28	45	2.04	−1.32	0.91	T.	9	14	14	2	......	W. B. Worley
Bruceton Mills	Preston	1,549	17	......	......	......	......	......	......	...	3.78	0.00	1.52	T.	5	10	10	10	w.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	54.1	+3.0	81	3	22	12	45	3.07	−1.11	1.00	T.	9	14	9	7	......	H. A. Darnall
Cairo	Ritchie	680	33	54.1	+0.1	84	4†	22	28	50	1.28	−2.23	0.41	0	8	16	2	12	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	52.2	+1.0	82	3	21	28	46	1.86	−1.51	0.47	T.	14	12	10	8	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	......	......	......	......	......	......	...	2.83	−1.40	0.86	0.8	13	12	11	7	nw.	George W. Blair
Creston	Wirt	640	32	53.8	+0.4	83	3†	23	28	46	2.42	−1.37	0.73	0	8	11	7	12	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	......	......	......	......	......	......	...	3.35	−0.12	1.02	......	16	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	18	......	......	......	......	......	......	...	2.44	−0.73	0.82	0	10	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	......	......	......	......	......	......	...	1.85	−1.44	0.45	1.0	16	......	......	......	......	Lockmaster
Davis	Tucker	3,093	25	......	......	......	......	......	......	...	4.93	+0.67	1.00	17.0	15	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	......	......	......	......	......	......	...	1.40	−1.90	0.42	1.0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	33	49.4	+0.6	80	3	22	28	42	3.14	−0.48	1.07	0.6	13	6	12	12	w.	U. S. Weather Bureau
Fairmont	Marion	883	28	54.8	+3.0	85	3†	24	28	52	1.83	−1.48	0.47	2.7	12	10	11	9	w.	J. C. Robinson
Glenville	Gilmer	738	40	55.6	+1.7	85	6	24	28	49	2.49	−1.27	0.76	0.2	13	18	5	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	53.5	+2.0	82	3†	24	28	43	3.19	−0.50	0.75	1.0	12	16	4	10	......	W. E. Clayton
Horner	Lewis	1,044	11	......	......	......	......	......	......	...	3.10	−0.26	0.90	0	9	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	9	......	......	......	......	......	......	...	1.87	−1.80	0.55	2.8	8	14	5	11	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	53.4	+0.5	83	3	20	28	46	2.79	−0.86	0.85	T.	9	15	6	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	52.2	+1.6	82	3	20	28	48	2.55	−0.85	0.69	3.2	10	15	4	11	w.	Allen Smith
Mannington	Marion	985	31	51.2	+0.1	80	3†	21	28	45	2.37	−1.29	0.64	2.0	15	14	4	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	52.2	+0.5	82	3	24	28	40	3.00	−0.22	1.90	T.	9	15	9	6	sw.	Bruce Davis
New Cumberland	Hancock	671	36	49.5	+0.3	80	3	22	28	47	2.63	−0.65	1.54	1.0	12	9	9	12	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	52.7	+0.4	81	30	24	28	48	1.88	−1.61	0.35	T.	10	11	8	11	n.	Wm. Ankrom
Parkersburg	Wood	638	47	53.4	0.0	83	6	27	28	41	1.24	−1.95	0.33	T.	9	10	10	10	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	50.4	+1.2	80	3†	23	28	44	3.47	−0.29	......	1.0	......	9	8	13	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	......	......	......	......	......	......	...	3.28	−1.05	0.80	T.	12	16	8	6	......	Robert T. Deem
Philippi	Barbour	1,550	37	......	......	......	......	......	......	...	2.71	−1.24	0.72	2.0	14	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	31	48.4	+0.3	81	3	19	14†	45	4.62	−0.55	1.25	12.0	15	17	3	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	......	......	......	......	......	......	...	2.21	−1.37	0.85	T.	10	18	4	8	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	47	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	25	......	......	......	......	......	......	...	1.12	−2.54	0.26	T.	9	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	33	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Walter Steen
Thomas	Tucker	2,950	5	......	......	......	......	......	......	...	4.50	......	1.22	......	16	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	11	52.8	−0.3	83	3†	20	13	46	2.56	−0.85	0.65	T.	11	9	12	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	......	......	......	......	......	......	...	2.40	−1.30	0.85	0	9	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	27	50.2	+0.6	83	3	20	28	53	3.47	+0.24	2.12	T.	10	10	7	13	w.	George P. Pfister
West Milford	Harrison	979	9	......	......	......	......	......	......	...	2.76	−1.06	0.60	0	9	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	55.4	+2.6	82	3†	26	26	46	2.81	−1.15	0.92	......	14	8	17	5	......	A. Henry
Wheeling (Dam 12)	Ohio	659	47	51.8	+0.2	87	3	25	28	51	2.18	−0.96	0.83	T.	8	11	11	8	......	Lockmaster
Woodlands	Marshall	637	7	......	......	......	......	......	......	...	2.42	......	0.58	1.0	12	11	10	9	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	......	......	......	......	......	......	...	2.16	......	0.55	2.0	13	11	10	9	w.	H. S. Sutton
Bancroft	Putnam	574	30	55.6	+2.1	85	3†	28	28	45	2.86	−0.75	0.88	T.	9	13	4	13	w.	Charles N. Long
Beckley	Raleigh	2,440	31	51.3	+1.1	80	3	21	28	40	4.11	+0.78	0.57	3.0	19	6	16	8	......	L. A. Mauck
Bluefield^{c}	Mercer	2,558	39	53.6	0.0	80	3	26	28	37	4.06	+0.77	0.96	0.8	18	4	12	9	......	Norfolk & Western Ry.
Charleston (Dam 6 G. K.)	Kanawha	600	31	^{a}56.6	+0.3	91^{a}	4	30	21	49^{a}	2.03	−1.70	0.51	0	13	11	0	19	......	Lockmaster
Clay	Clay	706	18	......	......	......	......	......	......	...	2.57	−0.93	0.75	0.5	16	......	......	......	......	Chilton Wilson
Dam 19 O. R.	Wood	600	18	......	......	......	......	......	......	...	1.20	−2.36	0.32	0	9	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	18	......	......	......	......	......	......	...	1.67	−1.77	0.36	0	10	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	7	......	......	......	......	......	......	...	1.37	......	0.34	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	18	......	......	......	......	......	......	...	1.77	−1.54	0.55	0	8	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	......	......	......	......	......	......	...	2.68	......	0.68	1.5	15	......	......	......	......	Mrs. D. R. Gaudinees
Gary	McDowell	1,426	18	54.6	+1.2	83	3	27	28	41	3.79	+0.26	0.69	T.	20	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	54.9	+1.7	89	3	30	21†	46	2.97	−0.23	0.55	T.	17	17	3	10	......	Mrs. M. L. McClung
Huntington	Cabell	538	37	57.9	+3.3	85	3†	30	28	41	2.34	−1.17	0.67	T	10	8	12	10	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	......	......	......	......	......	......	...	2.62	−1.10	0.76	0	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	18	......	......	......	......	......	......	...	3.11	−1.01	0.65	1.5	17	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	......	......	......	......	......	......	...	4.60	......	1.50	0	5	......	......	......	......	Claud J. Wriston
Lewisburg	Greenbrier	2,250	34	53.2	+2.7	80	1†	24	26	44	2.63	−0.73	1.02	T.	6	15	2	13	......	Rose Argabrite
Logan	Logan	700	31	......	......	......	......	......	......	...	2.52	−1.79	0.78	0	10	......	......	......	......	J. R. Wampler
Madison	Boone	675	13	55.7	+1.4	87	5	27	27	40	3.04	−0.80	0.76	0	13	22	5	3	sw.	W. E. Holy
Marlinton	Pocahontas	2,131	35	46.2	−0.6	76	2	22	13†	44	2.42	−1.10	0.81	......	10	6	10	14	nw.	S. L. Brown
Point Pleasant	Mason	595	41	54.5	−0.4	86	5	26	28	46	1.22	−2.12	0.42	T.	8	13	9	8	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	49.2	......	77	4†	20	26	45	4.34	......	1.00	9.0	18	13	3	14	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	56.4	+2.6	87	5†	24	28	43	1.45	−1.63	0.39	0	8	7	12	11	nw.	Lockmaster
Richwood	Nicholas	2,193	4	51.3	......	80	7	23	13	41	3.58	......	0.72	8.0	16	9	10	11	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	55.0	+2.0	88	5	26	25	48	2.09	−1.39	0.86	T.	8	20	0	10	......	M. Frazier
Ryan	Roane	700	31	49.8	+2.2	85	4†	20	28	50	1.75	−2.06	0.87	0.2	8	11	4	15	......	Wm. E. Ryan
Sharples	Logan	889	14	......	......	......	......	......	......	...	2.94	−0.95	0.98	T.	4	......	......	......	......	R. W. Howard
Spencer	Roane	789	30	54.1	+1.3	86	5	26	28	43	2.43	−1.00	0.62	T.	10	14	10	6	......	A. M. McKown
Sutton	Braxton	850	28	55.0	+2.2	85	3†	25	26†	48	3.23	−0.97	1.05	4.0	9	21	0	9	......	C. B. Eakle
Union^{c}	Monroe	2,250	30	55.4	+3.6	81	2	24	28	42	2.87	−0.03	0.70	T.	8	14	2	9	......	C. B. King
Wayne	Wayne	598	7	......	......	......	......	......	......	...	2.83	......	0.75	0	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	52.8	+1.4	74	6	26	28	37	2.45	−0.60	0.65	0	10	21	3	6	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	57.5	+2.0	84	3†	31	28	41	2.92	−0.95	0.59	T.	15	11	11	8	se.	J. E. Dotson
State averages and	extremes	......	....	52.8	+1.0	91	4	18	28	55	2.58	−0.93	2.12	1.2	11	12	8	10	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for April, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard ||||	Potomac				.61		.06	.10				.82	.68	.08			.23			.05		.04					.56						3.23
Brandywine	do				.25			.10				.20	T.	T.			.15	.35		T.		T						T.					1.05
Circleville	do	.20			T.	.42		.12				.10	.51	.07	.03	T.	.16	.12	.09	T.	.08	.07		T.				.11	.03				2.11
Harpers Ferry ||||	do	.52			.05	.26		.03	.11				.32	T.	T.		.33	.20	.01	T.	.52				.56	.59		.10	.06	.01			3.67
Kearneysville	do				.45			.11				.36	.03				.66			T	.09				.30								2.00
Martinsburg ||||	do	.52			.11	.40		.04	.12			T.	.40				.46	.22		T.	.28								.08				2.63
McNeill	do				.58	T.	T.	T.			T.	.32	T.	T.	T.		.23			T.	T.	T.	T.				T.	T.					1.13
Piedmont	do	.06			1.00	.01						.59	.05				.25			.28				.05				.09					2.38
Romney ||||	do				1.05			.02				.51	.01	.01		.20				.05								.03					1.88
Stony River Dam	do				.18	.53		.40					.86	.08							.32	.16						.36					2.89
Upper Tract	do				.30	.10		T.			.25			T.	T.			.15								T.							0.80
Wardensville ||||	do			.23	.32	T.	.30					.04	.26				.26	.04		.02	.27		T.					.02	T.				1.76
Northern Division																																	
Aberdeen	Monongahela				.17		.16	.24				.57	.18	.06	.02		.10	.02		.11	.02	.01	.02	.05			T	.86					2.59
Alma (near)	Ohio				.39		.05	.23			.16	.37	.16	.07	.11		.01	.01					.03					.21					1.80
Alpena	Monongahela				.35			.32				.30	.62	.27			.24			.18	.12		.03	.10			T.	.55					3.08
Benson	do				.28		.21	.18				.65	.18	.10	.05		.03			.09		.05		.05				.48					2.35
Bens Run	Ohio				.31		.16	.27			.17	.45	.04	.03	.06		T.					T.	.04	T.			.18	.18					1.89
Brownsville	Monongahela			.09			.08	.16				.50	.10	.05			.07			.08								.91					2.04
Bruceton Mills	do				1.52		T.					1.10	T.	T	.45								.40			T.		.31					3.78
Buckhannon	do				.38		.15	.35			T.	.60	.15	.08			.14			.22	T.	T.	T.				T.	1.00					3.07
Cairo	Little Kanawha				.06		.05	.15				.13	.24							.20			.04					.41					1.28
Clarksburg ||||	Monongahela				.03	.22	.11	.16				.32	.30	.06	.01			.05	.01	.03				.07				.47	.02				1.86
Crawford ||||	do				.23		.17	.40			.09	.61	.09	.07			.13	.02		.08	T		.06	.02			T	.86					2.83
Creston ||||	Little Kanawha						.73	.11				.34	.35	.07						.14				.08				.60					2.42
Dam 10, Mon. R. ||||	Monongahela	.07			1.02	.71	.02	.17	T.			.32	.39	.13	.15		.04	.03		.02		.01		.08				.17	.02				3.35
Dam 13, O. R. ||||	Ohio	.03			.18	.64		.80				.48	.15	.05	03					.03				.05									2.44
Dam 15, Mon. R ||||	Monongahela	.03			.03	.27	.12	.12	.01			.45	.32	.08	.05		.05	T.		.01			.02	.09				.17	.03				1.85
Davis ||||	do				.15	.70		.08				.10	1.00	.60	.38	.08	.23	.25		T.	.10	.45	.10				T.	.56	.15				4.93
Elizabeth (D'm 3 LK)	Little Kanawha					.03	.22	.11				.22	.15	.09						.06		T.	.07	.03				.42					1.40
Elkins***	Monongahela				.23		.05	.32			.06	.99	.17	.05	T.		.24			.18	.05	T.	T.	.09			.09	.62					3.14
Fairmont ||||	do			.06	.47	.14	.11					.32	.20	.15		.08	.02		.03				T.				.21	.04					1.83
Glenville ||||	Little Kanawha					.21	.13	.20				.17	.48	.07	.09		.05	.10		.14				.09				.68	.08				2.49
Grafton ||||	Monongahela				.75		.13	.22			.05	.65	.22	.12			.20			.10			.05	.15		T.	T.	.55					3.19
Horner	do				.25					.30		.20	.15	.10			.70			.35			.15					.90					3.10
Horton	do				.40			.25				.55	.12	.05			.10			T.	.08							.32					1.87
Janelew (near)	do				.20			.37				.55	.30	.10			.12			.20				.10				.85					2.79
Lost Creek	do				.37		.15	.21			.20	.45	.11	.26			.07			.04		T.					T.	.69					2.55
Mannington	do	.04			.41		.09	.20			.21	.64	.19	.11	.09		.06	.01		.03	T.		.05	.06			T.	.18					2.37
Morgantown	do	.10			1.90					15	.20	.10	T.	T.	.10	T.	.15			T.		T.	T.				.10	.20					3.00
New Cumberland ||||	Ohio		T.		1.02	.52	.02	.32				.26	.03	.05	12	.07		T.		.11		.02		.09	T.								2.63
New Martinsville	do				.32		.32	.35			.18	.22	.10	.12						.12			.05					.10					1.88
Parkersburg***	do	T.			T.	.26		.20			.10	.23	.03	T.			T.		T		T.	.05	.04				.17	.16					1.24
Parsons	Monongahela									*	*	2.00		.08			.25			.20			.15				.29	.50					3.47
Parsons No. 2	do				.52		T.	.25				.80	.36	.15			.22	.03		.10		.07	.02	.03			T.	.73					3.28
Philippi	do				.10		.03	.19	T.			.14	.65	.12	.06		.26	.10		.05		.10		.15				.72	.04				2.71
Pickens	do				.33						.22	1.03	.48	.24	.08		.60	.08	.03	.08	.10	.10	.22				.13	.90					4.62
Roanoke	do				.09		.12	.25				.60	.07	.03			.08			.05		.07	T.					.85					2.21
Rowlesburg ||||	do																																......
Saint Marys ||||	Ohio				.09	.14		.26				.17	.11	.05	.03							T.	T.	.03				.24					1.12
Terra Alta	Monongahela																																......
Thomas ||||	do	.30			.13	.73		.31	T.			.15	1.22	.16	.08		.23	.15		.06	.05	.16		.03				.57	.17				4.50
Valley Chapel	do				.34	.27	.27	.16				.39	.20	.15			.07	.01		.05	T.	T.	T.	T.				.65					2.56
Vandalia	do				10		.19	.30			.07	.55		.09			.14							.11				.85					2.40
Wellsburg	Ohio				2.12			.51			.02	.42	.05	.03	.11					T.			.10			.06	.05						3 47
West Milford	Monongahela				.50		.20	.24				.60	.30				.14			.08					.10			.60					2.76
Weston	do					.12	.16	.18				.29	.61	.07	03		.11	.02		.14			.04	.08	T.			.92	.04				2.81
Wheeling (Dam 12) ||||	Ohio	.04			.41	.31		.83				.48		.05		.01				T				.05				T.					2.18
Woodlands ||||	do		T.		.04	.58	.06	.56				.50	.20	.08	.08	.02				.15				.10				.05					2.42
Southern Division																																	
Arbovale	Great Kanawha	.01			.08			.05			.24	.18	T.	.08	.08		.42	.42		.55			.01				.02	.02					2.16
Bancroft ||||	do					.20	.36	.19				.51	.28	.03						.34		T.	.07					.88					2.86
Beckley	do	.07			.09		.06	.45		.56	.12	.50	.23	.08	.04		.23	.57		.44	.12	.05	.04	.17			.06	.23					4.11
Bluefield	do		.07			.02	.13	.20		.96	.02	.54	.21	.07	.03		.12	.70		.55	.13	.03		.06	.08			.14					4.06
Charleston (Dam 6) ||||	do					.32	.03	.18	.12			.18	.19					.01		.16	.15		.02	.06				.51	.10				2.03
Clay ||||	do						.02	.21	.10			.24	.75	.08	.12		.02	.03		.14	.07	.03	.08	.02				.56	.10				2.57
Dam 19 O. R. ||||	Ohio		T.			T.	.22	.25				.17	.01	.02	T.			T				T.	.10	.10				.32	.01				1.20
Dam 20 O. R. ||||	do					T.	.33	.25				.22	.18	.03			T.			.03		T.	.18	.05				.36	.04				1.67
Dam 25 O. R. ||||	do						.08	.25				.25	.13				.05			.24			.01	.02				.34					1.37
Dam 26 O. R. ||||	do					.32	.08	.18				.34	.12				T.			.13			.05					.55					1.77
Durbin	Great Kanawha	.06			.05	.46		.20				.16	.68	.05	.15	T.	.28	.03	.20	.03				.06				.25	.02				2.68
Gary ||||	Big Sandy	.12				.03	.25	.20		.69	.25	.48	.24	.02	.02		.20	.21	.30	.18		.29	.02	.03				.04	.18		.04		3.79
Hinton ||||	do					.07		.16		.55	.28	.18	.23	.03	T		.34	.09	.38	.26	.23	.03	.04	.03				.02	.05				2.97
Huntington	Ohio				.28	.03		.19			.10	.51	.04				T.		T.	.41	T.	T.	.02	T.			.09	.67					2.34
Kanawha Falls ||||	Great Kanawha					T.	T	.27		T.		.22	.76	.08	.06		.05	.06		.08	.30	T.	.06					.34	.34				2.62
Kayford ||||	do					.25	.39	.36	.17	T.	.03	.16	.65	.13	.01	.02		.04		.16	.07	.03	T.	.01				.23	.40				3.11
Kingston	do							.60										1.00			1.50			1.00		.50							4.60
Lewisburg	do					T.		.39		.49		.31	T.	T.	T.		1.02	.23		.19	T.	T.	T.					T.					2.63
Logan ||||	Guyandotte					.65		.02		.05	T.	.35	.50					.02		.10	.05							.75	.03				2.52
Madison	Great Kanawha				.10	.15	.29	.04	.09		.43	.20	.07				.06		.20	.50							.76	.15					3.04
Marlinton	do				.14		.06	.06		.04	T.	.12	T.	.02			.68	.81		.36			T.	T.			T.	.13					2.42
Point Pleasant ||||	Ohio						.10	22				.24	.12	.04						.06		T.		.02				.42					1.22
Rainelle	Meadow Creek				.02	.12	.02	.45		.04	.08	.62	1.00	.26	.05		.35	.56		.19	.14	.06	T.	.08			.04	.26	T.				4.34
Ravenswood (Dam 22	Ohio ||||						.34	.11				.25	.12							.08			.12	.04				.39					1.45
Richwood	Great Kanawha				.16			.30		.08		.35	.25	.17	.03		.10	.20	.08	.65	.28	.02		.16				.72	.03				3.58
Robertsburg ||||	do					T.		.18				.26	.04					T.				T.	.07	.01				.86	.09				2.09
Ryan	do					.03		.07				.87	.20				.03		.10		.23					.22							1.75
Sharples ||||	Coal River					.71						.62	T.							.63		T.						.98					2.94
Spencer ||||	Great Kanawha					.18	.17	.21				.40	.37	.04	T.		T.			.36			.05	.03				.62					2.43
Sutton	Gauley						.05	.05				1.05	.18	.50			.15	.10		.20								.95					3.23
Union	do					.15		.25		.70		.22	.10				.50	.70		.25	T.			T.	T			T.					2.87
Wayne ||||	Big Sandy					.17	.29	.36		.02		.71	.12	.02						.39								.75					2.83
White Sulpr. Spgs. ||||	Great Kanawha								.20	.20	.20	.15				.50	.30	.65	.05	.10							.10						2.45
Williamson ||||	Big Sandy					.15	.03	.21	.01	.55	.04	.33	.19	.19				.02		.50	T.	.12		.02				.44	.12				2.92

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.024	.165	.201	.152	.055	.100	.203	.033	.213	.155	.157	.067	.028	.031	.099	.132	.087	.136	.123	.202	.118	.081	.082	.221	.246	.099	.048	.128	.090	.122	....	3.598
	Wind movement	32	64	65	56	55	38	101	46	27	41	69	172	136	92	112	68	50	44	54	77	80	53	61	93	121	115	30	75	24	18	....	2,069

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for April, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	69	70	78	74	59	75	70	66	67	72	60	45	38	40	69	64	60	78	68	60	45	60	70	64	55	43	47	53	65	67	....	61.7
	Minimum	30	31	29	44	38	40	45	26	30	30	40	25	25	26	25	33	37	26	47	30	28	26	42	28	22	33	36	22	23	28	....	31.5
Brandywine	Maximum	75	80	80	76	67	82	70	72	67	78	70	60	48	50	70	71	67	70	69	64	50	62	70	76	60	78	65	60	67	69	....	68.1
	Minimum	31	40	36	47	41	45	45	35	42	32	47	30	27	30	24	46	44	35	54	35	29	25	45	40	34	23	42	20	25	35	....	35.8
Kearneysville	Maximum	76	79	74	68	54	66	69	69	66	75	68	52	50	54	66	65	61	71	69	65	55	62	73	79	68	62	58	57	64	67	....	65.4
	Minimum	39	41	41	47	42	45	48	41	42	41	48	35	29	34	29	47	48	33	51	46	31	33	34	54	37	32	45	28	31	38	....	39.7
Martinsburg*	Maximum	80	82	78	60	55	67	68	74	72	78	58	50	46	58	70	65	65	76	72	61	55	65	78	82	54	65	58	62	67	..	....	66.2
	Minimum	34	38	42	46	42	42	45	42	44	42	48	36	31	34	30	46	48	36	34	46	32	35	45	49	38	32	35	30	32	37	....	39.0
McNeill	Maximum	77	78	80	73	54	84	65	72	69	78	73	50	45	56	70	68	65	73	75	68	50	65	74	78	65	64	56	62	67	71	....	67.5
	Minimum	36	39	33	46	44	48	56	31	38	35	47	34	25	33	25	50	44	29	51	35	31	28	49	54	36	20	44	18	25	34	....	37.3
Piedmont	Maximum	73	74	78	76	64	79	63	71	72	79	62	48	43	49	69	65	58	71	73	62	49	60	74	71	46	60	54	58	69	71	....	64.7
	Minimum	35	41	35	53	42	43	52	34	40	40	48	33	30	32	29	49	32	34	52	39	31	34	46	46	34	28	45	25	30	37	....	38.3
Romney	Maximum	78	78	82	68	66	79	72	73	71	80	74	52	45	54	71	69	68	71	76	72	51	66	76	78	71	63	69	61	69	71	....	69.1
	Minimum	38	39	32	49	43	45	50	33	38	37	50	34	29	32	26	51	43	31	52	40	29	32	47	51	36	23	43	23	27	35	....	37.9
Upper Tract	Maximum	72	71	69	67	53	..	61	63	62	75	70	66	42	..	74	65	51	50	48	47	45	..	72	64	49	48	48	60	64	68	....	60.1
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wardensville*	Maximum	75	78	79	69	57	75	67	69	60	69	75	64	56	46	56	68	67	57	69	69	57	52	67	71	76	..	61	56	58	65	....	65.1
	Minimum	39	32	43	41	42	46	34	35	55	35	48	33	25	30	25	50	45	30	49	39	34	29	45	53	35	..	23	22	26	34	....	37.1
Northern Division																																	
Alpena	Maximum	67	68	74	71	67	73	69	65	64	70	60	59	40	40	65	59	57	66	64	55	43	54	66	64	59	54	59	65	66	67	....	61.7
	Minimum	39	42	34	48	41	42	45	27	35	34	34	24	23	29	25	47	42	29	48	32	28	28	43	50	27	19	32	19	25	30	....	34.2
Bens Run	Maximum	72	73	82	71	78	81	67	73	70	71	59	58	44	50	74	65	67	76	70	61	49	61	73	65	55	55	53	62	77	80	....	66.4
	Minimum	43	53	44	51	48	55	47	40	44	44	37	34	32	36	31	52	41	39	57	42	31	40	46	49	34	33	41	28	36	43	....	41.8
Buckhannon	Maximum	71	73	81	74	77	80	75	67	72	76	65	47	44	46	75	74	73	78	74	65	50	65	73	73	58	62	53	54	72	71	....	67.3
	Minimum	41	50	44	54	46	56	50	36	46	44	45	22	30	35	30	52	44	48	54	43	31	36	50	40	34	28	40	25	33	39	....	40.9
Cairo	Maximum	73	74	83	84	80	84	84	73	76	77	78	65	43	50	77	77	67	76	79	71	52	60	69	74	65	56	60	61	75	77	....	70.7
	Minimum	34	34	38	50	43	50	48	33	41	36	50	32	30	35	27	55	39	32	54	39	25	37	47	52	26	24	28	22	29	35	....	37.5
Clarksburg*	Maximum	73	74	82	65	79	80	65	71	73	77	62	57	43	50	75	65	65	77	71	61	48	59	73	65	58	56	50	56	74	76	....	66.0
	Minimum	35	42	39	50	44	51	49	33	43	40	53	32	31	33	29	42	43	35	54	39	29	33	46	53	26	23	39	21	30	35	...	38.4
Creston	Maximum	74	75	83	82	83	82	80	70	77	76	67	46	45	51	76	72	70	79	70	62	51	60	75	73	52	58	52	61	75	79	....	68.5
	Minimum	34	43	40	48	43	51	48	36	44	38	45	30	31	36	37	54	41	37	56	41	26	33	48	50	27	24	40	23	29	36	....	39.0
Elkins	Maximum	71	70	80	68	78	78	61	68	71	74	61	33	39	45	69	62	62	71	68	51	41	57	69	65	44	56	48	53	70	72	....	61.9
	Minimum	47	45	38	50	43	50	42	32	40	37	31	28	28	33	27	50	41	34	51	34	31	33	48	39	29	24	30	22	29	38	....	36.8
Fairmont	Maximum	79	79	85	66	85	83	69	74	80	80	64	57	46	48	79	66	70	83	73	63	55	60	78	69	60	58	54	65	81	83	....	69.7
	Minimum	40	45	40	47	43	52	49	36	44	44	54	32	27	32	32	42	42	35	52	41	32	36	48	53	31	29	41	24	29	43	....	39.8
Glenville	Maximum	76	77	84	83	84	85	82	71	78	79	75	48	45	52	78	77	72	80	82	68	52	62	75	76	64	58	55	61	76	80	....	71.2
	Minimum	37	46	40	40	45	54	50	38	45	40	46	33	32	36	29	54	45	37	58	42	28	33	49	52	29	26	40	24	31	37	....	39.9
Grafton	Maximum	73	74	82	79	80	82	78	71	77	75	62	40	41	46	68	68	67	79	73	65	47	58	74	72	52	57	51	58	76	80	....	66.8
	Minimum	37	49	39	53	45	50	49	38	43	40	40	32	30	36	34	52	43	37	55	39	34	35	48	52	33	26	40	24	35	39	....	40.2
Lost Creek	Maximum	70	72	82	79	80	78	75	73	76	77	65	45	42	49	70	74	68	80	70	62	57	60	73	69	50	54	50	58	77	79	....	67.1
	Minimum	41	40	38	50	41	45	48	31	41	40	44	30	26	33	36	48	40	32	54	50	26	32	45	39	25	23	38	20	29	34	....	37.3
Mannington	Maximum	70	71	80	76	75	80	68	68	72	75	64	42	42	47	73	69	64	75	72	61	48	59	71	69	49	58	50	56	72	74	....	65.0
	Minimum	35	42	35	50	41	47	46	33	37	36	41	32	30	35	29	51	40	32	56	37	28	36	47	49	28	24	38	21	29	35	....	37.3
Morgantown	Maximum	71	72	82	71	80	79	79	77	78	77	71	39	58	55	52	65	66	76	75	73	47	59	71	71	49	50	48	55	77	75	....	66.6
	Minimum	42	42	42	51	51	52	39	46	38	39	34	29	27	27	30	36	39	40	41	39	33	33	42	33	30	31	36	24	38	45	....	37.7
New Cumberland*	Maximum	70	70	80	55	73	71	62	67	72	75	63	58	42	46	69	62	69	72	63	60	54	58	70	55	48	57	44	59	76	76	....	63.2
	Minimum	47	42	33	35	42	47	41	33	36	38	38	32	29	30	30	41	35	34	40	35	27	35	33	47	34	32	39	22	33	33	....	35.8
New Martinsville	Maximum	74	75	80	77	80	80	65	68	74	75	65	44	42	52	70	64	63	71	72	60	50	58	74	70	49	58	50	65	80	81	....	66.2
	Minimum	40	44	40	55	45	54	45	36	41	41	42	32	29	36	30	52	40	35	46	38	30	39	40	49	34	28	39	24	32	40	....	39.2
Parkersburg	Maximum	73	74	82	76	78	83	64	71	73	76	64	40	45	51	77	66	63	76	66	50	46	57	75	66	50	56	49	58	73	75	....	65.2
	Minimum	46	52	49	49	48	57	46	41	48	45	34	31	32	38	36	50	41	41	50	36	30	39	53	43	34	34	33	27	36	48	....	41.6
Parsons	Maximum	73	71	80	63	72	80	70	73	73	76	62	43	43	40	70	62	61	71	70	55	50	60	73	67	50	58	50	58	70	72	....	63.9
	Minimum	35	43	36	49	46	46	47	32	39	37	37	30	30	34	29	43	43	33	52	35	32	34	37	41	32	24	34	23	35	36	....	36.8
Pickens	Maximum	72	74	81	69	80	79	60	71	70	74	60	49	37	42	68	60	57	72	67	51	45	68	68	45	47	58	48	54	70	75	....	62.4
	Minimum	41	45	42	50	44	44	32	38	40	39	33	23	24	19	23	47	44	37	50	31	25	32	40	26	24	23	32	19	30	37	....	34.5
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wellsburg	Maximum	73	73	83	76	73	78	75	69	76	76	67	42	41	46	70	69	67	72	71	61	49	60	72	50	50	56	50	60	77	78	...	65.3
	Minimum	38	41	31	48	46	48	42	31	23	38	41	32	30	34	28	43	33	31	52	32	25	30	38	35	33	25	39	20	30	35	....	35.1
Weston	Maximum	75	73	82	80	82	81	79	74	73	75	73	60	45	48	71	70	70	80	78	70	58	58	71	72	69	56	52	60	78	76	....	69.6
	Minimum	40	46	45	58	45	61	58	41	50	45	46	30	31	35	32	52	45	40	45	42	30	36	48	45	29	26	40	27	32	38	....	41.3
Wheeling (Dam 12)	Maximum	72	80	87	69	79	79	77	74	75	74	75	46	43	73	71	54	84	86	65	48	48	59	71	58	46	55	41	59	75	78	....	66.7
	Minimum	40	42	37	41	45	44	43	45	36	43	33	32	30	30	32	37	37	35	40	36	30	35	47	38	36	30	35	25	34	41	....	37.0
Southern Division																																	
Beckley	Maximum	75	76	80	77	73	78	72	71	64	72	63	46	41	55	69	61	59	67	61	53	47	60	67	69	54	63	59	59	65	68	....	64.1
	Minimum	40	51	44	49	56	44	52	33	47	41	39	25	24	30	29	48	45	46	50	32	23	27	44	52	29	24	31	21	34	41	....	38.5
Bluefield	Maximum	..	76	80	79	78	78	76	..	69	69	69	54	41	57	..	68	63	63	60	62	43	..	69	70	68	65	62	56	..	65	....	65.6
	Minimum	..	48	46	53	51	46	56	..	41	44	49	27	27	33	..	37	52	49	52	36	29	..	32	58	34	31	39	26	..	42	....	41.5
Charleston*	Maximum	82	84	89	91	88	87	76	70	78	88	83	49	51	69	81	71	71	83	74	62	56	65	80	69	60	64	57	64	80	..	....	73.0
	Minimum	40	40	43	46	46	52	56	41	40	43	47	36	31	35	37	37	52	42	41	46	30	32	40	53	35	32	33	30	31	36	....	40.2
Gary*	Maximum	78	79	83	80	78	80	64	74	61	75	67	55	45	60	74	64	62	69	66	65	53	64	72	72	63	69	52	63	68	70	....	67.5
	Minimum	40	43	44	45	50	49	52	42	51	41	42	33	30	36	43	51	54	45	50	45	30	29	50	48	34	28	39	27	36	47	....	41.8
Hinton*	Maximum	83	85	89	82	77	84	69	76	58	79	69	43	50	68	77	71	69	74	67	53	46	68	78	76	57	68	55	68	73	76	....	69.4
	Minimum	40	42	43	46	49	50	51	42	46	44	44	32	32	35	33	39	45	53	53	41	30	32	34	47	37	30	35	30	35	43	....	40.4
Huntington	Maximum	79	78	85	84	85	85	79	74	78	78	69	48	48	60	78	75	71	82	74	62	53	63	75	74	57	58	55	60	77	78	....	70.7
	Minimum	40	52	46	56	49	58	52	43	52	45	48	34	35	42	37	58	47	45	59	44	34	37	53	54	35	33	49	30	36	51	....	45.1
Lewisburg	Maximum	80	79	80	80	72	89	66	73	72	73	66	48	45	57	70	68	68	70	64	64	64	68	70	68	67	62	63	70	72	73	....	68.4
	Minimum	42	36	49	43	49	45	50	38	50	40	43	31	28	33	30	48	50	40	52	35	26	27	26	33	30	24	32	36	37	37	....	38.0
Madison	Maximum	80	81	86	81	87	84	70	76	73	78	70	43	47	63	79	78	64	83	67	53	55	65	76	69	43	63	54	64	75	79	....	69.5
	Minimum	45	43	49	50	53	54	41	47	43	52	31	31	37	33	56	50	43	43	43	30	31	46	54	35	29	39	27	34	45	43	....	41.9
Marlinton	Maximum	74	76	70	72	68	72	66	68	60	60	58	50	42	38	64	60	60	62	60	54	44	54	64	66	44	42	52	58	60	64	....	59.4
	Minimum	30	38	32	32	32	32	42	30	42	40	45	26	22	26	30	42	45	34	50	34	28	22	42	42	30	22	24	22	22	32	....	33.1
Point Pleasant	Maximum	76	77	84	81	86	84	80	70	75	73	70	46	46	56	76	73	70	75	72	63	48	58	75	72	58	56	53	59	75	78	....	68.8
	Minimum	40	50	44	49	45	55	45	40	47	40	45	31	30	37	39	45	40	39	55	40	27	35	49	49	30	28	43	26	32	40	....	40.2
Rainelle	Maximum	74	74	76	77	67	77	77	76	67	67	55	41	42	56	66	65	64	64	61	55	44	57	70	70	61	57	51	60	60	63	....	63.2
	Minimum	32	36	34	39	43	45	44	31	49	33	40	26	26	30	25	49	43	42	51	32	24	24	41	41	30	20	36	22	28	43	...	35.3
Ravenswood	Maximum	75	75	86	82	87	87	84	72	77	77	67	71	50	53	77	74	70	78	82	68	50	59	74	77	62	56	51	60	74	77	....	71.1
	Minimum	37	49	44	56	47	56	45	40	47	42	42	33	32	39	35	54	38	36	56	42	38	38	51	53	30	31	35	24	31	48	....	41.6
Richwood	Maximum	74	74	79	76	74	78	80	70	78	72	72	42	42	50	70	61	61	65	69	58	43	57	68	69	64	58	54	56	60	71	....	64.8
	Minimum	35	42	45	44	47	49	47	33	46	36	41	27	23	32	29	51	47	49	40	33	28	28	44	48	31	25	35	24	32	43	....	37.8
Robertsburg*	Maximum	78	84	85	82	88	85	67	72	77	82	69	57	47	58	78	65	71	81	67	62	52	62	78	66	58	57	52	62	73	81	....	69.9
	Minimum	37	40	41	47	48	55	49	40	46	46	55	31	30	34	30	40	44	40	50	41	29	35	47	51	30	28	39	26	32	41	....	40.2
Ryan	Maximum	75	75	80	85	85	85	65	70	75	75	62	40	41	75	75	55	70	60	65	48	47	55	70	60	50	56	45	50	70	75	....	64.7
	Minimum	32	40	42	44	45	45	47	43	44	40	40	27	28	34	25	39	43	34	38	38	23	27	39	41	24	22	27	20	26	34	....	35.0
Spencer*	Maximum	77	76	84	78	86	84	68	71	77	78	67	50	46	53	71	57	69	81	69	53	50	60	74	65	53	57	59	60	75	78	....	67.5
	Minimum	38	53	44	49	48	50	50	40	44	43	50	32	33	39	30	43	44	39	46	44	29	35	45	55	30	29	38	26	32	44	....	40.7
Sutton	Maximum	75	76	85	85	84	75	65	72	74	79	79	51	47	53	73	73	66	77	77	70	50	60	75	75	66	58	58	59	75	80	....	69.7
	Minimum	38	47	41	49	48	52	51	37	46	39	48	30	30	35	28	57	46	38	56	40	28	31	49	56	30	25	40	25	30	32	....	40.2
Union	Maximum	..	81	80	79	77	79	79	..	52	73	72	63	40	56	..	62	62	62	62	61	45	..	69	74	74	66	70	60	..	69	....	66.7
	Minimum	..	63	64	64	50	50	45	..	45	52	51	32	31	40	..	52	54	50	54	39	27	..	27	54	34	25	42	24	..	35	....	44.2
White Sulphur Spgs*	Maximum	69	72	73	73	60	74	70	69	61	68	64	44	46	57	66	67	67	70	73	57	49	62	72	72	56	64	60	58	62	65	....	64.0
	Minimum	34	48	45	47	48	44	45	48	45	46	34	31	40	34	48	50	44	46	40	31	30	44	54	35	30	42	41	26	47	46	....	41.5
Williamson*	Maximum	78	80	84	84	84	84	68	74	69	78	70	55	49	64	78	68	63	82	72	60	54	68	75	70	60	67	54	64	74	78	....	70.3
	Minimum	42	46	48	50	54	56	60	46	50	47	49	36	34	39	37	50	54	48	54	46	36	33	44	53	39	33	44	31	37	44	....	44.7

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-28-34—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

JUN 8 '34

WEST VIRGINIA SECTION

40

CITY OF [illegible]

R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., MAY, 1934 No. 5

GENERAL SUMMARY

The past month was unusually dry, being the driest May since 1914, and the third driest of May State record. The average State rainfall, 2.08 inches, was about one half of the normal. The outstanding dry Mays were in 1911 and 1914, when the averages were 1.46 and 1.96 inches, respectively. The rainfall occurred mostly in the form of thundershowers and was unfavorably distributed, there were stations having from 12 to 15 consecutive days without measurable amounts. While the temperature averaged considerably above the normal, the month was not free from cool periods, as freezing temperatures and heavy frosts were reported from many districts on four or five days. The warmest weather prevailed generally on the 21st, the maximum readings being above 90° at practically all stations. Moderate dust storms prevailed over the State on the 7th and 11th. All crops suffered severely from high temperature and lack of moisture. At the close of the month, pastures and meadows were drying up and wheat and oats were heading, but the heads were not well filled. Frosts occurred during the second decade of the month in the central, western, and northern portions of the State, damaging fruit crops, gardens, and other vegetation.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 63.1° or 1.4° above the normal. The temperature was above the normal during most of the month, with the highest readings occurring generally on the 20th, 21st, and 30th. The highest monthly mean was 68.1° at Huntington, and the lowest, 56.0° at Alpena. The highest temperature was 100° at Martinsburg on the 20th, and Fairmont on the 21st, and the lowest, 27° at Bayard on the 26th, making the monthly range for the State 73°. The greatest daily range was 53° at Lost Creek on the 7th.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 2.08 inches, which was 1.89 inches less than the normal. The precipitation occurred mostly in the form of thundershowers and was somewhat general on the 10-11th, 15-16th, 22-23d, and 25th, the greatest amounts being noted on the 10th and 15th. The rainfall was the greatest over the mountain districts, and least in the central and southern Ohio River counties. The greatest monthly precipitation was 4.41 inches at Pickens, and the least, 0.92 inch at Cairo. The greatest amount in any 24 consecutive hours was 1.87 inches at Pickens on the 10th. The average number of days with .01 inch or more of precipitation was 6.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Monongalia, Pleasants, Randolph, Taylor, and Wood, 10th; Raleigh, 20th; Hampshire, 21st; Hancock, 22d.

HEAVY HAIL

Moderate to heavy hail fell in and near Wheeling, Ohio County, on the 22d, with little damage. Heavy hail fell at Union, Union County, on the 20th; the stones were about the size of small marbles and caused practically no damage.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 21st; Dam 13, O. R., 1st, 14th, 17th, 19th, 23d, 26th, 27th, and 29th; Grafton, 16th; Hinton, 15th and 18th; Pickens, 15th.

Thunderstorms (dates and number of stations reporting): 10th, 15; 11th, 2; 14th, 5; 15th, 5; 21st, 4; 22d, 14; 23d, 2; 24th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.02	30.41	1	29.66	29	6.5	21	w.	10	66	40	43	81
Columbus, Ohio	30.02	30.41	1	29.68	29	9.4	31	w.	10	60	43	42	81
Elkins	30.05	30.50	1	29.70	29	5.6	28	w.	10	74	42	54	61
Parkersburg	30.05	30.46	1	29.68	29	5.6	36	w.	10	67	41	46	69
Pittsburgh, Pa	30.02	30.43	1	29.66	29	8.7	30	nw.	21	60	40	41	83
Wytheville, Va	29.99	30.45	1	29.59	29	5.9	21	w.	5	68	40	53	67

COMPARATIVE DATA FOR MAY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	57.2	−4.5	......	......	3.18	−0.79	......	......	......	....	....	....	....
1892	62.2	+0.5	96	32	5.04	+1.07	......	......	......	....	....	....	....
1893	59.5	−2.2	92	30	4.51	+0.54	6.41	1.83	......	10	12	9	10
1894	62.1	+0.4	100	28	4.44	+0.47	9.40	2.17	......	13	16	9	6
1895	61.6	−0.1	**105**	20	2.60	−1.37	6.31	0.79	......	9	12	11	8
1896	**68.3**	+6.6	95	33	3.01	−0.96	5.92	0.65	......	10	11	13	7
1897	57.6	−4.1	90	23	4.60	+0.63	7.06	2.17	.....	11	13	10	8
1898	63.0	+1.3	94	28	4.51	+0.54	6.15	2.76	......	13	13	10	8
1899	64.1	+2.4	96	35	5.17	+1.20	7.68	3.17	......	12	11	11	9
1900	62.5	+0.8	98	21	2.99	−0.98	6.75	0.35	...	8	14	9	8
1901	61.8	+0.1	96	21	6.15	+2.18	8.88	2.50	......	13	11	10	10
1902	65.2	+3.5	98	25	3.17	−0.80	6.09	1.30	......	9	14	11	6
1903	64.3	+2.6	95	20	3.03	−0.94	6.24	0.80	T.	8	18	9	4
1904	61.8	+0.1	98	25	3.55	−0.42	5.80	1.54	T.	11	12	11	8
1905	64.2	+2.5	96	26	4.95	+0.98	7.96	1.90	0	11	12	10	9
1906	62.7	+1.0	98	22	2.59	−1.38	6.89	0.39	T.	9	15	9	7
1907	59.0	−2.7	93	24	3.88	−0.09	6.37	1.38	T.	12	12	10	9
1908	63.4	+1.7	96	28	6.19	+2.22	11.45	2.73	0.1	17	9	12	10
1909	60.8	−0.9	93	21	3.82	−0.15	6.05	1.80	0.1	10	14	9	8
1910	57.9	−3.8	96	19	3.92	−0.05	5.87	1.55	0	12	11	10	10
1911	66.0	+4.3	100	22	**1.46**	−2.51	6.35	**0.03**	0	5	20	8	3
1912	63.3	+1.6	94	31	3.93	−0.04	7.50	1.16	0	11	15	8	8
1913	61.6	−0.1	95	19	5.16	+1.19	8.86	1.89	0	10	14	8	9
1914	62.4	+0.7	100	24	1.96	−2.01	3.75	0.55	0	6	18	8	5
1915	61.1	−0.6	92	29	4.22	+0.25	6.85	2.56	0	13	10	9	12
1916	64.0	+2.3	97	28	3.58	−0.39	6.00	0.90	T.	11	14	9	8
1917	**55.5**	−6.2	95	25	4.88	+0.91	5.45	2.45	T.	10	11	8	12
1918	66.7	+5.0	97	25	4.34	+0.37	10.28	1.85	T.	11	15	9	7
1919	61.5	−0.2	100	30	5.25	+1.28	10.71	2.75	0	13	12	7	12
1920	58.9	−2.8	95	24	2.76	−1.21	6.97	1.08	T.	7	16	6	9
1921	61.4	−0.3	96	24	4.48	+0.51	10.67	2.12	T.	12	12	7	12
1922	63.7	+2.0	94	26	3.67	−0.30	5.83	1.55	0	11	14	7	10
1923	59.7	−2.0	93	21	2.58	−1.39	5.33	0.18	1.3	8	16	6	9
1924	**55.5**	−6.2	93	23	**7.20**	+3.23	**12.20**	3.91	0.1	17	9	7	15
1925	56.8	−4.9	100	21	3.35	−0.62	6.56	0.70	0.2	10	13	8	10
1926	61.2	−0.5	94	**14**	2.50	−1.47	4.65	0.07	T.	9	15	8	8
1927	62.0	+0.3	95	21	4.13	+0.16	7.74	0.75	T.	15	10	8	13
1928	58.9	−2.8	94	22	2.61	−1.36	5.30	0.55	T.	10	14	8	9
1929	60.8	−0.9	98	23	5.81	+1.84	11.14	2.25	0.1	15	10	9	12
1930	63.3	+1.6	101	23	2.17	−1.80	4.99	0.64	0	10	15	8	8
1931	60.6	−1.1	98	23	5.09	+1.12	9.59	2.68	T.	15	12	8	11
1932	62.1	+0.4	96	24	3.11	−0.86	6.78	0.62	0	9	17	7	7
1933	65.1	+3.4	97	34	6.99	+3.02	11.36	3.50	0	18	8	10	13
1934	63.1	+1.4	100	27	2.08	−1.89	4.41	0.92	0	6	18	8	5
Period	61.7	......	105	14	3.97	......	12.20	0.03	T.	11	13	9	9

Climatological Data for May, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	56.4	0.0	91	21	27	26	48	2.06	−2.48	0.73	0	7	25	5	1	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	61.6	+3.0	94	21	30	12	52	2.60	−0.16	0.75	0	9	20	1	10	s.	Elmer Keister
Circleville	Pendleton	......	2	......	......	......	......	......	......	......	3.28	......	0.75	0	9	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	......	......	......	......	......	......	......	2.65	−1.01	0.90	0	10	......	......	......	......	J. C. Newcomer
Kearneysville	Jefferson	548	4	64.3	......	94	20	39	12	40	2.71	......	1.08	0	7	14	11	6	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}65.4	+2.6	100^{a}	20	40	1†	46^{a}	3.13	−0.41	0.82	0	11	20	10	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	60.8	......	92	19†	30	8	47	2.46	−0.98	1.03	0	6	6	8	17	w.	John W. McNeill
Piedmont	Mineral	1,053	21	63.4	+3.4	96	21	36	12	47	1.84	−1.66	0.92	0	5	17	7	7	se.	C. A. Suter, Jr.
Romney	Hampshire	824	36	63.1	+0.2	95	21	33	12	49	2.58	−1.06	0.99	0	12	11	11	9	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	......	......	......	......	......	......	......	2.35	−2.25	0.76	0	7	7	9	15	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	^{f}60.2	−0.1	86^{b}	21	33^{f}	11	42^{f}	2.27	−0.58	0.72	0	5	......	......	......	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	^{c}61.4	+2.0	90	21	33^{c}	12	46^{c}	2.77	−0.19	0.63	0	12	16	7	8	......	Reymaun Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	......	......	......	......	......	......	......	2.39	−1.48	0.78	0	6	13	13	5	w.	L. Else Bond
Alma (near)	Tyler	800	7	......	......	......	......	......	......	......	2.07	......	0.80	0	5	26	2	3	......	D. N. Furbee
Alpena	Randolph	2,571	4	56.0	......	83	21	29	8†	41	2.39	......	0.65	0	9	16	11	4	w.	Christian Hertig
Benson	Harrison	1,080	10	61.0	+0.2	90	21	31	8	47	2.89	−1.04	0.98	0	8	16	12	3	......	R. D. Marts
Bens Run	Pleasants	652	32	67.3	+4.3	96	21	42	16	41	2.23	−1.83	0.68	0	5	24	3	4	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	62.2	+0.6	92	20†	34	8	45	1.88	−2.35	0.79	0	5	19	10	2	......	W. B. Worley
Bruceton Mills	Preston	1,549	17	......	......	......	......	......	......	......	1.59	−2.78	0.76	0	4	19	9	3	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	63.0	+1.9	90	21	37	26	39	2.23	−2.31	0.78	0	6	20	10	1	......	H. A. Darnall
Cairo	Ritchie	680	33	63.4	+0.3	93	21†	35	8†	47	0.92	−2.50	0.45	0	5	22	4	5	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	62.8	+2.5	94	21	34	8	43	2.21	−1.47	1.02	0	6	16	11	4	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	11	......	......	......	......	......	......	......	1.92	−2.57	0.94	0	9	19	11	1	sw.	George W. Blair
Creston	Wirt	640	32	64.2	+1.1	95	21	36	8†	45	1.47	−2.32	0.64	0	5	18	4	9	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	......	......	......	......	......	......	......	1.71	−2.36	0.85	0	6	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	18	......	......	......	......	......	......	......	1.77	−1.69	0.70	0	7	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	......	......	......	......	......	......	......	1.47	−2.19	0.43	0	6	......	......	......	......	Lockmaster
Davis	Tucker	3,093	25	......	......	......	......	......	......	......	3.52	−1.21	1.15	0	7	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	......	......	......	......	......	......	......	1.60	−1.89	0.71	0	6	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	33	59.5	+0.3	87	21	33	26	41	2.16	−1.89	1.13	0	8	9	9	13	n.	U. S. Weather Bureau
Fairmont	Marion	883	28	66.0	+3.9	100	21	38	8†	48	1.80	−2.10	0.82	0	5	15	10	6	w.	J. C. Robinson
Glenville	Gilmer	738	40	65.1	+1.5	95	21†	37	12†	45	1.32	−2.84	0.44	0	6	19	6	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	63.5	+2.0	94	21	36	8†	45	1.84	−2.20	0.65	0	5	21	1	9	......	W. E. Clayton
Horner	Lewis	1,044	11	......	......	......	......	......	......	......	1.83	−2.84	0.87	0	4	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	9	......	......	......	......	......	......	......	3.25	−0.86	1.16	0	10	16	7	8	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	63.0	+3.0	92	21	35	8†	46	1.89	−2.71	0.74	0	4	21	6	4	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	62.3	+1.9	94	21	33	7†	53	2.16	−1.98	0.82	0	5	19	5	7	w.	Allen Smith
Mannington	Marion	985	31	61.4	+1.0	89	21	34	8	44	1.65	−2.25	0.55	0	7	19	8	4	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	62.0	−0.1	92	21	33	24†	48	1.96	−1.67	0.90	0	4	26	1	4	sw.	Bruce Davis
New Cumberland	Hancock	671	36	^{a}63.0	+2.8	91^{a}	20†	34	16	44^{a}	1.04	−2.36	0.55	0	6	19	5	7	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	65.4	+1.4	94	21	38	8	45	2.57	−1.08	1.10	0	5	22	4	5	s.	Wm. Ankrom
Parkersburg	Wood	638	47	65.8	+2.0	93	21	43	16	38	2.09	−1.29	1.02	0	7	18	7	6	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	61.6	+2.8	92	21	33	8†	43	1.43	−2.70	......	0	......	18	4	9	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	......	......	......	......	......	......	......	2.16	−1.97	0.69	0	7	20	5	6	......	Robert T. Deem
Philippi	Barbour	1,550	37	......	......	......	......	......	......	......	2.43	−1.94	0.53	0	8	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	31	60.0	+1.9	91	21	31	26	42	4.41	−1.01	1.87	0	8	17	10	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	......	......	......	......	......	......	......	1.37	−2.99	0.85	0	7	21	6	4	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	47	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Walter H. Bolyard
Saint Marys	Pleasants	577	25	......	......	......	......	......	......	......	2.19	−1.38	0.56	0	6	......	......	......	......	Wm. Hughes
Terra Alta	Preston	2,559	33	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Walter Steen
Thomas	Tucker	2,950	5	......	......	......	......	......	......	......	2.27	......	0.59	0	8	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	11	62.8	+1.2	92	21	35	8†	45	2.22	−1.67	0.83	0	8	18	5	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	......	......	......	......	......	......	......	1.69	−1.89	0.77	0	4	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	27	62.6	+2.4	93	20	32	16	50	1.00	−2.55	0.47	0	4	21	6	4	e.	George P. Pfister
West Milford	Harrison	979	9	......	......	......	......	......	......	......	2.30	−1.43	0.85	0	4	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	65.9	+3.2	95	21	36	12	49	2.13	−2.13	0.48	0	7	14	16	1	......	A. Henry
Wheeling (Dam 12)	Ohio	659	47	64.1	+2.3	92	30†	37	16	43	1.65	−1.73	0.70	0	7	18	9	7	......	Lockmaster
Woodlands	Marshall	637	7	......	......	......	......	......	......	......	2.93	......	0.90	0	6	19	8	4	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	......	......	......	......	......	......	......	2.40	......	0.65	0	8	17	8	6	w.	H. S. Sutton
Bancroft ††	Putnam	574	30	65.8	+3.0	91	22	41	28	45	2.74	−1.12	0.79	0	6	16	5	10	w.	Charles N. Long
Beckley	Raleigh	2,440	31	61.2	+1.4	88	21	30	26	39	2.38	−1.24	0.75	0	10	11	19	1	......	L. A. Mauck
Bluefield ^{d}	Mercer	2,558	39	63.6	+2.0	89	21	38	26	37	2.17	−1.33	0.61	0	9	9	15	3	......	Norfolk & Western Ry.
Charleston (Dam 6 G. K)	Kanawha	600	31	67.2	+1.8	97	21	41	28	45	1.90	−2.03	0.80	0	4	17	0	14	......	Lockmaster
Clay	Clay	706	18	......	......	......	......	......	......	......	2.85	−1.08	1.02	0	7	......	......	......	......	Chilton Wilson
Dam 19 O. R.	Wood	600	18	......	......	......	......	......	......	......	2.58	−1.24	0.89	0	6	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	18	......	......	......	......	......	......	......	1.70	−1.82	0.78	0	6	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	7	......	......	......	......	......	......	......	0.94	......	0.50	0	3	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	18	......	......	......	......	......	......	......	1.86	−1.54	0.95	0	4	......	......	......	......	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	......	......	......	......	......	......	......	2.81	......	0.97	0	10	......	......	......	......	Mrs. D. R Gandinees
Gary	McDowell	1,426	18	63.9	+2.8	90	21	38	26	40	1.29	−2.87	0.70	0	6	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	66.2	+2.8	97	21	40	1	44	1.65	−2.03	0.55	0	7	27	2	2	......	Mrs. M. L. McClung
Huntington	Cabell	538	37	68.1	+3.4	95	20†	42	26	38	1.27	−2.66	0.60	0	6	18	8	5	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	......	......	......	......	......	......	......	2.88	−1.02	1.10	0	5	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	18	......	......	......	......	......	......	......	2.49	−2.44	1.26	0	6	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	......	......	......	......	......	......	......	1.81	......	0.47	0	6	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Rose Argabrite
Logan	Logan	700	31	......	......	......	......	......	......	......	1.48	−2.78	0.60	0	6	......	......	......	......	J. R. Wampler
Madison	Boone	675	13	65.3	+1.5	94	21	39	25	47	2.37	−1.96	0.87	0	6	24	4	3	......	W. E. Holy
Marlinton	Pocahontas	2,131	35	56.2	−0.8	84	21	30	12†	44	3.90	−0.16	1.11	0	7	3	21	7	sw.	S. L. Brown
Point Pleasant	Mason	595	41	65.0	+0.3	93	20†	38	26	42	1.06	−2.82	0.74	0	4	17	10	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	58.2	......	89	20	31	26	44	1.50	......	0.62	0	6	24	5	2	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	66.1	+4.2	95	20†	38	26	45	1.68	−1.81	0.72	0	5	22	4	5	ne.	Lockmaster
Richwood	Nicholas	2,193	4	61.8	......	89	23	35	27	46	2.68	......	0.90	0	9	14	13	4	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	66.4	+1.2	94	20†	38	26	44	0.98	−2.40	0.34	0	6	24	0	7	......	M. Frazier
Ryan	Roane	700	31	60.9	−0.3	88	21†	32	25	44	0.94	−2.62	0.41	0	4	24	5	2	......	Wm E. Ryan
Sharples	Logan	889	14	......	......	......	......	......	......	......	1.28	−2.79	0.70	0	2	......	......	......	......	R. W. Howard
Spencer	Roane	789	30	65.2	+3.2	93	21	38	26	42	1.81	−1.78	0.39	0	6	19	9	3	......	A. M. McKown
Sutton	Braxton	850	28	63.2	−0.1	93	21†	31	14	52	2.90	−1.68	1.15	0	8	22	0	9	......	C. B. Eakle
Union ^{d}	Monroe	2,250	30	63.4	+2.5	94	21	37	26	48	1.70	−1.23	0.95	0	5	19	8	0	......	C. B. King
Wayne	Wayne	598	7	......	......	......	......	......	......	......	1.69	......	0.56	0	5	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	66.9	+6.4	91	21	45	2	36	1.75	−1.67	0.50	0	7	27	4	0	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	67.6	+2.6	95	20†	43	26	44	1.48	−2.60	0.67	0	7	14	13	4	ne.	J. E. Dotson
State averages and	extremes	......	....	63.1	+1.4	100	20†	27	26	53	2.08	−1.89	1.87	0	6	18	8	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac			.11								.28				.56							.30			.73	.02		.06				2.06
Brandywine	do			.30							.40						.75					.05	.30		.10	.40		T.		.20	.10		2.60
Circleville	do				.23							.68				.44	.42							.37		.75	.04		.07		.28		3.28
Harpers Ferry ||||	do			.20	.54							.21				.25	.24						T.	.25		.60	.30		.03		.03		2.65
Kearneysville	do			1.08	.07						T.	.09				.50	T.						.30		T.	.62			T.	.05			2.71
Martinsburg ||||	do			.28	.75	.02						.30				.22	.82						.05	.22		.22	.15				.10		3.13
McNeill	do				.36							.48			T.	1.03							.03	T.		T.	.48		T.		.08	T.	2.46
Piedmont	do			.22							.06	.17				.47										.92				T.			1.84
Romney||||	do			.73	.01						.04	.09			.01	.58	.02					.05	.04	.01		.99				.01			2.58
Stony River Dam	do											.48				.15	.76							.04		.76			.04		.12		2.35
Upper Tract	do										.61				T.	.45						T.	.25		T.	.72		T.		.24			2.27
Wardensville||||	do			.14	.48	.01						.35				.35	.36						T.	.34		.62	.01		.04	.01	.06		2.77
Northern Division																																	
Aberdeen	Monongahela										T	.50			T.	.78	.05						.62			.38			.06	T.			2.39
Alma (near)	Ohio										.37				.08	.79							.80		.03								2.07
Alpena	Monongahela											.64	.24			T.	.30						.30	.12		.04	.65		.06	T.	.04		2.39
Benson	do										.65	.10			.12	.75	.06						.98			.18			.05				2.89
Beus Run	Ohio										.55				.57	.37							.68		.06								2.23
Brownsville	Monongahela										.32					.79							.35			.40			.02				1.88
Bruceton Mills	do											.58				.76							.20			.05		T.					1.59
Buckhannon	do										.35	.05			T.	.78							.55		.05	.45				T.			2.23
Cairo	Little Kanawha											.31				.45	.07						.04	.05									0.92
Clarksburg||||	Monongahela											.57				.22	.25							1.02		.12			.03				2.21
Crawford||||	do										.34	.01			.01	.94							.09		.02	.46			.04	.01			1.92
Creston||||	Little Kanawha											.64				.24	.49						.03	.07									1.47
Dam 10, Mon. R.||||	Monongahela											.39				.85	.19						.08	.13		.07							1.71
Dam 13, O. R.||||	Ohio											.40			.02	.30	.40						.18	.44		.03							1.77
Dam 15, Mon. R.||||	Monongahela											.43			T.	.43	.14						.10	.33		.04			T.	T.			1.47
Davis ||||	do				.37	.10				.85						.30	.85						.40			.65			T.	T.	T.		3.52
Elizabeth (D'm 3 LK)	Little Kanawha											.71				.27	.28						.17	.14		.03							1.60
Elkins***	Monongahela			T.							.43				.29	.84						T.	.08		.01	.44		.05		.02			2.16
Fairmont||||	do										.51					.82							.37		.05			.05					1.80
Glenville ||||	Little Kanawha											.35				.14	.44						.10	.12		.17				T.			1.32
Grafton ||||	Monongahela										.65				.05	.58							.23			.33		T		T.			1.84
Horner	do										.40					.87							.36					.20					1.83
Horton	do			.37							.37	.08			T.	1.16						.15	.15		.06	.70				.15	.06		3.25
Janelew (near)	do											.30				.65							.74						.20				1.89
Lost Creek	do										.60					.47							.82		.03	.24		T.	T.	T.	T.		2.16
Mannington	do										.40				.25	.55							.33		.04	.05			T.	.03			1.65
Morgantown	do										.41				.50	.90							.15		T.								1.96
New Cumberland||||	Ohio											.07			.07	.29	.04						.55			.02							1.04
New Martinsville	do										.60				.27	.50							1.10		.10								2.57
Parkersburg***	do						T.			T.	.51				.79	.28							.14	.33	.03				.01				2.09
Parsons	Monongahela										.28					.25						T.	.35		T.	*	.55	T.					1.43
Parsons No. 2	do										.33	.06				.69							.33		T.	.64		.06	T.	.05			2.16
Philippi	do											.40				.36	.47						.02	.48		.53			.12	.05			2.43
Pickens	do										1.87				.50	.81						.22	.22		.08	.63		.08					4.41
Roanoke	do										.01	.34				.85	.02						.01	.11				.03	T.				1.37
Rowlesburg||||	do																																
Saint Marys||||	Ohio											.56			T.	.56	.26						.32	.44		.05							2.19
Terra Alta	Monongahela																																
Thomas ||||	do				.21							.45				.16	.59							.21		.58	.01		.06				2.27
Valley Chapel	do										T.	.40				.40	.05			.05	.05		.83	T.		.38			.06				2.22
Vandalia	do										.38					.77							.15			.39							1.69
Wellsburg	Ohio										.47				T.	.36						.09	.08		T.								1.00
West Milford	Monongahela										.55					.60							.85			.30							2.30
Weston	do											.48				.32	.41							.48		.34			.08	.02	T.		2.13
Wheeling (Dam 12)||||	Ohio											.70	T.		.02	.18	.45						.24	.03		.03							1.65
Woodlands||||	do											.86			T.	.15	.35						.60	.90	.07								2.93
Southern Division																																	
Arbovale	Great Kanawha			.05							.55				T.	.65							.40		.42			.02		.12	.19		2.40
Bancroft ||||	do											.58	.79			.65	.39									.13					.20		2.74
Beckley	do									T.	.41	.13				.75	.07	.14			.55	.08	.06			.14				.05			2.38
Bluefield	do										.21	.61				.14		.44				.35	.10			.18				.03	.11		2.17
Charleston (Dam 6)||||	do											.80				.60	.28									.22							1.90
Clay||||	do											1.02				1.01	.39						.01	.09		.25					.08		2.85
Dam 19 O. R. ||||	Ohio									T.		.62			T.	.89	.23						.30	.53		.01							2.58
Dam 20 O. R. ||||	do									T.		.20			T.	.78	.27						.31	.10		.04							1.70
Dam 25 O. R. ||||	do											.26				T.	.50						.18	T.									0.94
Dam 26 O. R. ||||	do											.42					.44							.95		.05							1.86
Durbin	Great Kanawha				.02							.97				.36	.35						.12	.38		.42	T.		.10	.04	.05		2.81
Gary ||||	Big Sandy											.70					.38	.15						.01		.02				.03			1.29
Hinton||||	do											.47				.25	.55	.12	.03			.18		T.		.05							1.65
Huntington	Ohio							T.			.18				.32	.60							.09		T.	.04					.04		1.27
Kanawha Falls||||	Great Kanawha											1.10				.56	.10	T.					T.	.75		.37					T.		2.88
Kayford||||	do											.77				1.26	.10	.02								.31					.03		2.49
Kingston	do		.40							.20											.30			.47						.35		.09	1.81
ewisburg	do																																
ogan||||	Guyandotte											.40				.60	.12	T.						.05		.28	T.				.03		1.48
Madison	Great Kanawha										.82				.87	.12							.15	T.	.38					.03			2.37
arlinton	do										1.06				.18	1.11							.55		.80				.12		.08		3.90
oint Pleasant||||	Ohio											.30				.06	.68									.02							1.06
ainelle	Meadow Creek										.11	.55				.62	T.							.09		.12				.01			1.50
avenswood (Dam 22	Ohio||||											.72				.05	.41	.40					.10										1.68
ichwood	Great Kanawha							.04			.18	.90				.85	.03							.15	.03	.45				.05			2.68
obertsburg||||	do											.24				.20	.34							.05		.05					.10		0.98
yan	do										.41				.05	.40	.08																0.94
harples||||	Coal River											.58				.70								T.									1.28
pencer ||||	Great Kanawha											.34				.39	.33						.16	.39		.20							1.81
utton	Gauley									T.	.30	.40			.10	1.15	.10						.10	.35		.40							2.90
nion	do										T.	.20				.20		.15				.95				.20					T.		1.70
ayne||||	Big Sandy											.56				.39	.28							.21							.25		1.69
hite Sulpr. Spgs.||||	Great Kanawha										.40				.10	.40							.50		.20			.05		.10			1.75
illiamson||||	Big Sandy											.67				.41	.13	.01						.03		.22					.01		1.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

rksburg	Evaporation	.189	.167	.265	.123	.190	.198	.174	.295	.194	.218	.227	.210	.143	.260	.044	.048	.167	.124	.242	.235	.300	.316	.190	.222	.131	.266	.130	.131	.236	.175	.201	6.011
	Wind movement	30	26	46	38	34	31	34	102	37	38	107	66	28	69	40	37	46	15	42	47	51	48	50	31	52	40	35	52	55	62	28	1,417

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for May, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	72	70	66	75	80	81	78	70	80	75	58	63	78	75	69	65	71	79	84	83	90	80	66	68	60	60	60	71	70	75	81	72.7
	Minimum	28	30	38	37	37	42	54	28	35	52	52	29	30	49	50	31	33	40	45	55	50	51	40	30	44	27	29	40	45	50	42	40.1
Brandywine	Maximum	72	75	80	84	86	89	87	86	84	75	72	75	80	85	75	74	72	85	91	90	94	92	75	74	65	64	60	75	70	78	84	78.9
	Minimum	34	39	40	45	50	42	55	34	40	44	55	30	38	49	52	42	40	38	50	49	50	48	52	34	48	35	34	44	54	56	54	44.4
Kearneysville	Maximum	73	73	66	76	85	84	84	75	79	88	71	67	77	80	68	64	71	89	82	94	92	88	72	76	59	64	66	75	70	79	83	76.5
	Minimum	41	41	62	58	50	56	62	43	44	60	61	39	40	59	55	45	44	49	54	61	60	62	53	44	51	47	51	50	56	62	55	52.1
Martinsburg*	Maximum	73	75	64	80	90	88	89	80	83	90	72	70	82	80	65	67	72	90	85	100	98	90	77	78	62	67	70	80	73	83	..	79.1
	Minimum	40	47	45	55	50	58	67	46	47	50	62	40	41	60	57	45	45	44	60	58	60	61	52	45	50	47	50	50	54	58	58	51.7
McNeill	Maximum	79	71	68	81	85	88	85	75	85	86	70	70	80	75	75	67	73	83	92	90	92	89	74	77	63	66	66	78	72	83	87	78.2
	Minimum	34	34	45	46	42	47	51	30	38	57	51	31	35	35	35	38	40	38	50	50	50	54	48	33	55	33	40	44	60	53	49	43.4
Piedmont	Maximum	75	74	70	82	84	88	86	77	84	88	67	70	86	79	60	68	74	88	91	91	96	89	74	75	63	67	68	76	76	79	84	78.4
	Minimum	39	42	48	50	52	59	60	41	45	54	61	36	39	48	55	40	42	44	53	57	55	57	46	39	49	37	42	44	53	57	53	48.3
Romney	Maximum	77	74	70	82	87	89	86	79	86	85	68	71	86	80	73	68	74	89	93	93	95	88	77	79	65	66	68	78	75	82	87	79.7
	Minimum	37	37	48	52	46	52	60	35	41	60	62	33	37	36	55	37	41	41	49	58	53	55	45	37	49	37	41	44	52	59	53	46.5
Upper Tract	Maximum	75	74	79	80	80	81	76	72	77	75	69	..	79	..	68	68	74	76	79	83	86	83	68	66	63	63	65	72	72	73	79	74.3
	Minimum	..	..	..	..	46	47	57	38	46	57	33	..	37	..	43	43	43	45	52	52	51	57	42	37	48	35	43	42	52	57	50	46.1
Wardensville*	Maximum	71	68	66	78	85	87	84	79	81	87	79	69	68	78	68	67	74	85	83	89	90	84	78	75	71	61	63	76	66	78	83	76.5
	Minimum	35	49	..	..		51	54	36	40	53	60	33	36	36	56	43	41	39	48	53	53	52	49	36	49	41	42	48	49	59	53	46.2
Northern Division																																	
Alpena	Maximum	69	68	61	72	78	79	76	70	77	73	60	62	71	71	64	64	70	77	82	80	83	75	65	68	56	58	59	69	70	74	80	70.4
	Minimum	31	31	39	45	39	46	56	29	36	53	50	29	33	48	56	35	40	37	46	47	45	54	48	30	43	29	29	42	50	49	44	41.6
Bens Run	Maximum	83	82	89	85	89	87	85	81	88	86	68	71	85	77	63	70	82	88	90	93	96	81	76	74	71	73	73	80	80	88	94	81.5
	Minimum	46	48	48	51	54	60	62	43	55	63	60	45	46	63	57	42	45	51	58	59	61	64	52	48	46	46	48	52	56	59	59	53.1
Buckhannon	Maximum	67	76	74	80	85	83	84	78	84	83	70	64	80	74	73	66	73	82	86	86	90	86	68	76	64	66	67	78	80	84	84	77.1
	Minimum	40	44	45	43	48	50	56	39	49	58	58	38	43	58	55	43	46	46	53	53	55	63	53	43	45	37	40	50	58	52	53	48.8
Cairo	Maximum	79	81	82	83	87	87	86	81	87	83	83	67	84	83	77	65	74	84	86	92	93	93	80	76	74	70	72	76	80	84	90	81.3
	Minimum	38	41	39	42	47	53	51	35	49	55	53	35	37	54	56	38	37	43	50	50	53	60	47	39	42	35	40	44	47	49	50	45.5
Clarksburg *	Maximum	78	78	78	81	87	87	83	77	87	81	75	68	83	76	66	66	77	85	88	90	94	82	72	74	66	67	68	78	80	85	90	78.9
	Minimum	38	40	42	42	47	53	54	34	47	56	58	35	39	51	54	40	42	43	51	52	53	63	52	42	47	37	49	52	53	50	51	46.7
Creston	Maximum	79	83	82	86	90	89	86	81	83	84	67	71	85	83	72	72	81	85	89	92	95	90	75	70	70	73	72	81	82	87	91	81.6
	Minimum	38	40	39	43	46	55	54	36	49	59	54	36	49	53	55	39	39	54	50	51	58	60	48	40	44	36	38	44	48	48	51	46.9
Elkins	Maximum	74	75	69	77	81	84	79	72	84	77	62	63	80	75	61	67	76	80	85	85	87	79	65	71	59	62	63	73	74	76	83	74.1
	Minimum	37	39	43	42	44	52	49	34	44	58	44	34	39	55	51	40	46	42	51	53	52	55	41	37	40	33	36	40	54	54	50	44.9
Fairmont	Maximum	86	84	79	88	92	93	85	83	87	85	73	69	89	79	63	72	84	91	95	97	100	83	78	75	72	74	72	83	77	88	95	82.9
	Minimum	45	45	46	47	57	54	59	38	48	54	57	38	41	62	53	40	39	49	56	58	60	59	49	44	38	39	42	44	55	52	54	49.1
Glenville	Maximum	81	83	83	85	89	90	90	83	89	89	58	73	86	85	77	71	80	87	90	93	95	95	76	75	71	73	74	84	85	88	92	82.9
	Minimum	40	48	40	44	46	55	54	38	49	58	47	37	41	53	51	41	42	45	50	54	54	62	52	41	48	37	40	45	52	49	52	47.3
Grafton	Maximum	82	83	73	84	86	87	84	80	85	81	67	68	81	78	72	68	76	83	85	91	94	88	73	70	67	70	68	83	81	87	90	79.5
	Minimum	40	43	45	43	48	53	53	36	40	64	56	36	48	58	52	36	43	44	53	54	54	55	49	41	48	38	40	43	53	52	53	47.5
Lost Creek	Maximum	82	82	79	82	85	89	86	80	86	81	82	78	82	80	69	68	80	87	88	91	94	87	75	74	67	70	70	79	79	87	89	80.9
	Minimum	37	38	40	41	45	49	33	35	36	40	49	34	38	53	53	39	40	50	51	51	57	60	48	39	45	33	35	39	51	46	49	43.7
Manningtou	Maximum	77	78	79	81	85	85	82	74	84	83	65	64	81	79	66	66	73	83	85	87	89	85	68	70	64	66	68	77	79	82	84	77.1
	Minimum	37	40	40	42	50	50	52	34	47	53	55	35	37	59	54	37	40	42	52	53	54	60	45	39	46	35	38	42	47	49	50	45.6
Morgantown	Maximum	75	78	79	85	85	85	79	69	80	83	62	79	81	79	61	66	73	82	88	89	92	90	69	58	71	71	78	80	83	82	85	78.0
	Minimum	47	53	49	49	49	48	61	36	37	35	54	42	47	56	53	38	50	51	51	51	60	59	41	33	33	35	35	41	41	44	44	45.9
New Cumberland*	Maximum	81	82	81	83	86	87	70	70	83	83	77	67	84	63	63	70	82	85	90	91	88	79	73	60	67	73	74	81	80	87	..	78.0
	Miuimum	41	44	44	46	56	56	60	37	50	60	51	37	45	56	54	34	38	47	51	58	57	62	43	42	41	40	43	43	49	45	54	47.9
New Martinsville	Maximum	82	85	82	88	90	88	84	80	87	85	67	68	85	80	64	74	80	89	90	93	94	85	74	72	70	73	73	83	81	88	90	81.4
	Minimum	43	45	45	46	52	55	57	38	51	59	57	40	40	60	55	40	40	47	54	55	57	61	59	42	45	40	43	47	51	56	54	49.5
Parkersburg	Maximum	78	80	80	84	85	88	81	77	87	85	65	66	84	77	62	68	79	86	89	91	93	80	71	72	66	69	69	77	78	84	88	78.8
	Minimum	49	50	50	53	56	61	57	46	58	61	52	44	45	58	49	43	44	52	57	58	62	61	51	46	44	46	50	52	58	62	59	52.7
Parsons	Maximum	80	78	77	68	84	87	81	75	86	80	65	68	83	74	65	69	80	84	89	89	92	83	82	74	76	64	66	78	76	80	89	78.1
	Minimum	42	37	38	45	44	56	51	33	43	52	48	33	40	51	53	40	41	41	51	52	51	55	50	38	37	37	40	44	53	53	52	45.2
Pickens	Maximum	76	78	70	77	83	85	79	74	82	76	67	70	80	76	61	67	82	80	85	85	91	81	75	74	55	62	64	75	79	84	83	76.0
	Minimum	47	39	38	40	45	51	52	35	45	55	32	40	41	49	50	40	42	43	49	51	49	57	45	34	36	31	36	35	50	50	52	43.9
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Miuimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wellsburg	Maximum	81	82	83	85	88	88	80	78	86	84	76	67	85	80	63	69	82	87	90	93	91	79	75	68	68	73	74	82	81	90	92	80.6
	Minimum	38	40	40	42	52	52	57	33	45	52	53	37	35	57	54	32	37	44	48	54	53	56	39	37	38	33	38	40	45	51	52	44.6
Weston	Maximum	80	82	80	81	88	90	89	87	89	86	82	72	86	84	80	68	82	86	91	92	95	92	82	76	74	69	72	80	82	89	90	83.1
	Minimum	48	42	43	44	47	55	56	38	49	60	59	36	41	56	54	46	45	46	53	54	55	54	57	42	46	37	42	44	56	52	54	48.7
Wheeling(Dam 12)	Maximum	80	81	81	84	88	87	77	77	84	82	64	64	84	60	64	68	79	87	88	91	91	78	77	64	67	71	79	80	78	92	92	78.7
	Miuimum	47	45	45	48	56	58	56	40	53	55	45	40	41	56	51	37	43	52	54	61	60	61	45	45	42	41	44	48	52	57	56	49.5
Southern Division																																	
Beckley	Maximum	73	77	73	78	83	82	83	78	81	78	67	70	80	81	71	69	72	83	86	86	88	77	70	75	60	67	67	72	74	76	82	76.1
	Minimum	42	40	38	46	45	56	56	39	47	56	52	35	44	52	53	45	43	44	48	51	52	56	55	37	42	30	40	37	53	52	49	46.3
Bluefield	Maximum	72	73	76	78	81	..	84	82	82	81	71	69	..	83	83	67	68	82	84	..	89	84	73	76	71	67	..	67	67	69	80	76.3
	Minimum	46	48	45	53	51	..	58	45	56	64	56	44	..	52	58	50	44	50	54	..	56	58	57	44	47	38	..	40	52	55	57	51.0
Charleston *	Maximum	86	83	85	86	92	90	89	81	91	91	74	77	89	84	68	72	83	88	92	96	97	84	77	79	70	71	75	80	82	87	92	83.6
	Minimum	47	46	44	46	52	54	59	56	46	56	60	43	45	51	59	48	48	49	54	57	61	61	56	44	47	43	44	41	49	57	55	50.9
Gary *	Maximum	74	78	78	80	85	85	84	81	86	82	71	73	82	83	74	71	75	83	87	89	90	84	76	78	65	71	70	72	75	75	83	78.6
	Minimum	39	43	42	50	46	53	55	45	46	55	57	42	43	49	57	55	48	48	52	54	53	58	58	50	44	38	40	44	53	54	54	49.2
Hinton *	Maximum	82	80	80	84	88	90	88	86	87	84	73	79	89	88	72	72	77	90	94	92	97	83	77	78	68	73	72	76	82	75	88	82.1
	Minimum	40	43	43	48	47	53	57	46	51	55	57	42	45	52	58	43	49	49	52	56	55	57	58	45	50	42	42	45	51	57	57	50.2
Huntington	Maximum	81	83	84	88	91	90	90	81	87	85	71	74	86	82	70	69	80	87	91	95	95	91	78	76	71	73	74	79	76	84	91	82.4
	Minimum	49	49	47	57	53	63	62	46	56	68	61	45	49	59	57	46	49	53	57	58	61	67	53	48	46	42	43	51	60	57	57	53 8
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Madison	Maximum	81	81	83	84	90	90	88	83	87	84	72	75	85	85	64	67	81	87	90	92	94	81	74	78	67	71	74	77	71	82	87	80.8
	Miuimum	44	42	48	47	58	58	42	50	55	54	41	44	52	60	51	50	50	53	55	56	47	54	43	49	39	41	45	53	55	52	56	49.8
Marlinton	Maximum	66	70	70	72	76	78	80	78	76	76	74	68	74	76	72	70	68	78	80	82	84	78	72	68	66	62	66	70	74	68	66	72.8
	Minimum	34	32	36	38	36	42	36	40	36	34	44	30	34	44	42	40	34	38	48	46	46	50	46	34	34	30	34	40	50	52	48	39.6
Point Pleasant	Maximum	80	82	81	87	88	86	83	80	85	84	68	70	85	81	75	70	80	87	90	93	93	90	75	72	68	72	72	79	77	87	92	81.0
	Minimum	44	45	43	48	48	58	55	41	52	60	58	41	43	55	53	40	41	48	52	53	57	60	49	43	42	38	40	45	55	55	54	48.9
Rainelle	Maximum	71	74	75	73	81	81	81	79	79	78	72	69	82	78	78	70	71	79	79	89	79	79	68	66	61	69	67	70	73	72	82	75.0
	Miuimum	33	32	33	38	37	49	48	35	41	50	50	32	40	38	55	44	48	37	41	45	45	51	51	33	43	31	34	35	37	51	47	41.4
Ravenswood	Maximum	80	82	83	86	89	88	90	85	88	87	76	69	85	83	78	78	80	85	90	95	95	94	76	74	68	72	72	80	81	83	91	82.7
	Minimum	46	45	42	44	51	60	56	40	51	61	61	40	44	56	56	42	40	48	54	53	58	62	48	43	44	38	41	47	55	54	54	49.5
Richwood	Maximum	72	77	77	78	82	84	82	82	82	82	79	69	82	76	74	69	73	83	85	87	88	88	89	72	63	65	68	75	76	77	82	78.0
	Minimum	39	39	37	41	41	50	51	36	45	55	52	55	42	46	55	44	49	40	45	48	50	52	55	37	44	42	35	38	51	52	50	45.7
Robertsburg*	Maximum	84	84	81	89	89	89	86	85	88	87	73	73	86	79	64	72	82	87	89	94	94	80	78	78	71	78	76	85	80	90	91	82.6
	Minimum	45	44	44	50	51	60	59	41	54	63	57	41	43	55	58	45	42	50	53	55	56	64	51	44	45	38	40	43	56	56	54	50.2
Ryan	Maximum	75	80	80	80	80	80	85	78	85	80	65	80	80	80	60	80	80	80	85	87	88	88	80	76	65	65	80	80	80	80	85	78.9
	Minimum	34	38	36	50	45	50	50	34	44	49	34	40	50	37	49	40	41	43	43	50	49	45	41	36	32	34	39	40	45	47	65	42.9
Spencer *	Maximum	80	80	84	85	90	89	86	80	88	83	67	70	84	71	80	69	78	86	89	91	93	79	73	74	68	70	71	78	79	86	89	80.3
	Minimum	46	45	42	46	50	60	61	40	53	63	59	39	43	56	59	44	43	48	54	60	56	63	52	43	47	38	40	48	53	51	54	50.2
Sutton	Maximum	80	77	78	83	87	87	85	85	75	80	80	70	83	83	74	65	75	85	88	90	93	93	88	72	65	68	70	77	78	85	87	80.3
	Minimum	40	42	40	44	45	55	36	39	48	52	54	38	42	31	56	44	43	42	50	53	52	64	54	46	48	38	40	45	49	50	51	46.2
Union	Maximum	73	75	75	81	86	..	89	87	84	89	74	73	..	85	87	70	69	84	89	..	94	91	83	72	70	66	..	69	69	73	78	79.1
	Minimum	39	40	38	46	43	..	58	39	49	62	56	38	..	46	56	50	47	41	48	..	51	56	54	41	48	37	..	39	56	56	53	47.7
White Sulphur Spgs*	Maximum	69	70	68	79	88	88	89	83	85	83	83	79	81	84	80	75	75	82	82	90	91	90	80	77	69	70	72	74	75	77	82	79.7
	Miuimum	51	45	50	54	57	63	57	53	65	54	54	50	66	58	54	47	47	46	46	65	67	61	48	50	46	47	46	51	59	62	57	54.1
Williamson*	Maximum	80	82	82	87	89	87	89	82	90	82	74	77	87	87	68	70	81	89	93	95	95	84	78	81	70	74	74	77	78	84	89	82.4
	Minimum	45	47	47	52	52	58	60	48	53	58	58	45	47	55	62	54	53	55	58	51	59	63	58	48	52	43	44	47	53	56	55	52.8

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 6-22-34—900)

1.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

JUL 31 1934

WEST VIRGINIA SECTION

40

R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., JUNE, 1934 No. 6

GENERAL SUMMARY

The past month, with an average temperature of 74.3°, was the warmest June of State record. The month was characterized by continued warm weather, the temperature being below the normal for only two or three days. The highest temperature occurred at most stations on the 29th, the readings were near or slightly above the June record. The rainfall was considerably below the normal, and was unevenly distributed, ranging in monthly amounts from 6.78 inches at Pickens to 1.36 inches at Martinsburg. The precipitation has been below the normal during five of the past six months, and the accumulated deficiency since January 1st was 5.49 inches. Severe local thunderstorms occurred in scattered districts on the 22d, accompanied by high winds and excessive rainfall, which did some damage to growing crops, shrubs and trees. The weather conditions were generally favorable for crop growth, although the drought was somewhat severe in scattered localities of the eastern counties. At the close of the month, wheat was ripening rapidly and harvest was in progress with fair to poor yield, while corn, truck crops, pastures and meadows were in fair to good condition, but were needing rain in some sections. Practically no damage from hail was reported.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 74.3° or 4.7° above the normal. The temperature was above the normal practically the entire month, with the warmest weather occurring generally on the 28th and 29th. A cool period prevailed from the 13th to the 15th, with near frost temperatures in some scattered districts. The highest monthly mean was 78.6° at Huntington, and the lowest, 66.2° at Alpena. The highest temperature was 106° at Martinsburg on the 29th, and the lowest, 41° at Bayard on the 13th, and Alpena and Richwood on the 15th, making the monthly range for the State 65°. The greatest daily range was 49° at Brownsville on the 1st.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 3.45 inches, which was 0.90 inches less than the normal. The precipitation was the heaviest over the mountain districts, and least in the eastern counties and extreme southern section. The greatest portion of the rainfall was received on the 6-7th, 10-13th, 18-19th, 23d, and 27-28th, the greatest amounts being measured on the 12th, 19th, and 23d. The greatest monthly precipitation was 6.78 at Pickens, and the least, 1.36 inches at Martinsburg. The greatest amount in any 24 consecutive hours was 2.50 inches at Benson on the 23d. The average number of days with .01 inch or more of precipitation was 9.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Cabell, 27th; Taylor, 12th; and Wood, 22d.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 1st, 2d, 7th, and 24th; Elkins, 23d and 24th; Hinton, 1st and 7th; New Cumberland, 28th; Stony River Dam, 18th and 19th.

Halo, lunar: Crawford, 21st.

Thunderstorms (dates and number of stations reporting): 1st, 1; 3d, 6; 4th, 4; 5th, 3; 6th, 5; 7th, 2; 8th, 2; 9th, 5; 10th, 1; 11th, 1; 12th, 10; 13th, 1; 17th, 1; 18th, 2; 21st, 2; 22d, 5; 23d, 8; 25th, 1; 26th, 1; 27th, 5; 29th, 4; 30th, 9.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio .	29.91	30.12	8	29.61	12	6.3	36	w.	22	72	50	56	75
Columbus, Ohio..	29.90	30.17	8	29.61	12	9.8	46	nw.	22	67	44	50	77
Elkins	29.94	30.20	8	29.61	18	5.5	29	nw.	22	82	58	70	63
Parkersburg	29.96	30.19	8	29.67	12	5.8	43	nw.	22	75	52	58	70
Pittsburgh, Pa ...	29.90	30.23	8	29.58	12	8.8	43	nw.	22	74	61	59	82
Wytheville, Va...	29.92	30.21	8	29.61	18	5.9	21	s.	29	76	54	65	60

COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891........	71.2	+1.6	.....	.....	5.02	+0.67	......	......	......	....	....	....	....
1892........	74.1	+4.5	99	41	3.90	−0.45	......	......	......	....	....	....	....
1893........	70.2	+0.6	99	40	3.81	−0.54	6.41	1.83	......	10	13	10	7
1894........	70.4	+0.8	103	32	3.27	−1.08	6.78	1.25	......	8	16	10	4
1895........	72.1	+2.5	102	38	2.92	−1.43	5.66	1.20	......	7	15	10	5
1896........	69.8	+0.2	95	30	5.35	+1.00	9.86	**0.11**	......	10	8	14	8
1897........	69.3	−0.3	96	35	4.31	−0.04	6.77	1.31	......	10	12	12	6
1898........	70.9	+1.3	99	41	3.21	−1 14	7.50	0.66	......	10	14	11	5
1899........	72.0	+2.4	98	35	4.99	+0.64	8.93	1.46	......	11	14	9	7
1900........	71.2	+1.6	98	41	5.30	+0.95	15.62	2.49	......	13	9	12	9
1901........	70.7	+1.1	104	32	5.67	+1.32	11.10	1.37	......	13	12	12	6
1902........	68.0	−1.6	100	33	5.19	+0.84	8.49	2.45	......	12	11	13	6
1903........	65.1	−4.5	93	34	4.80	+0.45	12.30	2.01	......	13	8	11	11
1904........	69.5	−0.1	97	36	4.20	−0.15	8.29	2.05	......	13	10	13	7
1905........	70.6	+1.0	100	34	4.38	+0.03	7.72	1.47	......	11	13	11	6
1906........	70.9	+1.3	101	38	5.25	+0.90	9.32	2.84	......	14	11	12	7
1907........	65.3	−4.3	97	33	6.00	+1.65	11.95	1.93	......	14	10	11	9
1908........	69.2	−0.4	98	36	3.12	−1.23	6.75	1.35	......	9	15	10	5
1909........	71.1	+1.5	101	35	5.75	+1.40	9.19	2.47	......	16	9	13	8
1910........	66.6	−3.0	96	32	5.67	+1.32	11.27	1.52	......	13	10	10	10
1911........	70.7	+1.1	101	40	4.44	+0.09	9.34	1.88	......	11	14	10	6
1912........	67.3	−2.3	95	29	4.27	−0.08	9.21	1.11	......	11	13	10	7
1913........	69.5	−0.1	99	29	3.44	−0 91	6.55	0.86	......	9	18	8	4
1914........	72.0	+2.4	100	30	3.00	−1 35	6.60	0.62	......	8	15	11	4
1915........	67.7	−1.9	95	33	3.63	−0.72	7.09	1.21	......	9	15	8	7
1916........	65.8	−3.8	94	35	5.42	+1.07	14.54	2.50	......	12	14	8	8
1917........	67.7	−1.9	99	31	3.81	−0.54	6.58	1.38	......	12	14	9	7
1918........	68.2	−1.4	99	34	4.17	−0.18	10.11	0.87	......	8	16	7	7
1919........	73.0	+3.4	100	40	5.06	+0.71	10.15	1.67	......	10	16	8	6
1920........	67.9	−1.7	98	36	5.01	+0.66	9.70	2.53	......	12	13	7	10
1921........	72.4	+2.8	101	38	4.01	−0.34	8.67	0.47	......	9	15	9	6
1922........	70.7	+1.1	97	33	4.66	+0.31	7.95	1.75	......	11	12	9	9
1923........	70.2	+0.6	102	35	4.54	+0.19	10.37	1.25	......	11	16	7	7
1924........	68.7	−0.9	98	32	4.67	+0.32	7.63	1.90	......	13	13	8	9
1925........	72.2	+2.6	**109**	35	3.51	−0.84	8.06	1.05	......	9	16	8	6
1926........	65.9	−3.7	95	31	3.85	−0.50	9.18	0.90	......	11	13	8	9
1927........	65.7	−3.9	99	29	4.08	−0.27	9.93	2.10	......	11	12	8	10
1928........	66.7	−2.9	96	33	**7.37**	+3.02	11.69	1.55	......	19	7	9	14
1929........	68.2	−1.4	100	28	3.50	−0.85	8.92	1.56	......	8	16	9	5
1930........	68.9	−0.7	105	**27**	2.87	−1.48	6.42	0.95	......	7	17	8	5
1931........	69.8	+0.2	105	33	3.24	−1.11	7.18	1.12	......	9	16	9	5
1932........	70.1	+0.5	99	29	4.46	+0.11	9.01	1.73	......	11	14	8	8
1933........	71.4	+1.8	104	28	**2.75**	−1.60	7.08	0.52	......	7	18	9	3
1934........	**74.3**	+4.7	106	41	3.45	−0.90	6.78	1.36	......	9	17	8	5
Period.....	69.6	......	109	27	4.35	....	15.62	0.11	......	11	13	10	7

Climatological Data for June, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	67.4	+3.9	91	29	41	13	43	3.64	−1.81	0.85	0	9	27	2	1	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	72.4	+5.4	99	29	44	15	46	1.95	−1.42	0.90	0	7	23	0	7	s.	Elmer Keister
Circleville	Pendleton	...	2	...	...	...	...	...	...	...	3.49	...	1.10	0	10	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	...	...	...	...	...	...	...	2.22	−1.43	1.55	0	4	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	4	^{a}76.2	...	103^{a}	29	53^{a}	8†	37^{a}	3.10	...	1.66	0	8	17	10	3	se.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}77.4	+6.4	106^{a}	29	54	14†	39^{a}	1.36	−2.71	1.15	0	5	26	3	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	73.3	+2.5	103	29	44	14	46	3.55	−0.22	1.38	0	7	8	10	12	w.	John W. McNeill
Piedmont	Mineral	1,053	21	72.6	+4.5	97	28†	50	13	37	3.73	+0.21	1.41	0	5	20	5	5	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	74.6	+4.7	101	29	47	14	43	3.92	−0.05	1.80	0	8	11	12	7	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	...	...	...	...	...	...	...	3.81	−0.21	1.80	0	8	11	7	12	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	^{f}72.5	+5.1	98^{e}	29	45^{f}	14	43^{f}	2.77	−0.74	0.68	0	7	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	72.4	+6.9	100	29	45	14	42	1.73	−1.27	1.20	0	7	20	5	5	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	...	...	...	...	...	...	...	3.79	−0.57	1.63	0	8	13	14	3	w.	L. Else Boud
Alma (near)	Tyler	800	7	...	...	...	...	...	...	...	3.88	...	1.51	0	8	21	6	3	...	D. N. Furbee
Alpena	Randolph	2,571	4	66.2	...	88	28	41	15	42	3.95	...	0.71	0	11	16	11	3	w.	Christian Hertig
Benson	Harrison	1,080	10	73.0	+4.8	96	29	45	14	42	5.24	+0.93	2.50	0	8	16	12	2	...	R. D. Marts
Bens Run	Pleasants	652	32	78.5	+7.7	99	28	56	13†	37	5.78	+1.51	2.25	0	11	19	8	3	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	74.2	+4.7	95	28	43	1	49	3.95	−0.36	1.34	0	8	14	13	3	...	W. B. Worley
Bruceton Mills	Preston	1,549	17	...	...	...	...	...	...	...	1.87	−3.22	0.68	0	5	13	14	3	sw.	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	73.2	+4.8	91	28†	50	14	33	4.12	−0.87	1.80	0	7	18	11	1	...	H. A. Darnall
Cairo	Ritchie	680	33	74.5	+4.2	97	29	49	13†	39	3.66	−1.33	1.10	0	8	18	5	7	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	74.8	+5.4	96	28†	50	13†	41	3.12	−1.15	1.39	0	8	13	16	1	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	...	...	...	...	...	...	...	5.03	+0.26	1.54	0	12	17	12	1	sw.	George W. Blair
Creston	Wirt	640	32	75.3	+4.6	99	28	49	13†	43	3.34	−0.97	0.86	0	8	16	6	8	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	...	...	...	...	...	...	...	2.85	−1.49	1.23	0	6	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	18	...	...	...	...	...	...	...	3.53	+0.03	1.04	0	7	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	...	...	...	...	...	...	...	2.71	−1.28	0.92	0	7	...	...	...	...	Lockmaster
Davis	Tucker	3,093	25	...	...	...	...	...	...	...	3.70	−1.57	0.90	0	8	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	...	...	...	...	...	...	...	4.90	+0.74	1.25	0	11	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	33	70.4	+3.5	90	29	48	14	35	4.71	−0.35	1.14	0	13	8	15	7	w.	U. S. Weather Bureau
Fairmont	Marion	883	28	77.8	+7.5	102	29	52	14	42	3.17	−1.19	0.90	0	11	18	9	3	w.	J. C. Robinson
Glenville	Gilmer	738	40	77.0	+5.9	99	28†	52	13	39	4.58	+0.11	0.93	0	12	21	5	4	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	75.0	+5.9	97	28	50	13†	37	3.16	−1.26	0.75	0	9	17	0	13	...	W. E. Clayton
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	4.48	+0.18	1.25	0	9	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	9	...	...	...	...	...	...	...	3.54	−1.52	0.79	0	10	22	4	4	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	74.6	+5.1	95	28†	50	14	37	3.97	−0.10	1.90	0	7	22	5	3	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	74.4	+6.8	98	28	48	14†	42	4.30	−0.05	2.02	0	8	15	7	8	w.	Allen Smith
Mannington	Marion	985	31	72.2	+4.4	91	28†	49	13†	34	3.96	−0.14	1.20	0	7	18	9	3	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	36	75.4	+7.2	99	29	49	14	38	2.36	−2.19	0.76	0	7	12	13	5	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	77.1	+6.0	100	28	52	13	41	3.12	−0.96	1.35	0	6	22	6	2	s.	Wm. Ankrom
Parkersburg	Wood	638	47	77.2	+5.8	98	29	54	14	34	3.72	−0.28	1.62	0	9	12	13	5	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	73.2	+6.3	96	28†	50	13†	41	1.88	−3.11	0.70	0	7	17	7	6	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	...	...	...	...	...	...	...	4.06	−0.93	0.78	0	11	23	3	4	...	Robert T. Deem
Philippi	Barbour	1,550	37	...	...	...	...	...	...	...	2.92	−1.77	0.99	0	9	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	31	^{a}69.4	+4.5	92^{a}	29†	45^{a}	13†	39^{a}	6.78	+0.61	1.28	0	12	21	6	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	4.89	+0.58	1.75	0	9	20	6	4	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	25	...	...	...	...	...	...	...	4.02	−0.02	1.54	0	10	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Walter Steen
Thomas	Tucker	2,950	5	...	...	...	...	...	...	...	4.25	...	1.11	0	7	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	11	75.0	+5.4	95	28†	49	14	39	4.16	+0.41	1.90	0	6	18	9	3	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	...	...	...	...	...	...	...	4.52	+0.71	1.42	0	9	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	27	75.2	+7.2	99	29	44	14	46	3.93	−0.43	1.25	0	9	20	7	3	w.	George P. Pfister
West Milford	Harrison	979	9	...	...	...	...	...	...	...	4.22	−0.05	1.60	0	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	77.2	+6.8	100	29	52	13†	40	4.03	−0.62	1.50	0	10	6	21	3	...	A. Henry
Wheeling (Dam 12)	Ohio	659	47	76.2	+5.6	97	29	52	14	36	3.85	+0.06	1.00	0	7	17	8	5	...	Lockmaster
Woodlands	Marshall	637	7	...	...	...	...	...	...	...	3.04	...	1.04	0	11	13	7	10	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	...	...	...	...	...	...	...	2.83	...	1.09	0	9	21	3	6	w.	H. S. Sutton
Bancroft	Putnam	574	30	76.4	+5.7	96	28†	52	11	38	2.16	−2.18	0.97	0	5	20	6	4	w.	Charles N. Long
Beckley	Raleigh	2,440	31	70.0	+0.1	93	26†	43	14	40	2.33	−2.02	0.68	0	10	14	14	2	...	L. A. Mauck
Bluefield ^{d}	Mercer	2,558	39	72.6	+1.5	94	26	49	14	34	2.01	−2.40	1.12	0	10	8	15	3	...	Norfolk & Western Ry.
Charleston (Dam 6 G. K.)	Kanawha	600	31	^{a}77.4	+4.3	102^{a}	28	51	16†	46	3.32	−1.02	0.99	0	10	...	...	...	...	Lockmaster
Clay	Clay	706	18	...	...	...	...	...	...	...	3.53	−0.87	0.99	0	10	...	...	...	...	Chilton Wilson
Dam 19 O. R.	Wood	600	18	...	...	...	...	...	...	...	4.05	+0.15	1.40	0	8	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	18	...	...	...	...	...	...	...	3.88	+0.01	1.35	0	12	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	7	...	...	...	...	...	...	...	3.37	...	1.36	0	8	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	18	...	...	...	...	...	...	...	3.73	+0.24	1.62	0	8	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	...	...	...	...	...	...	...	4.77	...	1.54	0	10	...	...	...	...	Mrs. D. R. Gandinees
Gary	Mc Dowell	1,426	18	73.1	+3.8	95	26†	50	14	37	3.53	−1.24	0.96	0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	76.6	+6.1	100	29†	53	14	41	2.85	−1.39	1.06	0	10	18	9	3	...	Mrs. M. L. McClung
Huntington	Cabell	538	37	78.6	+5.7	102	28	56	13†	37	2.83	−1.27	1.39	0	10	8	20	2	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	...	...	...	...	...	...	...	2.34	−1.74	0.63	0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	18	...	...	...	...	...	...	...	2.74	−2.78	0.83	0	9	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	...	...	...	...	...	...	...	1.50	...	0.60	0	4	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	74.2	+7.0	99	29	45	18	40	2.02	−1.96	1.09	0	5	25	2	3	...	Rose Argabrite
Logan	Logan	700	31	...	...	...	...	...	...	...	3.26	−1 72	0.87	0	11	...	...	...	...	J. R. Wampler
Madison	Boone	675	13	75.0	+2.7	96	29	53	13	34	4.11	−0.05	0.97	0	11	21	5	4	...	W. E. Holy
Marlinton ^{1}††	Pocahontas	2,131	35	64.6	+0.3	84	16	44	16	40	...	...	...	0	...	7	9	2	...	Miss Virginia Crocket
Point Pleasant	Mason	595	41	76.0	+3.6	98	28	50	13†	40	4.51	+0.43	1.90	0	10	20	7	3	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	67.8	...	92	28	42	14	44	3.28	...	1.09	0	9	21	3	6	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	77.0	+6.5	98	16†	50	13	43	2.79	−1.03	1.16	0	10	23	4	3	se.	Lockmaster
Richwood	Nicholas	2,193	4	70.6	...	96	30	41	15	45	3.21	...	1.32	0	11	19	4	7	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	77.0	+5.8	99	28†	51	13†	43	1.94	−1.87	0.63	0	9	19	0	11	...	M. Frazier
Ryan	Roane	700	31	71.9	+3.1	95	26†	45	14†	40	2.95	−1.51	1.09	0	7	21	5	4	...	Wm E. Ryan
Sharples	Logan	889	14	...	...	...	...	...	...	...	3.17	−1.41	0.83	0	6	...	...	...	...	R. W. Howard
Spencer	Roane	789	30	76.0	+6.3	98	26†	51	13	41	2.62	−1.76	0.82	0	8	16	13	1	...	A. M. McKown
Summersville	Nicholas	1,894	1	...	...	...	...	...	...	...	2.47	...	0.73	0	9	...	...	...	...	Carl Perry
Sutton	Braxton	850	28	75.2	+4.1	98	26†	50	14	40	3.95	−1.19	0.80	0	10	20	0	10	...	C. B. Eakle
Union ^{d}	Monroe	2,250	30	72.3	+4.5	96	29†	45	14	38	1.40	−2.48	0.65	0	5	20	3	3	...	C. B. King
Wayne	Wayne	598	7	...	...	...	...	...	...	...	3.92	...	1.20	0	8	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	75.2	+7.2	97	28	57	1	37	2.50	−1.21	1.25	0	8	26	3	1	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	76.6	+5.0	101	28	57	14	35	4.66	+0.13	0.80	0	13	10	17	3	sw.	J. E. Dotson
State averages and	extremes	...	...	74.3	+4.7	106	29	41	13†	49	3.45	−0.90	2.50	0	9	17	8	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for June, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac					.20	.04		.52	.09	.63					.40	.85	.21				.70											3.64
Brandywine	do						.15			.35	.05		.05					.25	.90					.20									1.95
Circleville	do						.07	.32			.54	.09	.23	.14					.53	1.10				.40					.07				3.49
Harpers Ferry ||||	do							.21						.31						1.55				.15									2.22
Kearneysville	do					T	.41	.42		.25	T.		.14						.51	1.15				.05							.17		3.10
Martinsburg ||||	do							.05				.02		.12						1.15				.02									1.36
McNeill	do					1.38	T.		T.	.29	.30		.10					T.	.70	.50				.28							T.		3.55
Piedmont	do						T.			.61			.38						.96	1.41				.37									3.73
Romney||||	do					.34	.05			.56	.05		.19						.78	1.80				.15									3.92
Stony River Dam	do						.13	.25			.56	.24		.30					.16	1.80				.37									3.81
Upper Tract	do						.45			.19				.12				.68	.65	.58				.10									2.77
Wardensville||||	do								.01		.10	.32	.01	.04					T.	1.20			.05										1.73
Northern Division																																	
Aberdeen	Monongahela					.18	.10			.34	T.	T.	.94						.34	.18				1.63				.08	T.				3.79
Alma (near)	Ohio									.46		.11	.36						1.00	.08				1.51				.35			.01		3.88
Alpena	Monongahela					.23	.71	.03		.48	.30	.05	.06						.64	.70				.50					.05				3.95
Benson	do					.50	.10			.18			.85						.68	.25				2.50					.18				5.24
Bens Run	Ohio				.08	.07				.16	.04	.03	.13						1.13				.60	2.25				.98			.31		5.78
Brownsville	Monongahela			T.	T.		.07			.26		.25	1.17						.53	.13				1.34				.20					3.95
Bruceton Mills	do					T.	T.		T.	.50	T.		.53							.01				.68			T.				.15		1.87
Buckhannon	do			T.	.15	T.	.32			.40	T.	.22	.69						.54					1.80				T.			T		4.12
Cairo	Little Kanawha									.39	.01	.07	.80						.47	.60				1.10				.22					3.66
Clarksburg||||	Monongahela					.23				T.	.08		.35	.34						.67				1.39	.02				.04				3.12
Crawford||||	do			.20		.27	.23			.51	.02	.12	.73						.52	.17				1.54				.38			.34		5.03
Creston||||	Little Kanawha										.06	.34	.70	.30						.86				.70				.30	.08				3.34
Dam 10, Mon. R.||||	Monongahela					.17						.42		.40						1.23				.54							.09		2.85
Dam 13, O. R.||||	Ohio				.12					.08	.45									1.04				.70				.46			.68		3.53
Dam 15, Mon. R.||||	Monongahela				T.	.04					.25		.05	.73					T.	.92				.67					T.		.05		2.71
Davis ||||	do						.60	.75		.20	.40	.25		.20				T.	T.	.90				.40					T				3.70
Elizabeth(D'm 3 LK)	Little Kanawha				.07		.06				.42	.52	1.23						.02	1.23				.53				.32	.08		.42		4.90
Elkins***	Monongahela				T.	.09	.20	.01		.59	.26	.07	.30						.94	.06			.70	.44				1.02			.03		4.71
Fairmont||||	do			.09	.05	.03			.08	.21			.89						.90				.71					.13		.02	.06		3.17
Glenville ||||	Little Kanawha				.14		.09			.02	.73	.61	.54	.16					.03	.90				.85				.03	.48				4.58
Grafton ||||	Monongahela			.18	T.	.22				.14	.05		.60						.66				.75					T.	.45		.11		3.16
Horner	do			.20			.40			.23		.15	1.60						.40			.35		1.25				.50					4.48
Horton	do					.18	.69			.58	.08	.26	.21					.08	.79	.24				.43									3.54
Janelew (near)	do					.15	.20			.35			.70						.52					1.90				.15					3.97
Lost Creek	do					.04	T.			.30			.83						.76					2.02				.03	.10		.22		4.30
Mannington	do					.20				.31			.71						1.10	.06				1.20							.38		3.96
Morgantown	do																																
New Cumberland||||	Ohio										.11									.76			.02	.55				.62	.02		.28		2.36
New Martinsville	do									.42									1.35	.05				1.15				.05			.10		3.12
Parkersburg***	do				.06	.14				.39	.01								.92	.01			1.57	.05				.57		T.			3.72
Parsons	Monongahela						.25				.15							.07			.65			.70				.05			.01		1.88
Parsons No. 2	do						.66	.11		.62	.39	.05	.58						.38	.40				.70					.04		.13		4.06
Philippi	do					.08	.12			.03	.47		.45	.13						.60				.99					.05				2.92
Pickens	do			.20			.69		.20	1.28	.10	.76	.60						.86	.32				1.24				.18			.35		6.78
Roanoke	do				T.	.14	.40			.47		.20	.75						.54	.24				1.75				.40					4.89
Saint Marys||||	Ohio				.33		.14			.10	.35								.02	1.30				1.54				.16	.05		.03		4.02
Terra Alta	Monongahela																																
Thomas ||||	do						.66	.43			.78			.65						1.11				.49					.13				4.25
Valley Chapel	do						.45			.31			.69						.66	.15				1.90									4.16
Vandalia	do			.37			.23			.47		.17	.76						.51					1.42				.25			.34		4.52
Wellsburg	Ohio						.06			.15	T.								.50	.15		T.	1.25	.50			.90	.22			.20		3.93
West Milford	Monongahela				.15					.35									.68	.05			.28	1.60				.27	.10	.42	.32		4.22
Weston	do			T.			.12		.03	.22	.14	1.10	.04						.04	.68				1.50				T.	.16				4.03
Wheeling(Dam 12)||||	Ohio				T.					T.	.35	.07								.78			.06	1.00				.78	T		.81		3.85
Woodlands||||	do			.01			.10	.02		.15	.51									1.04			.02	.66				.35	.13		.05		3.04
Southern Division																																	
Arbovale	Great Kanawha			.10			.53			.07		.04	.25						1.09					.43				.01			.31		2.83
Bancroft ||||	do						.19							.10						.61				.29					.97				2.16
Beckley	do	.08			T.	T.	.15			.26	.06	.12	.06						.66	.17				.68				T.	.09				2.33
Bluefield	do				.04	.03	.06	.02		.22			.15						1.12	.02				.02					.33				2.01
Charleston(Dam 6)||||	do			.08			.19				.05		.75	.14					.02	.68	.28			.14					.99				3.32
Clay||||	do						.48	.01			.18	.28	.97	.02					.03	.61				.60					.35				3.53
Dam 19 O. R. ||||	Ohio				T.	T.	.15			.25	.23	.19	T.						T.	1.18				1.40				.43	.22				4.05
Dam 20 O. R. ||||	do					.20	.32			.12	.32	.08	.08	.05					.04	1.35				.90				.26	.16				3.88
Dam 25 O. R. ||||	do									.13	.50		.06						.03	1.36				.23				.12	.94				3.37
Dam 26 O. R. ||||	do									.10	.28			.08					.13	1.62				.20				.07	1.25				3.73
Durbin	Great Kanawha						.85	.65			.64	.29	.05	.02					.06	1.48				.70					.03				4.77
Gary ||||	Big Sandy	.08				.28	.17	.96			.30	.01	.23	.03					.25	.96	.01			.09					.10				3.53
Hinton||||	do	.40						.78		.02	.24	.01	.03	T.					.06	1.06				.23					.02				2.85
Huntington	Ohio	T.			.03	T.	.06	T.		.28	.66		.09						1.39					.17				.03	.08		.04		2.83
Kanawha Falls||||	Great Kanawha						.20	T.			.22	T.	.28	.25					T.	.38				.63					.38				2.34
Kayford||||	do						.83	.03			.17		.30						.01	.45	.12			.40					.43				2.74
Kingston	do										.10				.40					.40						.60							1.50
Lewisburg	do					.04		.33		.36									1.09												.20		2.02
Logan||||	Guyandotte		.02		T.	.08	.22	.08			.32		.39	.15					.40	.87	T.			.68					.05				3.26
Madison	Great Kanawha			.22	.97		.02			.90	T.	.72						.45	.35				.31	T.				.09	.04		.04		4.11
Marlinton	do															T.	1.04																
Point Pleasant||||	Ohio						.12	T.		.15	.26	.04	.10						.04	1.44				.46				.24	1.66				4.51
Rainelle	Meadow Creek	.70			T.		.46			.10		.01	.01						1.09	.19				.61				.11					3.28
Ravenswood(Dam 22	Ohio||||						.02	.21		.03	.10	T.		.14					.02	1.16				.60				.11	.40				2.79
Richwood	Great Kanawha	.35				.08	1.32			.06		.33	.15	.01				.03		.10				.63				.15					3.21
Robertsburg||||	do									.03	.37		.07	.07					.10	.63				.09				.11	.47				1.94
Ryan	do					.05				.62	.03								1.09				.55					.59			.02		2.95
Sharples||||	Coal River							.62			.15		.65						.62	.30				.83							T.		3.17
Spencer ||||	Great Kanawha								T.	.37	T.	.71	.05						.04	.82				.26				.10	.27				2.62
Summersville	do				.09		.25	.06			.33		.28	.21						.73				.34					.18				2.47
Sutton	Gauley					.10	.10			.25	.10	.40	.55						.55	.70	.80							.40					3.95
Union	do						.23			.17			.10						.65					.25									1.40
Wayne ||||	Big Sandy						.38			.09	.47		1.20						.31	.86				.48						.13			3.92
White Sulpr. Spgs.||||	Great Kanawha						.30	.10			.25		.10	.05					.10	1.25				.35									2.50
Williamson||||	Big Sandy		.01			.02	.26	.41		.04	.53	.53	.80						.50	.52				.45	.12				T	.47			4.66

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
larksburg	Evaporation	.254	.146	.278	.211	.278	.187	.151	.287	.242	.088	.233	.477	.193	.211	.234	.243	.253	.250	.026	.324	.252	.301	.354	.160	.234	.289	.300	.097	.298	.258	....	7.109
	Wind movement	25	19	25	18	26	21	51	40	30	29	89	60	53	57	31	28	23	26	69	88	40	53	71	26	29	29	46	26	38	50	....	1,216

For full description of station and equipment, see Climatological Data for June, 1923, page 21

Daily Temperatures for June, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum ...	82	85	85	86	80	78	79	75	78	77	72	76	82	86	86	70	75	82	82	85	80	85	84	89	80	90	85	90	91	88	....	82.1
	Miuimum....	46	47	52	50	50	53	52	48	65	52	47	44	41	43	48	60	58	60	54	58	49	49	58	48	54	61	55	62	58	59	....	52.7
Brandywine	Maximum ...	85	87	88	89	88	87	88	80	82	86	84	82	80	85	88	92	90	76	81	90	92	95	87	93	93	96	85	96	99	96	....	88.0
	Minimum....	51	52	53	54	55	56	58	60	62	61	56	55	48	46	44	52	54	65	62	66	68	64	55	60	59	54	60	62	59	50	....	56.7
Kearneysville	Maximum ...	86	86	87	87	87	90	84	78	..	86	88	82	79	83	89	94	89	78	83	91	94	94	92	91	92	91	92	96	103	98	....	88.6
	Minimum....	56	59	63	63	64	66	67	53	59	66	75	63	58	55	53	57	75	64	67	63	66	69	67	61	..	66	68	66	72	73	....	63.9
Martinsburg*	Maximum ...	89	90	92	90	89	92	86	70	87	90	90	85	78	86	92	98	89	75	87	95	100	100	92	95	95	95	93	100	106	..	....	90.6
	Minimum....	58	60	68	64	65	66	68	55	58	65	70	63	61	54	54	59	64	66	63	64	66	71	67	64	68	62	68	68	70	75	....	64.1
McNeill	Maximum ...	89	92	94	90	90	84	87	81	81	85	87	82	78	85	89	94	91	78	83	92	94	95	89	95	92	96	89	99	103	97	....	89.3
	Minimum....	50	51	58	58	59	59	61	56	61	60	62	58	48	44	46	48	55	67	65	55	55	60	64	64	52	52	60	63	60	67	....	57.3
Piedmont	Maximum ...	87	88	91	91	86	86	86	73	75	84	82	77	76	80	84	90	90	67	80	88	90	90	85	89	89	89	85	97	97	93	....	85.5
	Minimum....	56	56	60	60	60	62	68	57	55	63	62	59	50	51	51	53	59	59	64	59	61	65	64	59	64	58	56	66	66	71	....	59.8
Romney	Maximum ...	89	91	93	92	91	86	87	81	78	85	85	81	78	83	89	94	91	84	83	91	93	94	90	93	92	93	89	97	101	98	....	89.1
	Minimum....	54	56	58	59	59	61	65	52	56	63	69	58	50	47	49	51	58	65	67	62	59	65	65	61	64	69	62	65	64	69	....	60.1
Upper Tract	Maximum ...	83	..	84	82	83	83	83	..	..	..	81	81	74	82	88	92	92	..	81	90	92	92	87	92	92	95	87	96	98	95	....	87.4
	Minimum....	52	..	53	59	60	61	61		..	..	56	59	49	45	47	49	54	..	64	60	56	..	64	57	65	54	62	64	65	67	....	57.6
Wardensville*	Maximum ...	84	86	89	85	85	85	84	84	81	83	84	81	74	81	85	91	88	79	85	91	91	87	88	91	88	89	96	97	100	96	....	86.9
	Minimum....	50	53	56	58	57	57	59	52	59	58	63	58	48	45	48	49	55	64	65	59	60	63	58	68	60	64	63	69	62	60	....	58.0
Northern Division																																	
Alpena	Maximum ...	80	84	83	84	78	74	79	74	71	75	74	70	66	73	79	84	81	74	72	74	83	83	79	83	83	87	78	88	87	85	....	78.9
	Minimum....	46	46	52	51	50	55	60	54	57	61	61	57	48	43	41	42	48	59	57	60	50	56	57	53	56	48	55	60	55	63	....	53.4
Bens Run	Maximum ...	90	96	95	95	93	87	90	95	83	87	88	83	80	88	92	98	96	78	88	93	93	94	95	94	96	97	88	99	98	91	....	91.3
	Minimum....	64	65	65	69	67	68	65	63	69	67	67	67	56	56	59	61	65	68	65	67	67	68	65	65	67	63	68	69	74	73	....	65.7
Buckhannon	Maximum ...	89	88	88	88	87	83	83	87	82	83	87	79	76	78	82	85	90	80	80	85	86	88	86	87	88	89	82	91	91	89	....	85.2
	Minimum....	58	56	57	60	60	63	69	62	61	68	65	62	58	50	52	52	57	67	64	61	60	64	64	60	64	56	62	67	67	70	....	61.2
Cairo	Maximum ...	89	90	93	93	92	88	85	90	91	83	82	84	80	81	87	88	93	87	81	87	90	91	91	91	91	94	94	92	97	95	....	89.0
	Minimum....	57	56	57	61	59	63	69	57	67	65	65	64	49	49	49	51	57	56	63	58	58	63	63	62	62	55	65	63	69	68	....	60.0
Clarksburg *	Maximum ...	89	94	94	93	90	86	86	92	80	85	84	79	75	82	89	93	95	77	83	94	90	91	85	89	89	95	86	96	96	89	....	88.2
	Minimum....	57	55	61	59	60	63	70	63	65	68	66	64	50	50	51	52	57	70	65	64	59	67	64	62	63	56	64	66	67	68	....	61.5
Creston	Maximum ...	88	93	95	94	86	88	88	89	86	84	86	82	81	84	89	95	93	89	86	91	93	92	90	92	90	98	95	99	98	95	....	90.3
	Minimum....	54	56	56	60	58	65	67	57	68	66	65	63	49	49	51	52	55	66	64	58	58	65	63	61	63	55	65	63	68	66	....	60.3
Elkins	Maximum ...	84	86	88	85	81	79	80	81	75	79	79	73	69	76	82	85	88	73	77	83	86	87	80	86	85	90	82	90	90	87	....	82.2
	Minimum....	53	53	57	57	56	60	65	62	63	66	64	58	52	48	49	50	54	63	62	62	56	62	61	58	60	54	61	67	63	66	....	58.7
Fairmout	Maximum ...	92	97	97	99	91	92	89	94	85	89	88	82	78	87	93	96	96	78	86	94	96	96	88	93	94	100	91	100	102	92	....	91.8
	Minimum....	63	60	65	63	64	65	69	65	65	68	65	65	53	52	54	56	61	72	65	63	64	69	65	63	66	58	66	68	70	70	....	63.7
Glenville	Maximum ...	85	95	95	95	94	87	90	93	90	85	88	82	81	84	90	93	95	93	86	91	93	94	91	95	93	98	97	99	99	97	....	91.6
	Minimum....	55	59	58	63	60	64	69	62	68	68	66	64	52	53	55	55	59	68	66	60	61	65	64	64	65	59	66	65	69	69	....	62.4
Grafton	Maximum ...	93	92	92	91	88	85	86	91	80	85	85	80	78	83	88	91	93	89	85	90	91	93	86	91	91	95	89	97	96	92	....	88.9
	Minimum....	59	57	61	60	60	62	68	63	60	66	68	63	50	50	52	54	59	67	65	58	60	65	65	61	63	58	64	67	67	65	....	61.2
Lost Creek	Maximum ...	90	93	93	94	90	87	89	90	82	86	85	80	79	84	89	92	94	89	83	89	90	92	88	90	91	94	85	98	95	94	....	89.2
	Minimum....	53	52	60	58	58	60	69	61	62	68	65	62	49	48	48	50	54	65	60	60	58	66	62	60	61	55	64	64	65	67	....	59.5
Maunington	Maximum ...	85	87	88	88	85	82	82	87	82	83	81	79	74	78	82	86	88	81	81	85	87	87	80	86	85	88	82	91	91	89	....	84.3
	Minimum....	58	55	58	61	61	62	65	59	64	68	63	60	49	49	50	52	57	65	63	57	59	64	64	60	62	55	63	66	66	67	....	60.1
Morgantown	Maximum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Cumberland*	Maximum ...	93	94	95	93	91	91	85	89	85	88	83	82	76	82	89	93	92	77	85	92	93	89	89	93	86	93	85	97	99	90	....	89.0
	Minimum....	64	65	68	67	66	68	58	54	62	69	57	59	56	49	51	56	57	70	61	57	61	63	65	66	62	56	61	67	70	70	....	61.8
New Martinsville	Maximum ...	92	95	94	96	90	90	89	94	86	86	88	85	81	87	91	96	95	84	87	92	92	92	91	94	92	95	90	100	99	92	....	91.2
	Minimum....	60	62	61	66	65	65	63	60	68	68	66	61	52	53	54	55	61	67	64	60	63	67	65	64	67	59	67	68	71	69	....	63.0
Parkersburg	Maximum ...	87	91	92	92	85	86	85	91	85	84	85	82	77	84	89	93	93	78	85	91	91	92	87	92	90	95	89	98	98	90	....	88.6
	Minimum....	64	67	68	68	67	71	64	63	69	67	69	66	58	54	57	59	64	68	65	67	68	63	65	67	69	64	68	68	76	73	....	65.9
Parsons	Maximum ...	89	93	92	90	90	82	85	80	83	85	76	73	80	88	91	93	80	81	90	91	89	89	90	91	90	95	87	96	96	90	....	87.5
	Minimum....	54	55	57	56	58	60	65	60	58	65	60	51	50	50	50	55	65	64	57	60	60	62	60	60	60	55	61	67	64	66	....	58.8
Pickens	Maximum ...	90	87	89	85	85	79	81	85	83	79	77	70	69	78	81	86	77	76	75	84	..	88	79	88	88	90	78	91	92	92	....	82.8
	Miuimum....	51	54	55	54	55	58	58	54	68	64	58	60	45	45	46	48	52	60	56	54	..	55	60	59	58	51	62	60	60	61	....	55.9
Terra Alta	Maximum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wellsburg	Maximum ...	97	97	96	96	95	92	82	94	84	90	88	85	77	87	92	96	96	89	87	94	94	91	89	95	94	95	86	98	99	92	....	91.6
	Minimum....	60	61	59	60	62	62	57	50	68	68	55	54	46	44	46	51	57	68	60	54	63	62	65	60	60	55	55	67	68	67	....	58.8
Weston	Maximum ...	93	95	93	96	95	89	89	95	93	86	85	84	88	90	92	93	95	94	82	92	95	94	92	94	95	97	95	99	100	98	....	92.6
	Minimum....	58	56	62	60	60	64	70	60	67	70	65	62	52	52	54	53	56	69	58	61	62	66	62	62	64	59	65	66	70	72	....	61.9
Wheeling(Dam 12)	Maximum ...	92	91	89	91	91	88	84	91	83	85	84	88	77	88	89	95	95	78	85	89	92	91	86	86	88	94	87	96	97	91	....	88.7
	Minimum....	65	68	65	67	67	69	60	58	67	68	59	62	55	52	53	59	62	70	62	60	65	65	61	63	65	60	66	73	73	70	....	63.6
Southern Division																																	
Beckley	Maximum ...	85	82	88	79	83	78	83	81	78	81	82	77	74	80	86	88	89	73	77	86	87	88	84	86	90	93	82	93	91	89	....	83.8
	Minimum....	51	53	53	56	56	61	57	59	60	63	60	61	49	43	47	50	49	64	60	54	54	57	60	57	56	53	60	64	60	63	....	56.3
Bluefield	Maximum ...	82	79	..	84	77	80	84	83	75	..	81	81	75	81	86	88	..	88	76	85	87	87	86	..	92	94	91	90	91	89	....	84.3
	Minimum....	56	59	..	59	61	63	62	64	62	..	64	64	56	49	52	55	..	60	63	59	59	62	64	..	61	61	68	69	65	66	....	60.9
Charleston *	Maximum ...	91	94	92	90	90	88	90	95	89	87	89	85	80	85	93	97	92	79	87	93	96	96	94	93	95	99	99	102	100	..	....	91.7
	Minimum....	54	54	62	62	64	66	67	63	65	67	62	65	63	54	52	51	51	73	69	63	62	68	69	69	66	60	67	68	70	70	....	63.2
Gary *	Maximum ...	87	84	87	82	80	78	85	81	81	82	83	78	75	81	86	89	92	76	79	88	89	88	86	88	91	95	92	93	95	90	....	85.4
	Minimum....	58	56	57	58	60	62	63	61	63	65	63	64	58	50	53	54	58	69	67	56	59	60	66	64	61	58	64	67	66	65	....	60.8
Hinton *	Maximum ...	89	89	92	86	85	82	90	86	86	86	87	82	81	88	95	96	91	77	85	92	96	95	95	94	98	99	91	100	100	97	....	90.3
	Minimum....	61	59	64	61	61	63	63	66	76	72	64	65	55	53	54	56	59	67	59	58	61	63	65	66	64	62	65	67	68	68	....	62.8
Huntington	Maximum ...	83	93	94	93	86	88	89	96	92	87	88	83	81	87	90	95	94	90	87	92	92	92	92	94	96	98	95	102	100	94	....	91.4
	Minimum....	59	62	62	67	65	70	67	63	69	66	69	67	56	56	59	58	65	71	68	63	64	69	68	70	68	63	73	70	74	73	....	65.8
Lewisburg	Maximum ...	87	88	85	85	86	85	87	89	90	84	86	85	87	85	89	86	95	85	82	87	89	91	94	93	93	96	87	96	99	95	....	88.9
	Minimum....	62	61	59	61	59	56	61	52	60	63	62	64	51	58	54	59	73	45	51	62	61	67	60	56	57	56	63	65	60	67	....	59.5
Madison	Maximum ...	90	91	91	87	85	81	87	90	83	84	86	80	78	83	88	91	90	77	83	90	92	92	88	92	93	95	91	95	96	89	....	87.9
	Minimum....	59	57	63	60	64	63	62	68	66	65	63	55	53	54	55	59	65	66	57	60	64	65	66	65	59	65	65	66	66	68	....	62.1
Marlinton	Maximum ...	78	76	80	78	78	80	82	74	72	76	78	72	72	78	74	84	80	74	..	..	..	..	..	..	..	..	..	..	..	..	....	76.9
	Minimum....	50	50	52	56	56	52	58	50	52	60	58	56	54	46	50	44	50	46	..	..	..	..	..	..	..	..	..	..	..	..	....	52.2
Point Pleasant	Maximum ...	85	94	95	92	86	88	88	94	91	85	88	84	80	85	91	94	91	89	85	90	91	91	90	90	93	94	91	98	97	93	....	99.1
	Minimum....	56	58	60	63	61	66	64	59	65	63	63	66	50	50	52	54	59	67	65	59	61	63	63	65	63	67	65	66	71	69	....	61.8
Rainelle	Maximum ...	78	81	78	79	80	78	83	79	70	75	82	79	69	78	86	89	82	76	73	84	76	87	82	85	89	91	85	92	91	84	....	81.4
	Minimum....	51	51	50	51	54	56	56	60	62	58	60	57	46	42	44	45	45	64	61	53	50	53	60	56	51	51	57	61	57	60	....	54.1
Ravenswood	Maximum ...	93	91	93	94	95	88	87	92	92	85	86	87	83	85	90	98	92	91	84	88	90	92	90	92	94	95	95	97	98	98	....	91.2
	Minimum....	57	61	62	65	63	68	67	59	68	61	66	67	50	51	53	55	60	69	67	59	62	65	60	65	64	57	67	66	73	77	....	62.8
Richwood	Maximum ...	85	86	87	85	84	81	83	82	84	80	81	82	76	78	86	87	85	88	82	84	88	89	89	87	89	93	90	93	94	96	....	85.8
	Minimum....	52	54	52	55	57	56	57	61	63	64	62	58	50	44	41	49	51	50	60	51	53	56	62	55	56	53	60	62	59	62	....	55.5
Robertsburg*	Maximum ...	89	94	96	94	90	91	90	96	88	86	87	84	79	89	93	97	95	75	85	94	93	93	91	94	95	97	98	99	99	91	....	91.4
	Minimum. ...	55	60	59	62	61	67	65	59	68	65	66	66	51	51	54	54	62	70	68	60	61	66	65	61	66	67	69	61	71	70	....	62.7
Ryan	Maximum ...	85	88	87	88	89	82	88	90	90	80	85	80	75	85	85	88	89	75	80	85	89	88	88	90	92	95	80	95	95	90	....	86.5
	Minimum....	55	51	55	56	55	50	59	60	62	62	60	60	46	45	45	50	56	65	62	55	61	60	61	60	60	60	62	60	62	63	....	57.3
Spencer *	Maximum ...	87	92	94	94	88	83	90	81	85	88	82	84	80	85	88	93	94	73	85	90	91	92	89	92	92	98	88	98	98	92	....	88.9
	Minimum....	57	62	63	62	63	67	69	68	67	66	64	53	51	54	55	60	58	71	67	62	62	65	66	63	64	57	69	66	73	70	....	63.1
Sutton	Maximum ...	91	91	91	91	91	84	86	90	90	85	86	82	83	86	82	85	91	94	82	90	90	91	91	90	90	95	98	94	97	97	....	90.0
	Minimum....	56	56	59	60	61	62	66	61	65	58	64	63	53	50	52	58	56	68	65	58	59	61	64	62	63	58	61	64	62	69	....	60.5
Union	Maximum ...	80	83	..	78	80	73	85	85	75	..	83	83	76	82	89	90	..	72	81	87	89	90	90	..	95	95	95	95	96	96	....	85.5
	Minimum....	53	55	..	55	59	61	65	66	64	..	64	62	54	45	51	52	..	56	65	60	57	58	63	..	58	57	64	65	60	67	....	59.1
White Sulphur Spgs*	Maximum ...	85	86	87	86	82	83	88	81	85	89	90	82	83	84	86	90	91	82	84	89	90	91	90	90	95	94	89	97	96	95	....	88.0
	Minimum....	57	63	62	62	65	64	66	63	61	69	69	58	59	61	60	63	64	64	62	63	60	59	64	60	58	59	64	63	64	70	....	62.5
Williamson*	Maximum ...	93	91	93	86	82	86	90	92	85	83	86	85	80	89	91	95	91	79	85	93	96	93	89	94	96	97	97	101	97	92	....	90.2
	Minimum....	59	62	60	63	66	66	67	66	68	68	67	66	61	57	59	60	64	70	68	61	68	66	68	65	68	63	63	71	69	68	....	64.9

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., JULY, 1934 NO. 7

GENERAL SUMMARY

July was abnormally warm, being the warmest July of State record. With the exception of three or four days, the temperatures were continuously above the normal, and the highest readings were generally above previous July records. Maximum temperatures of 100° or above were recorded at practically all stations on from three to five days. This is the third consecutive month with abnormally high temperatures. The rainfall averaged practically normal and was unevenly distributed, there were a few areas having more than twice the July average, while others had less than one-half of the normal. On July 26th, high winds attending a thunderstorm, caused some damage to buildings and trees in the vicinity of Vienna, a small village about six miles north of Parkersburg. At the close of the month, wheat and oats were harvested, many fields of early potatoes marketed, and haying completed. Corn was in fair to good condition and mostly laid by; early planted was generally in roasting ear stage, but was injured somewhat by heat and drought.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 77.5° or 4.4° above the normal. The temperatures were nearly continuously above the normal, with the highest readings occurring generally on the 21st and 25th. Moderately cool weather prevailed on the 8th, 18th, and 31st, the lowest temperatures being noted on the 18th. The highest monthly mean was 82.0° at Huntington, and the lowest, 70.1° at Alpena. The highest temperature was 107° at Martinsburg on the 25th, and the lowest was 40° at Bayard on the 18th, making the monthly range for the State 67°. The greatest daily range was 52° at Wheeling.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 4.56 inches, which was 0.01 inch less than the normal. Most of the precipitation was recorded on the 7-8th, 11-14th, 22-23d, and 28-30th, the greatest amounts occurring generally on the 11th and 28th. The precipitation was the greatest in the central and extreme southern counties, and the least in scattered localities of the northeastern districts. The greatest monthly precipitation was 12.96 inches at Kayford, and the least, 1.96 inches at Upper Tract. The greatest amount in any 24 consecutive hours was 4.08 inches at Mannington on the 11-12th. The average number of days with .01 inch or more of precipitation was 10.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Hardy, 22d; Monongalia, 23d; Raleigh, 11th; Randolph, 21st; and Wood, 22d.

MODERATE HAIL

Moderately heavy hail fell in and near Williamson, Mingo County, on the 26th. Practically no damage resulted.

HEAVY HAIL

Heavy hail fell at White Sulphur Springs, Greenbrier County, on the 21st and 27th. No estimate of damage could be obtained, but was confined mostly to crops. Heavy hail fell at Martinsburg, Berkeley County, on the 28th. Size of hailstones varied, a few being as large as a small marble. Damage was confined mostly to crops.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d, 3d, 6th, and 25th; Hinton, 3d, 14th, 21st, and 25th; New Cumberland, 30th; Williamson, 3d.

Halo, lunar: Elkins, 24th.

Thunderstorms (dates and number of stations reporting): 1st, 5; 3d, 1; 4th, 2; 5th, 1; 10th, 10; 11th, 13; 12th, 7; 13th, 4; 14th, 3; 15th, 1; 16th, 4; 19th, 1; 20th, 3; 21st, 7; 22d, 10; 23d, 1; 24th, 1; 25th, 9; 26th, 8; 27th, 9; 28th, 12; 30th, 1; 31st, 6.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.96	30.26	9	29.74	13	6.1	21	sw.	26	73	45	52	78
Columbus, Ohio	29.96	30.26	9	29.75	14	8.6	51	nw.	3	72	47	53	71
Elkins	29.98	30.32	9	29.75	14	4.4	23	w.	7	85	55	72	59
Parkersburg	30.00	30.31	9	29.79	14	5.2	26	nw.	30	79	54	65	70
Pittsburgh, Pa	29.97	30.30	9	29.76	14	8.0	38	nw.	3	76	56	57	78
Wytheville, Va	29.96	30.22	9	29.74	13	5.7	21	n.	26	81	55	74	52

COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	67.5	−5.6	.....	.....	5.59	+1.02	.....	.....	.....	...	...	...	...
1892	73.4	+0.3	98	41	4.20	−0.37	.....	.....	.....	9	...	...	...
1893	73.8	+0.7	98	42	2.96	−1.61	5.95	1.37	.....	9	20	10	1
1894	73 3	+0.2	100	36	2.21	−2.36	4.84	0.50	.....	7	10	19	2
1895	70 5	−2.6	99	39	4.35	−0.22	7.04	1.65	.....	9	11	13	7
1896	73.3	+0.2	97	46	9.07	+4.50	15.70	2.91	.....	14	9	12	10
1897	74.2	+1.1	102	46	5.43	+0.86	9.92	2.85	.....	13	11	12	8
1898	75.0	+1.9	103	40	4 46	−0.11	8.33	1 53	.....	13	12	7	12
1899	73.3	+0.2	100	33	3.78	−0.79	7.92	0.20	.....	9	14	10	7
1900	74.7	+1.6	104	41	4.38	−0.19	7.88	1.72	.....	13	15	11	5
1901	77.4	+4.3	104	47	3.16	−1.41	6.21	0.69	.....	9	14	12	5
1902	74.2	+1.1	104	45	3.54	−1.03	8.42	0.96	.....	8	14	12	5
1903	72.5	−0.6	100	37	3.74	−0.83	8.30	1.82	.....	10	16	10	5
1904	71.5	−1.6	97	42	3.28	−1.29	6.00	1.04	.....	10	14	12	5
1905	73.3	+0.2	98	43	5.92	+1.35	10.64	3.00	.....	14	12	11	8
1906	72 4	−0.7	98	45	4.54	−0.03	7.40	1.50	.....	12	12	11	8
1907	72.7	−0.4	98	42	6.66	+2.09	13.36	1.99	.....	13	12	14	5
1908	74.0	+0.9	100	41	5.21	+0.64	9.43	2.08	.....	11	14	13	4
1909	70.2	−2.9	96	36	4.17	−0.40	10.50	0.60	..	11	14	11	6
1910	73.8	+0.7	98	41	4.92	+0.35	13.16	0.54	.....	11	13	12	6
1911	73.3	+0.2	106	40	2.82	−1.75	6.94	0.40	.....	5	16	12	3
1912	72.0	−1.1	100	45	7.48	+2.91	15 22	2.67	.....	13	12	12	7
1913	74.2	+1.1	103	40	5.80	+1.23	10.07	2.14	.....	12	15	12	4
1914	73.1	0.0	106	38	4.11	−0.46	7.74	0.98	.....	7	16	10	5
1915	71.9	−1.2	99	38	4 63	+0.06	11.31	1.82	.....	13	12	11	8
1916	74.8	+1.7	102	42	3.49	−1.08	9.47	1.06	.....	9	16	8	7
1917	72.6	−0.5	104	44	4.83	+0.26	8 27	1.25	.....	12	14	10	7
1918	70.3	−2.8	101	38	3.18	−1.39	6.90	1.04	.....	8	17	7	7
1919	74.3	+1.2	104	41	5.51	+0.94	13.08	1.96	.....	10	18	7	6
1920	70.1	−3.0	99	40	4.84	+0.27	8.94	2.34	.....	10	16	8	7
1921	75.6	+2.5	101	44	3.58	−0.99	8.90	1.08	.....	9	16	10	5
1922	72.9	−0.2	99	43	4.53	−0.04	8.05	1.33	.....	11	15	8	8
1923	71.7	−1.4	100	37	4.70	+0.13	9.46	2.22	.....	10	16	8	7
1924	70.0	−3 1	99	36	4.49	−0.08	7.63	1.65	...	11	16	9	6
1925	72.2	−0.9	102	31	5.05	+0.48	7.84	1.08	.....	11	13	11	7
1926	72.6	−0.5	107	37	4.45	−0.12	8.07	0.83	...	10	15	8	8
1927	72.3	−0.8	100	36	5.09	+0.52	12.40	1.65	.....	10	15	9	7
1928	73.5	+0.4	102	35	4.23	−0.34	8.97	1.10	.....	11	15	10	6
1929	72.7	−0.4	104	32	4.09	−0.48	10.61	0.80	.....	10	15	10	6
1930	74.9	+1.8	109	34	1.90	−2.67	7.02	0.06	.....	6	21	7	3
1931	76 8	+3.7	108	42	4.78	+0.21	10.74	0.93	.....	10	17	9	5
1932	73.1	0.0	102	40	6.02	+1.45	15.56	1.02	.....	12	17	8	6
1933	72.6	−0.5	104	36	5.21	+0.64	8.52	1.94	.....	10	15	9	7
1934	77.5	+4.4	107	40	4.56	−0.01	12.96	1.96	.....	10	16	9	6
Period	73.1	.....	109	31	4.57	.....	15.70	0.06	.....	10	14	11	6

Climatological Data for July, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	70.7	+3.1	95	26	40	18	48	6.52	+1.65	1.87	0	12	22	6	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	77.0	+5.7	102	21	50	2†	41	3.35	−0.03	1.35	0	10	25	0	6	n.	Elmer Keister
Circleville	Pendleton	...	2	...	...	...	...	...	...	...	2.13	...	0.81	0	8	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	...	...	...	...	...	...	...	2.90	−0.53	1.50	0	7	...	...	...	...	J. C. Newcomer
Kearneysville	Jefferson	548	4	79.2	...	105	25	55	18	37	3.35	...	2.24	0	7	15	12	4	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}81.1	+5.4	107^{a}	25	57	18	40^{a}	4.36	+0.73	2.90	0	9	24	6	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	77.6	+3.0	105	21	47	18	51	4.10	+0.81	1.13	0	10	6	10	15	w.	John W. McNeill
Piedmont	Mineral	1,053	21	76.2	+3.9	101	21	51	18	40	3.53	+0.19	1.40	0	11	17	8	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	78.8	+3.9	104	26	49	18	45	3.01	−0.47	1.20	0	9	10	14	7	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	...	...	...	...	...	...	...	3.72	−0.42	0.83	0	10	6	13	12	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	78.4	+6.7	103	26	49	18	45	1.96	−1.46	0.52	0	6	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	76.6	+6.0	101	21	49	18	43	5.27	+2.17	2.05	0	11	15	11	5	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	...	...	...	...	...	...	...	4.57	−0.22	1.96	0	9	14	14	3	w.	L. Else Bond
Alma (near)	Tyler	800	7	...	...	...	...	...	...	...	3.03	...	0.75	0	10	16	10	5	...	D. N. Furbee
Alpena	Randolph	2,571	4	70.1	...	93	21	43	18†	42	6.94	...	3.85	0	13	15	14	2	...	Christian Hertig
Benson	Harrison	1,080	10	75.8	+3.3	101	21	47	19	48	2.27	−2.88	0.71	0	8	12	18	1	...	R. D. Marts
Bens Run	Pleasants	652	32	81.2	+6.1	106	21	60	18	38	2.97	−1.55	0.93	0	11	19	11	1	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	78.0	+4.2	102	21†	50	18†	46	4.99	+0.19	2.85	0	12	11	16	4	...	W. B. Worley
Bruceton Mills	Preston	1,549	17	...	...	...	...	...	...	...	...	...	...	0	...	...	...	...	...	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	76.5	+4.7	97	26	54	18†	36	5.54	+0.38	2.00	0	8	18	11	2	...	H. A. Darnall
Cairo	Ritchie	680	33	77.5	+3.2	105	22	50	19	43	2.75	−1.82	0.96	0	11	17	9	5	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	77.5	+3.7	102	26	52	18†	43	3.59	−0.49	1.20	0	14	16	12	3	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	...	...	...	...	...	...	...	3.67	−1.47	1.78	0	11	19	9	3	sw.	George W. Blair
Creston	Wirt	640	32	78.1	+3.4	104	21†	50	18†	48	7.21	+3.01	1.85	0	14	12	4	15	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	...	...	...	...	...	...	...	3.50	−0.58	0.98	0	9	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	18	...	...	...	...	...	...	...	6.10	+1.99	2.50	0	12	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	...	...	...	...	...	...	...	5.08	+1.15	1.90	0	13	...	...	...	...	Lockmaster
Davis	Tucker	3,093	25	...	...	...	...	...	...	...	7.89	+2.67	1.35	0	11	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	...	...	...	...	...	...	...	4.34	−0.34	1.03	0	13	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	33	74.1	+3.8	96	26	51	18	38	2.97	−2.41	0.81	0	12	9	12	10	nw.	U. S. Weather Bureau
Fairmont	Marion	883	28	80.3	+6.0	105	25†	55	18	43	4.80	+0.34	2.46	0	13	18	8	5	w.	J. C. Robinson
Glenville	Gilmer	738	40	79.3	+4.0	105	26	58	21†	44	5.38	+0.14	1.58	0	11	21	2	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	77.7	+5.1	103	25	52	18	41	5.51	+0.75	1.60	0	11	16	1	14	...	W. E. Clayton
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	4.87	+0.07	2.47	0	7	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	9	...	...	...	...	...	...	...	4.88	+0.49	2.15	0	9	21	5	5	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	77.7	+3.7	102	26	51	18	42	5.20	+0.26	2.30	0	7	19	7	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	77.0	+4.8	103	25	49	18†	47	3.50	−1.16	1.35	0	8	19	6	6	w.	Allen Smith
Mannington	Marion	985	31	75.0	+3.2	96	21†	52	18	34	6.51	+1.90	4.08	0	10	15	11	5	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	78.3	+4.8	102	21	52	17†	43	4.26	−0.51	1.88	0	8	20	10	1	sw.	Bruce Davis
New Cumberland	Hancock	671	36	^{a}77.2	+4.2	101^{a}	24	52	18	44^{a}	3.40	−0.68	1.35	0	10	10	13	8	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	79.6	+4.4	106	21	54	19	45	3.35	−1.34	1.42	0	5	19	9	3	s.	Wm. Ankrom
Parkersburg	Wood	638	47	79.6	+4.2	103	21	58	19	37	2.93	−1.36	1.07	0	11	10	16	5	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	76.4	+5.6	102	26	52	19	41	4.25	−0.84	1.40	0	8	12	13	6	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	...	...	...	...	...	...	...	4.64	−0.45	1.60	0	16	20	7	4	...	Robert T. Deem
Philippi	Barbour	1,550	37	...	...	...	...	...	...	...	4.39	−0.65	1.22	0	10	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	31	^{a}72.4	+3.8	96^{a}	26	49^{a}	18†	41^{a}	3.44	−2.95	0.84	0	11	17	11	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	4.71	−0.18	1.80	0	8	22	4	5	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	25	...	...	...	...	...	...	...	4.26	−0.01	1.43	0	13	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	33	72.6	+4.4	92	24†	48	18	37	...	...	...	0	...	15	8	8	...	Guy Hein
Thomas	Tucker	2,950	5	...	...	...	...	...	...	...	9.20	...	2.55	0	11	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	11	78.3	+4.3	102	26	52	18	41	4.87	−0.06	2.15	0	9	16	11	4	sw.	J. C. Campbell
Vandalia	Lewis	1,120	11	...	...	...	...	...	...	...	3.66	−2.36	1.93	0	7	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	27	76.8	+4.6	106	22	48	18	52	2.72	−1.57	0.75	0	5	22	5	4	...	George P. Pfister
West Milford	Harrison	979	9	...	...	...	...	...	...	...	3.32	−1.33	1.25	0	5	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	80.6	+6.2	105	25	52	18	45	5.11	+0.16	2.50	0	13	1	29	1	...	A. Henry
Wheeling (Dam 12)	Ohio	659	47	78.8	+4.0	102	21†	56	18	39	2.46	−2.00	1.24	0	9	15	15	1	...	Lockmaster
Woodlands	Marshall	637	7	...	...	...	...	...	...	...	3.37	...	1.75	0	10	16	8	7	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	...	...	...	...	...	...	...	2.10	...	0.68	0	8	19	5	7	w.	H. S. Sutton
Bancroft	Putnam	574	30	79.0	+4.3	103	21	58	19	37	5.38	+1.02	1.60	0	11	8	5	18	w.	Charles N. Long
Beckley	Raleigh	2,440	31	73.6	...	94	5†	54	13†	38	8.87	+4.34	2.78	0	15	9	18	4	...	L. A. Mauck
Bluefield ^{f}	Mercer	2,558	39	76.4	+4.8	94	23†	59	18	31	3.36	−1.12	0.88	0	10	5	19	1	...	Norfolk & Western Ry.
Charleston (Dam 6 G. K.)	Kanawha	600	31	81.4	+4.5	106	22†	59	19	40	5.12	+0.65	2.22	0	10	8	3	20	...	Lockmaster
Clay	Clay	706	18	...	...	...	...	...	...	...	6.28	+1.16	2.83	0	12	...	...	...	...	Chilton Wilson
Dam 19 O. R.	Wood	600	18	...	...	...	...	...	...	...	3.91	−0.21	1.28	0	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	18	...	...	...	...	...	...	...	4.38	+0.58	1.50	0	11	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	7	...	...	...	...	...	...	...	4.88	...	2.00	0	9	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	18	...	...	...	...	...	...	...	2.94	−0.99	1.11	0	10	...	...	...	...	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	...	...	...	...	...	...	...	2.32	...	0.48	0	13	...	...	...	...	Mrs. E. Phyllis Percival
Gary	McDowell	1,426	18	77.3	+4.2	96	26	61	19	31	3.60	−0.35	0.73	0	16	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	80.2	+5.8	102	5†	63	5†	39	5.13	+1.14	2.31	0	13	22	5	4	...	Mrs. M. L. McClung
Huntington	Cabell	538	37	82.0	+5.4	104	21†	61	19	37	3.90	−0.41	1.01	0	12	11	14	6	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	...	...	...	...	...	...	...	3.65	−1.21	0.68	0	11	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	18	...	...	...	...	...	...	...	12.96	+8.10	3.90	0	12	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	...	...	...	...	...	...	...	2.15	...	0.75	0	6	...	...	...	...	Claud J. Wriston
Lewisburg	Greenbrier	2,250	34	^{d}78.3	+7.3	102^{d}	21†	55	19	41^{d}	3.45	−0.39	1.32	0	5	25	2	4	...	Rose Argabrite
Logan	Logan	700	31	...	...	...	...	...	...	...	5.40	+0.26	1.59	0	10	...	...	...	...	J. R. Wampler
Madison	Boone	675	13	78.6	+3.8	100	25†	58	18	34	6.97	+1.64	2.33	0	10	21	1	9	...	W. E. Holy
Marlinton††	Pocahontas	2,131	35	72.9	+5.3	90	21	58	8	32	...	...	...	0	...	8	21	2	sw.	Miss Virginia Crocket
Point Pleasant	Mason	595	41	79.2	+2.8	106	21	56	18†	42	5.52	+1.30	1.84	0	11	18	9	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	72.4	...	96	21†	48	19	43	3.48	...	1.12	0	14	21	0	10	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	80.6	+5.5	105	21†	54	19	45	5.08	+0.89	1.82	0	13	6	17	8	sw.	Lockmaster
Richwood	Nicholas	2,193	4	73.2	...	98	26	45	31	52	4.15	...	1.57	0	14	16	4	11	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	80.6	+5.1	105	21	54	19	45	5.05	+1.27	1.47	0	13	24	0	7	...	M. Frazier
Ryan	Roane	700	31	75.0	+1.9	100	25†	58	2†	38	3.66	−1.06	0.95	0	11	18	8	5	...	Wm. E. Ryan
Sharples	Logan	889	14	...	...	...	...	...	...	...	5.60	+0.51	1.52	0	5	...	...	...	...	R. W. Howard
Spencer	Roane	789	30	79.4	+5.8	105	25	54	19	43	4.96	+0.71	1.49	0	13	17	12	2	...	A. M. McKown
Summersville	Nicholas	1,894	1	...	...	...	...	...	...	...	8.20	...	2.49	0	13	...	...	...	...	Carl Perry
Sutton	Braxton	850	28	78.8	+4.0	102	25†	52	19	39	7.85	+2.15	2.40	0	10	21	0	10	...	C. B. Eakle
Union ^{e}	Monroe	2,250	30	76.0	+4.4	96	21	58	3†	34	4.87	+0.98	2.05	0	7	23	2	1	...	C. B. King
Wayne	Wayne	598	7	...	...	...	...	...	...	...	4.92	...	1.23	0	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	77.5	+5.9	99	21	58	1	35	5.15	+1.33	2.70	0	7	28	3	0	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	81.4	+5.3	102	21	63	19	32	3.77	−0.69	1.46	0	13	12	14	5	ne.	J. E. Dotson
State averages and	extremes	...	...	77.5	+4.4	107	25	40	18	48	4.56	−0.01	4.08	0	10	16	9	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for July, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	.04						.50	.12			1.40	.30	1.30	.15						.52	.07		.05					1.87	.20			6.52
Brandywine	do						.85		.20	.05			.30	.20	.25							.10						.40	.95	.05			3.35
Circleville	do	.10	T.					.23	T.	.13			.44	.19	T.								.12				T.		.81	.11			2.13
Harpers Ferry ‖‖	do	.09			T.				1.50	T.					.28								.01	T.			.22		.76	.04			2.90
Kearneysville	do						T.	.05	.18				T.		.58						T.	.04				.18		.08	2.24	T.		T.	3.35
Martinsburg ‖‖	do	.10						.01	.41					.10	.60								.21				.01		2.90			.02	4.36
McNeill	do						T.	.24	.50			.50	T.	.50	.11						.04	T.	.45			T.		.37	.26	1.13			4.10
Piedmont	do							.09	.19		T.	.28	.22	.10	.48						.16			.48				.09	1.40		.04		3.53
Romney‖‖	do							.45	.19			.11	.05	.01	.45									1.20					.34	.21			3.01
Stony River Dam	do								.47	.05			.83	.54	.22						.44	.10							.69	.16	.22		3.72
Upper Tract	do								.10			.21	.49		.52							.29							.35				1.96
Wardensville ‖‖	do	.04							1.04	.03			.03	.06	.26						.03	T.	.40	2.05						T.	.86	.47	5.27
Northern Division																																	
Aberdeen	Monongahela	.09							.67		.04	1.12	.15	.02			T.									T.			1.96	.03		.49	4.57
Alma (near)	Ohio							.40	.01			.75	.07				.07						.50	.37		.33			.16			.37	3.03
Alpena	Monongahela	.29						.67	.08			.90		3.85	.26						.15	.11	.06			.03		T.	.45	.06		.03	6.94
Benson	do	.02							.71	.05		.16		.20									.03						.60			.50	2.27
Bens Run	Ohio	.02			.04			.66	.07		.06	.29					.07						.93			T.	T.	.06	.48			.29	2.97
Brownsville	Monongahela	.33							.39	.02		.21	.06	.16	.05											.13	.18		2.85	.03		.58	4.99
Bruceton Mills	do																																
Buckhannon	do	.23						.35	.45		T.	1.35	T.		.15											T.			2.00	.65		.36	5.54
Cairo	Little Kanawha	.07			.13				.22			.22	.10	.04									.32			.05		.11	.96			.53	2.75
Clarksburg‖‖	Monongahela	.23			.02				.24	.02		.14	1.20	.06	.11		.02							.14					.88	.02	.02	.49	3.59
Crawford‖‖	do	.18						.32	.14		.44	.21	.03				T.						.10			.03			1.78	.05		.39	3.67
Creston‖‖	Little Kanawha	.55	.15		.05				.47	.05		.13	.05	.35									.08	.38				1.57	1.08	.45		1.85	7.21
Dam 10, Mon. R.‖‖	Monongahela	.49							.21				.77								.22	.04		.40					.98	.08		.31	3.50
Dam 13, O. R.‖‖	Ohio				.12		.50		.60			.43	.85	.03			.02				.40			.10			.50		2.50			.05	6.10
Dam 15, Mon. R.‖‖	Monongahela	.26			.01				.17			.86	.65		.28							.14		.04			33		1.90	.03	.02	.39	5.08
Davis ‖‖	do	.10	T.						.80	.30			1.35	1.25	.65						.84		.90						.90	.50	.30		7.89
Elizabeth (D'm 3 LK)	Little Kanawha		.15		.02				.38	.05		.53	.27	.45			.01							.60				.74	.05	.06		1.03	4.34
Elkins***	Monongahela	.07					T.	.49	.01		T.	.51	.19	.18	.37						T.					.01		.63	.18	.08		.25	2.97
Fairmont‖‖	do			.10				.25	.01		1.07					.02				.30		.02	.10			.02		2.46	.03	.02	.40		4.80
Glenville ‖‖	Little Kanawha	1.05	.14						.35	.03		T.	.53	.22										.03				.10	1.58	.10		1.25	5.38
Grafton ‖‖	Monongahela	.47			.24			.25	T			.40			.86						.25		.03					1.60	.83	.32	.26		5.51
Horner	do	.07							.75		.09	.89												.10					2.47			.50	4.87
Horton	do	.17						.50	.16			.71		2.15	.62													.34	.17	.06			4.88
Janelew (near)	do	.35							40			1.35	.20													.10			2.30			.50	5.20
Lost Creek	do	.12						.18	T.			.65	.39	T.	T.		T.									T.		.42	1.35	.07		.32	3.50
Mannington	do				T.			.34	.01		T.	4.07	.01	T.	.17		T.				.15		.03	.30					.93			.50	6.51
Morgantown	do	.10		T.				.10				.40					T				.50		.50	.50		T			1.88	T.		.28	4.26
New Cumberland‖‖	Ohio						.18	.05	1.14			1.02	.33	.10	.03						.29		T.						.02			.24	3.40
New Martinsville	do							.50				.38											.65						1.42			.40	3.35
Parkersburg***	do	T.		.01				.32	.10		.23	.09	.10			.12							1.07				.02	.30	T.		.57		2.93
Parsons	Monongahela						T.	.45	.10		T.	.45	.30	.55							.30	T.	T		T.			1.40		.70			4.25
Parsons No. 2	do	.01			.05			.19	.47		.05	.38		.37	.39						.31		16	.02		.02		.20	1.40	.55		.07	4.64
Philippi	do	.41							.74				1 08	.02	.08												.50		1.22	.14	.02	.18	4.39
Pickens	do	.24						.31	.20		.25	.84	.20									.40						.29	.51	.05		.15	3.44
Roanoke	do	.54							.80			.57		.24													.20		1.80	.05		.51	4.71
Saint Marys‖‖	Ohio	.03			.02				.70	.15		.02	.58				.08						.07	1.43		.45		.02	.11			.60	4.26
Terra Alta	Monongahela																																
Thomas ‖‖	do								1.03				2.44	2.55	.37						.36		.22	.05					1.45	.28	.40	.05	9.20
Valley Chapel	do	.03							.26			.77	.10	.76												.20			2.15	.10		.50	4.87
Vandalia	do							.35	.25			.58	.07																1.93	.05		.43	3.66
Wellsburg	Ohio							.57				.63	.03								T.							T.	.75			.74	2.72
West Milford	Monongahela							.37				1.15																	1.25	.10	.45		3.32
Weston	do	.21	.09						.31	.02		.05	.52	.55			T									.14	.04	.07	2.50	.05		.56	5.11
Wheeling (Dam 12)‖‖	Ohio						.09	05	.49			.19	.21	.02							.14								1.24	T.		.03	2.46
Woodlands‖‖	do								.60			.10	.50	.04			.05						.02	.14		.02			1.75			.15	3.37
Southern Division																																	
Arbovale	Great Kanawha	.41				.01		T.	T.			.23	.05													.16		.46	.68	.10			2.10
Bancroft ‖‖	do								.80			.08	.15	.21				.06						.08				.98	.52	.82	.08	1.60	5.38
Beckley	do	.66					T.	.18	.58		2.78	1.28	.32	.42				.05				.35				.39	.26	.26	.76	.50	.08		8.87
Bluefield	do		.61	.15						.17	.08	.07		.07						.20								.88	.58		.55		3.36
Charleston (Dam 6)‖‖	do		2.22						1.18	.12			.08	.14										.27					.12	.48	.09	.42	5.12
Clay‖‖	do	.02	.12						.36	.12		.40	.39	.21				T.										.02	1.11	2.83	.09	.61	6.28
Dam 19 O. R. ‖‖	Ohio		.01		.08			T.	.32	.01		1.28	.04	.08			.69	T.						.22			T.	.38	.14			.66	3.91
Dam 20 O. R. ‖‖	do		.05		T.				.37	.10		.92	.04				1.07							.20				.03	.10			1.50	4.38
Dam 25 O. R. ‖‖	do		.38						.43			.07	.71	.05										.85					.32		.07	2.00	4.88
Dam 26 O. R. ‖‖	do								.10	.05		.31	.09	.07										1.11		.04			.23		.03	.91	2.94
Durbin	Great Kanawha	.48	.18				.08	.01	.23	.05		.02	.25	.03													.13		.38	.18	.30		2.32
Gary ‖‖	Big Sandy	.06	.73						.01	.07	.40	.16	.05	.05				.01			.49		.33	.01			.01	.31		.40	.51		3.60
Hinton‖‖	do	.38	.23							.19	2.31	.19	.26	.15				.12					.11				T.	.12	.39	.20	.48		5.13
Huntington	Ohio	.19						.46	.15		1.01	.07	.24	.24							T.	T.		.01		.22		T.	.38	.17		.76	3.90
Kanawha Falls‖‖	Great Kanawha		.34						.18		.32		.10	.48	.16			42					.60	T.					.68	.26	.11	T.	3.65
Kayford‖‖	do	.06	.70						.25	.78		1.31	2.27	.74				.48										2.35	3.90	.09	.03		12.96
Kingston	do							.40									.75					.10		.30				.10		.50			2.15
Lewisburg	do								T.			.35		.10				T.				T.						.53	1.15	1.32			3.45
Logan‖‖	Guyandotte		1.59	T.					.70	.12		.34	.42	.14	.10			T.											1.10	.85	.04		5.40
Madison	Great Kanawha	.64						1.15	.07		2.33	.45	.38												T.			.42	.85	.53		.15	6.97
Marlinton	do																																
Point Pleasant‖‖	Ohio		.64						1.02	.22		.04	.10	.04										1.12			.14		.34	.02		1.84	5.52
Rainelle	Meadow Creek	.14	T.					.03	.43		.03	.13	.43	.18				.33				.11					.27	.09	1.12	.17	.02		3.48
Ravenswood (Dam 22	Ohio‖‖		.25		.04				.12			.18	.05	.02			.83	.02						1.40				.01	.19	.15		1.82	5.08
Richwood	Great Kanawha	.50	.14					.11	.30			.15	.19	.33							.01	.55		.02				.02	1.55	.24	.04		4.15
Robertsburg‖‖	do		.39						.67	.04		.09	.02	.03										.06		.03		.78	.89	.05	.53	1.47	5.05
Ryan	do	.95			.05			.48	.12		.23		.22									.01					.06		.35	.32		.87	3.66
Sharples‖‖	Coal River		1.45							1.51	.30	T.										T		T.					1.52	.82			5.60
Summersville	Great Kanawha		1.19						.33	.28		.26	1.43	.44				.02					.58					.89	2.49	.05	.12	.12	8.20
Spencer ‖‖	do	.30	.28		.06				.71	.12		.15	.02	.05			T.	.02					T					.64	1.03	.09		1.49	4.96
Sutton	Gauley	.30							.70			2.40	.35	.15								.20						.95	2.35	.15		.30	7.85
Union	do		.90								.30		.25					.15						.25			T.	2.05	T.		.97		4.87
Wayne‖‖	Big Sandy		.20						.87			.27		.36									.43						.32	1.23	1.02	.22	4.92
White Sulpr. Spgs.‖‖	Great Kanawha	.15								.75		.30	.10									.95						2.70		.20			5.15
Williamson‖‖	Big Sandy		1.46						1.01	.25		T.	.14	.08	.01			T.			.12		.01	.03				.04	.11	.19	.32		3.77

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.197	.089	.254	.288	.300	.245	.289	.259	.094	.236	.150	.175	.215	.222	.234	.271	.270	.280	.242	.228	.157	.335	.185	.283	.303	.287	.212	.250	.207	.052	.266	7.055
	Wind movement	26	9	26	44	26	22	57	65	11	23	20	32	41	32	33	34	30	35	18	11	37	41	30	30	28	36	26	48	16	10	44	941

Daily Temperatures for July, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	85	90	92	88	93	91	88	75	81	80	77	86	84	83	87	84	82	85	90	80	94	89	85	92	93	95	90	77	74	81	77	85.4
	Minimum	58	57	52	56	49	56	54	63	54	53	54	51	59	61	59	60	50	40	42	52	64	63	60	53	57	53	64	65	59	60	58	56.0
Brandywine	Maximum	90	91	95	96	98	94	92	90	86	82	89	90	88	90	94	93	90	93	96	95	102	95	94	95	100	101	98	94	84	90	88	92.7
	Minimum	58	50	56	60	58	59	56	57	52	50	61	62	60	62	60	62	63	65	66	67	65	65	67	64	70	64	63	64	68	65	60	61.3
Kearneysville	Maximum	83	93	96	92	97	98	98	84	86	84	84	89	93	92	97	92	97	91	96	95	101	94	92	92	105	99	92	85	81	90	89	92.2
	Minimum	64	64	64	65	64	67	72	67	63	66	64	63	70	67	67	66	60	55	60	68	72	69	65	69	73	67	71	70	72	65	64	66.2
Martinsburg*	Maximum	90	98	100	95	100	100	100	88	87	85	85	90	94	94	101	95	90	93	100	98	103	95	95	93	107	103	95	88	80	94	..	94.5
	Minimum	68	66	66	68	67	69	72	67	64	64	65	65	69	67	69	69	62	57	60	70	73	80	67	70	70	69	73	70	71	66	65	67.7
McNeill	Maximum	94	95	99	97	99	100	95	84	89	85	85	90	92	93	96	94	88	93	99	94	105	99	91	96	103	103	99	82	77	94	89	93.5
	Minimum	64	57	57	57	60	62	63	67	64	60	60	60	65	64	62	63	57	47	48	62	68	67	66	60	68	59	68	68	66	60	64	61.7
Piedmont	Maximum	86	92	94	93	93	96	94	78	84	83	83	85	89	88	91	88	85	87	93	89	101	95	87	91	98	100	95	84	87	88	83	89.7
	Minimum	61	63	62	57	60	65	66	58	56	63	60	62	60	67	65	65	57	51	53	62	69	66	66	61	66	64	73	69	66	66	65	62.7
Romney	Maximum	88	97	100	99	96	97	94	81	85	84	83	88	92	92	96	93	89	94	99	95	103	98	93	95	102	104	102	89	82	92	88	93.2
	Minimum	65	59	59	64	58	65	66	65	63	62	61	63	67	64	65	65	56	49	54	64	80	69	62	64	68	63	78	70	72	68	64	64.3
Upper Tract	Maximum	88	92	97	95	99	97	95	80	88	84	90	89	90	92	95	93	89	91	97	93	102	96	93	97	100	103	97	90	79	93	92	92.8
	Minimum	65	59	56	62	56	67	66	64	60	61	60	60	65	65	66	64	63	49	52	61	66	68	67	60	69	83	73	72	65	71	68	64.0
Wardensville*	Maximum	96	97	95	98	98	98	94	81	82	81	81	86	88	91	93	91	83	89	95	91	101	93	88	89	98	98	95	82	77	88	84	90.4
	Minimum	66	59	63	64	58	63	64	67	62	60	60	61	66	63	64	62	57	49	52	62	68	67	64	63	68	63	68	69	69	63	62	62.8
Northern Division																																	
Alpena	Maximum	80	82	85	85	90	87	85	73	82	79	78	82	79	81	84	82	80	84	85	81	93	86	87	90	89	91	87	75	71	81	75	82.9
	Minimum	59	56	55	55	52	58	61	61	52	53	57	55	69	61	56	59	54	43	43	55	62	63	59	54	61	55	62	62	62	63	58	57.3
Bens Run	Maximum	84	94	96	94	100	97	88	82	91	92	89	88	93	93	96	94	92	93	100	96	106	98	97	100	101	103	95	88	87	91	85	93.6
	Minimum	71	70	67	67	69	72	70	67	68	68	67	65	70	72	69	68	66	60	62	76	75	71	72	64	71	72	72	71	67	69	65	68.8
Buckhannon	Maximum	83	87	88	89	92	89	89	78	84	87	86	88	85	86	88	87	88	86	90	87	96	92	92	94	96	97	93	81	78	83	82	87.8
	Minimum	66	62	63	65	62	68	69	60	60	67	64	60	68	68	66	68	68	54	54	67	70	71	67	63	65	68	70	68	68	67	64	65.2
Cairo	Maximum	91	80	90	93	98	98	95	87	86	89	87	86	89	90	89	94	88	90	93	95	100	105	94	95	99	103	103	93	85	85	89	92.2
	Minimum	68	62	61	62	62	65	65	65	63	62	61	61	67	66	62	62	59	51	50	65	58	70	68	57	63	64	68	70	62	64	63	62.8
Clarksburg*	Maximum	87	90	93	94	98	95	89	80	90	86	82	87	89	90	94	90	87	90	95	92	101	95	91	99	100	102	94	82	79	89	82	90.7
	Minimum	65	67	63	62	62	66	70	66	62	62	63	59	69	67	64	63	63	52	52	66	72	73	67	59	63	63	69	69	65	67	63	64.3
Creston	Maximum	80	90	94	93	97	95	90	80	91	88	87	86	92	91	95	94	90	95	98	98	104	103	96	101	104	103	91	83	80	90	88	92.5
	Minimum	67	65	63	63	61	64	65	66	62	62	61	60	68	66	63	66	61	50	50	64	68	69	78	57	62	64	61	68	67	66	67	63.7
Elkins	Maximum	81	86	87	88	91	87	86	74	84	81	81	84	83	85	88	85	82	85	89	86	95	91	90	95	94	96	91	77	76	85	78	85.8
	Minimum	63	60	62	61	58	64	66	65	59	60	60	59	67	66	64	65	58	51	51	62	67	69	65	60	61	61	68	67	66	66	63	62.4
Fairmont	Maximum	87	96	99	96	101	100	92	83	92	92	86	92	93	95	97	94	91	93	99	95	104	101	98	104	105	105	98	86	81	92	86	94.6
	Minimum	66	70	64	65	64	70	70	67	63	65	65	60	69	68	68	65	61	55	56	69	72	73	69	63	68	65	72	70	65	65	64	66.0
Glenville	Maximum	83	90	94	95	99	98	93	80	93	92	88	88	90	91	90	91	89	88	91	93	101	102	102	104	105	105	97	92	91	91	89	93.4
	Minimum	68	69	66	63	65	68	69	67	65	63	63	64	68	67	68	69	70	69	67	66	58	59	58	60	61	64	67	68	67	66	60	65.2
Grafton	Maximum	84	91	94	93	96	93	90	80	90	88	85	88	88	90	92	91	88	92	95	90	102	96	97	99	103	100	95	82	79	85	85	91.0
	Minimum	64	67	62	64	61	67	67	67	61	63	64	59	70	67	65	65	61	52	54	64	70	69	68	62	64	64	70	69	65	66	64	61.4
Lost Creek	Maximum	85	92	91	92	98	94	89	85	86	89	88	88	87	91	93	92	89	90	96	96	102	98	97	101	103	100	99	80	79	85	83	91.5
	Minimum	65	60	64	65	60	65	64	65	62	60	56	58	68	67	63	62	60	49	49	65	69	71	68	56	62	61	66	67	67	65	62	62.6
Mannington	Maximum	82	85	89	87	91	90	89	77	84	85	79	83	84	86	87	85	81	83	87	87	96	91	88	92	95	96	89	87	77	85	83	86.5
	Minimum	66	68	63	62	61	65	65	66	61	61	63	58	67	66	65	62	59	52	53	64	70	69	68	59	64	63	69	69	62	66	62	63.5
Morgantown	Maximum	92	90	92	95	94	95	90	76	88	88	85	85	90	91	92	90	92	92	95	90	102	98	97	100	100	102	99	87	86	85	84	91.7
	Minimum	63	68	70	72	71	72	68	65	62	63	60	60	64	65	67	63	52	52	52	70	74	72	62	70	67	67	66	63	63	67	63	64.9
New Cumberland*	Maximum	86	92	95	89	93	93	78	79	85	87	78	87	86	91	93	85	84	91	95	96	100	96	92	101	99	98	87	90	90	89	..	90.1
	Minimum	66	64	70	68	64	68	71	64	59	62	64	62	69	65	61	63	57	52	56	62	70	71	65	57	67	63	71	69	67	60	67	64.3
New Martinsville	Maximum	88	92	95	96	101	98	86	81	88	92	81	87	91	94	95	92	90	92	99	96	106	97	96	99	100	103	101	87	87	91	87	93.2
	Minimum	68	67	66	63	65	68	68	65	65	63	64	62	70	71	67	64	61	55	54	70	72	71	70	60	67	68	70	70	64	66	65	65.9
Parkersburg	Maximum	81	89	94	90	97	94	82	76	88	89	87	86	91	90	94	88	86	87	95	98	103	100	93	98	102	103	92	84	83	91	83	90.8
	Minimum	68	64	66	67	68	73	67	66	67	68	67	67	70	72	68	70	65	60	58	78	78	72	72	65	73	71	71	71	68	67	66	68.5
Parsons	Maximum	83	92	94	91	96	94	90	77	89	82	83	87	89	89	93	90	86	91	93	90	99	94	95	98	99	102	94	76	79	88	82	89.8
	Minimum	63	62	61	63	60	63	66	66	60	60	70	59	64	64	63	65	60	53	52	60	69	66	66	61	62	62	68	68	66	66	62	62.9
Pickens	Maximum	81	85	93	86	91	87	88	72	81	84	84	83	82	85	88	88	..	87	90	83	95	88	92	93	92	96	91	75	74	82	79	85.8
	Minimum	57	55	60	58	57	62	61	69	52	60	60	57	62	62	58	65	..	49	49	58	65	62	60	59	59	60	63	60	69	62	49	59.0
Terra Alta	Maximum	85	85	84	85	89	85	82	73	82	77	75	80	79	83	81	82	80	82	88	82	91	85	85	92	89	92	86	85	80	78	78	83.2
	Minimum	63	64	62	62	58	68	65	62	58	59	60	60	63	64	65	66	54	48	51	63	72	65	63	61	66	61	68	65	64	65	59	62.1
Wellsburg	Maximum	90	93	95	90	97	95	88	80	87	88	82	89	91	92	93	88	86	90	98	93	104	106	93	104	103	102	93	91	90	91	85	92.6
	Minimum	64	62	63	59	62	63	68	65	58	58	60	58	70	64	65	62	54	48	50	65	68	68	52	52	63	59	67	67	57	58	64	61.1
Weston	Maximum	88	92	95	97	99	96	94	90	92	93	90	89	90	94	99	96	94	94	99	98	104	100	99	104	105	104	100	97	87	89	86	95.3
	Minimum	66	65	64	67	62	69	69	67	64	64	66	62	69	68	65	68	62	52	54	69	71	72	68	70	68	62	69	63	70	72	62	65.8
Wheeling(Dam 12)	Maximum	88	91	94	90	94	92	80	80	87	88	73	86	95	91	93	87	85	89	95	95	102	97	93	98	101	102	92	89	88	88	84	90.5
	Minimum	69	68	69	66	67	72	69	66	68	73	66	64	70	68	68	65	59	56	57	67	76	72	68	59	72	68	71	69	62	65	67	67.0
Southern Division																																	
Beckley	Maximum	84	84	89	89	94	90	84	78	87	79	82	79	74	76	86	89	83	87	88	89	94	92	93	92	93	93	89	88	77	83	80	86.0
	Minimum	63	59	57	57	56	62	65	61	58	62	59	60	54	58	61	59	65	59	54	66	68	63	71	63	60	64	63	63	64	63	60	61.2
Bluefield	Maximum	..	87	86	..	91	88	86	..	84	82	78	82	85	85	..	92	90	90	87	90	92	..	94	92	93	94	89	88	..	84	83	87.7
	Minimum	..	63	61	..	60	67	67	..	61	64	65	63	64	68	..	62	65	59	64	70	73	..	64	73	66	69	65	66	..	65	65	65.2
Charleston	Maximum	87	89	97	94	100	95	89	87	93	88	92	90	94	91	95	95	91	95	98	98	105	106	96	104	106	104	97	88	83	92	86	94.4
	Minimum	71	69	67	71	68	70	70	69	70	68	66	66	67	68	67	73	72	62	59	74	75	73	65	67	72	64	63	71	68	71	65	68.4
Gary*	Maximum	83	84	89	91	94	92	85	81	87	85	85	83	86	86	90	91	89	90	87	92	95	94	96	95	95	96	80	80	81	86	82	88.1
	Minimum	68	67	66	65	63	65	65	64	64	67	65	65	68	69	66	67	67	62	61	67	71	66	75	70	66	65	68	68	68	69	65	66.5
Hinton*	Maximum	78	93	95	97	102	100	90	86	96	84	81	85	93	92	97	95	91	95	94	95	99	100	98	101	102	97	97	83	85	93	87	93.0
	Minimum	69	66	67	64	63	66	67	65	66	67	67	64	67	68	67	69	72	63	65	65	72	67	72	70	68	69	69	69	71	69	66	67.4
Huntington	Maximum	85	90	96	98	99	94	90	87	92	93	89	84	93	91	95	96	92	95	95	97	104	101	102	103	104	102	100	85	84	91	88	94.0
	Minimum	71	68	67	70	67	74	68	68	67	70	67	67	68	72	68	71	72	62	61	75	79	74	77	66	73	74	75	73	71	70	67	70.1
Lewisburg	Maximum	83	86	85		..	..	..	87	94	95	87	92	87	90	92	94	95	95	96	99	102	99	101	100	102	99	98	87	86	90	89	93.0
	Minimum	61	60	58	63	62	64	63	64	66	62	65	63	60	61	62	61	62	62	55	65	68	64	69	70	66	67	64	67	69	67	63	63.7
Madison	Maximum	81	88	92	94	97	93	86	83	89	89	88	83	90	87	93	93	87	92	92	95	99	98	96	99	100	100	97	81	85	89	85	91.1
	Minimum	67	66	65	64	67	65	67	64	65	63	63	66	67	65	69	70	62	58	68	71	69	70	65	65	69	70	68	68	68	63	64	66.2
Marlinton	Maximum	86	84	86	86	88	84	84	78	82	72	74	82	80	84	86	86	84	84	82	84	90	86	86	84	90	88	84	80	76	78	80	83.2
	Minimum	62	64	64	60	66	62	60	58	60	62	60	62	62	62	58	58	58	58	60	60	70	70	70	64	58	72	68	64	64	60	64	62.6
Point Pleasant	Maximum	75	88	95	92	95	94	90	77	90	90	85	84	94	94	96	95	90	93	98	98	106	103	100	99	105	102	99	85	88	91	90	92.9
	Minimum	66	63	64	65	64	68	67	64	63	65	63	63	65	64	64	68	65	56	56	72	72	70	70	62	67	69	67	69	67	65	63	65.4
Rainelle	Maximum	77	81	81	84	87	87	84	78	76	76	72	78	81	88	87	83	83	88	91	87	96	94	90	95	96	93	90	86	74	85	81	84.8
	Minimum	62	64	59	54	53	59	61	62	58	62	63	58	64	60	58	61	68	52	48	60	62	60	64	60	65	59	61	63	59	59	59	59.9
Ravenswood	Maximum	89	91	95	97	100	98	96	82	91	91	87	89	93	96	100	102	88	92	99	99	105	105	98	100	104	105	95	88	82	89	91	94.7
	Minimum	71	63	64	65	64	69	70	67	64	65	67	65	68	67	65	65	66	55	54	74	72	73	70	62	70	69	69	71	69	66	65	66.6
Richwood	Maximum	90	86	88	90	96	94	89	85	87	87	88	84	83	86	92	93	91	89	92	94	94	92	92	93	97	98	92	82	77	84	86	89.4
	Minimum	62	59	60	59	55	56	63	63	56	64	62	66	64	62	63	63	63	51	52	59	63	60	58	54	49	46	47	48	49	50	45	57.1
Robertsburg*	Maximum	85	92	97	95	99	97	87	87	94	87	88	83	94	92	99	97	93	97	99	98	105	104	97	100	104	104	93	85	79	91	85	93.8
	Minimum	73	65	65	67	61	70	68	67	65	66	64	66	66	75	66	68	69	56	54	70	75	72	72	61	70	70	69	70	70	68	70	67.4
Ryan	Maximum	75	75	80	80	95	90	75	80	95	95	80	85	95	90	90	90	90	93	95	96	98	98	98	99	100	100	95	80	75	90	80	88.9
	Minimum	60	58	60	59	58	62	62	63	60	63	58	59	63	62	59	62	64	60	58	60	62	65	60	65	62	65	63	61	63	61	60	61.2
Spencer*	Maximum	77	89	92	92	97	93	88	83	90	89	85	87	90	93	94	95	89	93	97	96	104	103	98	102	105	104	94	83	80	84	84	91.9
	Minimum	69	64	64	65	64	69	71	68	64	65	64	66	68	70	65	70	66	55	54	74	74	73	69	60	67	69	69	70	69	70	65	66.8
Sutton	Maximum	94	87	95	95	99	99	98	97	90	90	86	82	89	91	93	93	93	90	91	97	98	98	97	99	102	102	101	90	84	89	89	93.5
	Minimum	63	64	63	65	61	60	62	65	61	67	66	62	61	62	63	64	61	56	52	64	69	68	70	62	69	68	74	69	68	68	63	64.2
Union	Maximum	..	83	91	92	94	94	89	..	85	85	77	77	83	84	..	93	93	90	90	92	96	..	89	93	95	95	77	75	..	85	85	87.8
	Minimum	..	62	58	60	60	65	65	..	62	66	66	62	66	64	..	62	66	58	61	68	70	..	66	70	66	64	66	66	..	67	66	64.3
White Sulphur Spgs.	Maximum	87	90	93	94	96	95	92	88	88	84	81	87	87	90	94	95	91	92	94	95	99	97	96	95	96	97	92	86	82	89	87	91.3
	Minimum	58	61	61	59	62	64	65	63	61	62	59	61	62	63	66	64	61	68	67	71	68	68	76	64	63	64	62	64	63	62	62	63.7
Williamson*	Maximum	87	90	96	97	98	95	81	84	90	86	89	86	93	92	97	97	91	95	93	97	102	100	101	101	101	101	97	82	84	91	86	92.9
	Minimum	73	69	69	68	70	70	68	70	68	69	66	66	69	73	73	72	70	67	63	72	74	70	76	71	69	71	71	71	71	70	66	69.8

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 8-27-34—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., AUGUST, 1934 No. 8

GENERAL SUMMARY

August was normal in temperature and unusually wet, being the seventh wettest August of State record. The precipitation occurred mostly in the form of thundershowers and was unevenly distributed, the greatest amounts being reported from scattered localities of the southern and central counties, and the least in the northeastern and eastern sections. Maximum temperatures were quite high during the first decade, and the highest readings were noted at practically all stations from the 8th to the 10th. Temperatures were low for the season during the last three days of the month, and light frosts were reported from a few mountain stations. Unusually heavy showers in scattered sections of Putnam County on the 10th, caused considerable damage on the left bank of Poca River where three dwellings and one school house were washed away. On the 15-16th, heavy rains in sections of the northeastern counties, caused much damage to highways, bridges, and crops. More than the usual amount of sunshine was recorded, and the month was generally favorable for farm work and crop growth. Early planted corn matured rapidly and at the end of the month cutting was in progress, with some in shock. Pastures and meadows were considerably improved and were in good condition.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 71.6° or normal. Warm weather prevailed on the 2d, and from the 7th to the 18th, the highest temperatures occurring generally on the 8th and 10th. The weather was somewhat cool on the 1st, 4th, 5th, and from the 20th to the 31st, the lowest readings being noted on the 29th and 30th. The highest monthly mean was 76.5° at Huntington, and the lowest, 64.8° at Terra Alta. The highest temperature was 99° at Charleston on the 9th, and the lowest was 35° at Bayard on the 29th, making the monthly range for the State 64°. The greatest daily range was 44° at Brandywine on the 15th and Morgantown on the 31st.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 5.37 inches, which was 1.35 inches more than the normal. The greatest monthly precipitation was 9.28 inches at Williamson, and the least was 1.56 inches at Marlinton. The greatest amount in any 24 consecutive hours was 3.90 inches at Terra Alta on the 16th. The average number of days with .01 inch or more of precipitation was 11.

LIGHT HAIL

Light hail fell at Horton and Pickens, Randolph County, on the 28th, with practically no damage.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 5th, 6th, 12th, 13th, 15th, 17th, 22d, and 27th; Bens Run, 5th, 12th, 18th, and 19th; Buckhannon, 29th, 30th, and 31st; Clay, 13th, 14th, 18th, 22d, 23d, and 25th; Elkins, 7th, 12th, 13th, 18th, 19th, 22d, 27th, 29th, and 31st; Fairmont, 24th, 26th, and 28th; Hinton, 4th, 6th, 13th, 14th, 15th, 22d, 23d, 25th, 27th, and 29th; Huntington, 6th and 18th; Lewisburg, 5th, 6th, 12th, and 13th; New Cumberland, 26th, 27th, and 30th; Parkersburg, 17th and 18th; Wellsburg, 4th, 6th, 14th, 18th, 19th, 21st, 26th, and 29th; Wheeling, 1st, 4th, 7th, 8th, 17th, 18th, 19th, 23d, 26th, 27th, 29th, and 30th; Williamson, 13th and 23d.

Thunderstorms (dates and number of stations reporting): 2d, 7; 3d, 10; 4th, 1; 9th, 3; 10th, 8; 13th, 2; 15th, 8; 16th, 12; 17th, 2; 20th, 1; 22d, 2; 23d, 3; 24th, 7; 25th, 1; 27th, 1; 28th, 2; 29th, 2.

ERRATA

July, 1934.— Page 26, Wellsburg precipitation 2.66. departure −1.63; page 27, Wellsburg precipitation on the 7th, 0.51, total 2.66 inches.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.02	30.26	31	29.76	2	5.9	22	n.	9	78	50	58	71
Columbus, Ohio	30.02	30.26	31	29.68	2	8.9	42	n.	9	76	54	58	61
Elkins	30.07	30.39	31	29.84	2	4.7	24	n.	3	91	60	82	50
Parkersburg	30.06	30.33	31	29.81	2	5.2	27	nw.	3	83	58	70	66
Pittsburgh, Pa	30.04	30.34	31	29.76	2	7.9	42	nw.	2	83	60	62	71
Wytheville, Va	30.03	30.35	31	29.87	20	5.3	20	w.	16	87	64	80	30

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	69.8	−1.8	......	......	5.48	+1.46	......	......	......	....	....	....	....
1892	72.1	+0.5	96	41	2.55	−1.47	......	......	......	7	....	....	....
1893	70.8	−0.8	98	41	3.38	−0.64	......	......	......	....	....	....	....
1894	71.5	−0.1	103	38	2.07	−1.95	5.15	0.27	......	6	14	12	5
1895	73.3	+1.7	104	40	3.01	−1.01	7.69	1.15	......	8	15	11	5
1896	72.6	+1.0	97	40	2.82	−1.20	5.69	0.88	......	7	15	12	4
1897	70.9	−0.7	100	42	2.91	−1.11	5.93	0.77	......	9	13	14	4
1898	73.7	+2.1	96	44	7.51	+3.49	11.57	4.40	......	12	12	12	7
1899	73.5	+1.9	100	34	2.64	−1.38	6.37	0.34	......	6	15	11	5
1900	76.0	+4.4	100	45	3.15	−0.87	7.20	1.03	......	8	17	10	4
1901	73.6	+2.0	98	43	5.14	+1.12	13.70	1.64	......	12	10	13	8
1902	70.4	−1.2	98	35	2.40	−1.62	6.05	0.97	......	7	15	13	3
1903	71.4	−0.2	105	38	2.64	−1.38	5.85	0.99	......	8	12	13	6
1904	70.7	−0.9	95	32	2.88	−1.14	6.71	0.67	......	9	15	10	6
1905	71.3	−0.3	96	40	4.25	+0.23	8.32	1.32	......	9	14	11	6
1906	75.4	+3.8	98	47	5.15	+1.13	10.72	2.18	......	13	10	13	8
1907	69.4	−2.2	93	41	4.64	+0.62	10.12	1.55	......	11	13	10	8
1908	70.9	−0.7	101	37	2.82	−1.20	5.63	0.84	......	7	15	10	6
1909	70.8	−0.8	99	37	3.03	−0.99	5.79	0.81	......	6	16	10	5
1910	70.8	−0.8	98	39	2.03	−1.99	5.58	0.70	......	5	17	10	4
1911	73.5	+1.9	105	40	6.71	+2.69	12.14	2.38	......	12	13	10	8
1912	69.3	−2.3	95	35	3.64	−0.38	11.70	0.25	......	11	10	13	8
1913	72.7	+1.1	102	37	3.18	−0.84	8.20	0.79	......	6	19	7	5
1914	71.8	+0.2	100	40	4.86	+0.84	9.29	1.38	......	10	15	9	7
1915	69.4	−2.2	99	36	4.84	+0.82	8.36	2.46	......	14	10	11	10
1916	72.9	+1.3	104	40	4.76	+0.74	15.35	1.46	......	10	14	9	8
1917	71.6	0.0	102	39	3.53	−0.49	8.80	0.94	......	8	17	8	6
1918	76.0	+4.4	110	43	3.96	−0.06	9.15	0.63	.....	9	17	8	6
1919	70.2	−1.4	100	40	4.54	+0.52	8.67	0.95	......	11	16	9	6
1920	71.1	−0.5	95	42	4.27	+0.25	9.28	1.69	......	14	9	10	12
1921	69.7	−1.9	98	37	5.20	+1.18	9.46	2.13	......	9	16	8	7
1922	68.9	−2.7	98	31	3.87	−0.15	7.51	1.20	......	10	14	9	8
1923	71.0	−0.6	99	33	4.39	+0.37	12.42	1.60	......	10	15	8	8
1924	71.7	+0.1	104	34	4.63	+0.61	9.34	0.69	......	9	18	8	5
1925	70.7	−0.9	100	33	1.86	−2.16	4.92	0.20	......	7	18	8	5
1926	74.0	+2.4	105	38	6.94	+2.92	15.36	2.95	......	13	13	7	11
1927	67.1	−4.5	94	34	4.33	+0.31	8.03	1.34	......	11	12	9	10
1928	74.0	+2.4	103	39	5.36	+1.34	8.43	1.85	......	14	11	8	12
1929	69.1	−2.5	101	33	3.31	−0.71	5.75	0.14	......	7	16	8	7
1930	70.7	−0.9	112	30	2.20	−1.82	5.07	0.70	......	8	15	8	8
1931	71.6	0.0	102	39	6.38	+2.36	10.63	1.62	......	14	11	9	11
1932	72.1	+0.5	104	38	3.04	−0.99	6.57	0.35	......	6	20	7	4
1933	71.5	−0.1	102	38	5.38	+1.36	9.84	1.28	......	11	13	10	8
1934	71.6	0.0	99	35	5.37	+1.35	9.28	1.56	......	11	14	9	8
Period	71.6	......	112	30	4.02	....	15.36	0.14	......	10	14	10	7

Climatological Data for August, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	65.0	−0.8	84	13†	35	29†	40	5.48	+0.64	2.20	0	13	24	4	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	71.5	+1.6	94	10†	42	29†	44	3.23	+0.09	1.50	0	9	24	3	4	sw.	Elmer Keister
Circleville	Pendleton	....	2	....	....	....	....	....	....	....	2.88	....	1.17	0	7	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	....	....	....	....	....	....	....	5.04	+1.32	2.18	0	9	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	4	72.1	....	94	10	41	31	33	5.22	....	3.45	0	9	9	13	9	se.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}73.6	+0.6	96^{a}	13	43	31	36^{a}	5.06	+1.29	2.55	0	9	21	7	3	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	71.7	−1.8	94	14†	39	31	43	3.04	−0.11	1.18	0	6	3	16	12	w.	John W. McNeill
Piedmont	Mineral	1,053	21	70.2	−0.3	91	14	42	30	34	5.12	+1.68	2.82	0	10	13	13	5	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	71.7	−1.9	95	14	43	30†	40	4.11	+0.47	2.40	0	8	10	12	9	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	....	....	....	....	....	....	....	3.20	−1.38	1.45	0	7	6	6	19	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	^{b}72.6	+2.4	93^{b}	14	42^{b}	31	36^{b}	2.00	−1.24	1.26	0	4	....	....	....	....	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	^{b}69.2	−0.3	88^{b}	15	44^{b}	31	31^{c}	4.53	+0.90	1.15	0	12	15	8	8	....	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	....	....	....	....	....	....	....	6.33	+1.85	2.14	0	15	4	19	8	w.	L. Else Bond
Alma (near)	Tyler	800	7	....	....	....	....	....	....	....	5.44	....	2.35	0	11	15	8	8	....	D. N. Furbee
Alpena	Randolph	2,571	4	64.9	....	86	9	36	30†	35	6.62	....	2.44	0	13	15	10	6	w.	Christian Hertig
Benson	Harrison	1,080	10	....	....	....	....	....	....	....	6.32	+1.87	2.15	0	10	....	....	....	....	R. D. Marts
Bens Run	Pleasants	652	32	74.9	+1.3	96	8	48	30	31	5.55	+1.25	2.13	0	13	11	14	6	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	72.6	+0.4	92	8	44	30	35	6.70	+2.43	1.92	0	11	11	17	3	....	W. B. Worley
Bruceton Mills	Preston	1,549	17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Mrs. Ola M. Wolfe
Buckhannon	Upshur	1,411	37	70.7	+0.8	87	8	46	30	30	6.54	+2.42	1.93	0	8	18	8	5	....	H. A. Darnall
Cairo	Ritchie	680	33	72.6	+0.1	93	9†	41	30	39	7.79	+3.86	3.02	0	10	16	6	9	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	71.4	−0.6	94	8	42	30	35	6.53	+2.05	2.65	0	12	10	13	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	11	....	....	....	....	....	....	....	6.43	+1.85	2.13	0	13	15	11	5	sw.	George W. Blair
Creston	Wirt	640	32	73.2	+0.1	93	9	42	30	35	7.24	+3.32	2.10	0	10	17	3	11	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	....	....	....	....	....	....	....	4.61	+0.55	1.52	0	9	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	18	....	....	....	....	....	....	....	5.73	+1.78	2.10	0	10	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	....	....	....	....	....	....	....	4.37	+0.24	2.01	0	8	....	....	....	....	Lockmaster
Davis	Tucker	3,093	25	....	....	....	....	....	....	....	4.61	−0.41	2.20	0	9	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	22	....	....	....	....	....	....	....	7.39	+2.80	2.82	0	11	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	33	68.6	−0.5	86	7	43	30	32	4.93	+1.07	1.79	0	14	4	14	13	nw.	U. S. Weather Bureau
Fairmont	Marion	883	28	73.6	+0.9	95	9	43	30	36	2.84	−0.95	1.44	0	5	13	10	8	w.	J. C. Robinson
Glenville	Gilmer	738	40	74.0	+0.1	95	8	44	30	37	6.28	+2.08	1.98	0	12	22	0	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	71.6	+0.2	91	7†	44	30	35	6.15	+2.12	3.00	0	9	14	2	15	....	W. E. Clayton
Horner††	Lewis	1,044	11	....	....	....	....	....	....	....	4.92	+0.04	1.82	0	9	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	9	....	....	....	....	....	....	....	4.77	+0.14	1.32	0	12	12	12	7	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	72.2	+0.1	92	8	43	30	36	4.85	0.00	1.90	0	9	14	9	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	69.8	−0.9	92	9	40	30	35	4.36	+0.20	1.68	0	12	15	4	12	w.	Allen Smith
Mannington	Marion	985	31	69.4	−0.8	88	8†	40	30	31	4.12	+0.15	1.96	0	11	14	6	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	71.1	−0.9	93	12	42	31	44	5.52	+1.38	1.30	0	8	21	6	4	sw.	Bruce Davis
New Cumberland	Hancock	671	36	70.2	−0.6	93	9	43	30	35	6.89	+3.50	1.39	0	15	14	7	10	n.	C. H. Hesse
New Martinsville	Wetzel	634	40	73.6	−0.1	96	9	50	31	34	6.55	+2.87	2.60	0	9	14	10	7	s.	Wm. Ankrom
Parkersburg	Wood	638	47	73.7	−0.2	95	9	49	30	32	4.69	+1.18	1.98	0	10	13	7	11	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	70.8	+1.4	90	7†	45	30	35	6.59	+2.54	....	0	....	15	8	8	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	....	....	....	....	....	....	....	5.67	+1.62	2.34	0	11	22	6	3	....	Robert T. Deem
Philippi	Barbour	1,550	37	....	....	....	....	....	....	....	4.90	+0.73	0.99	0	11	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	31	^{a}66.8	+0.3	88^{a}	11	39^{a}	30	36^{a}	6.01	+0.51	1.90	0	12	16	10	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	....	....	....	....	....	....	....	6.50	+2.16	1.90	0	11	14	9	8	....	Miss Mary A. Conrad
Saint Marys	Pleasants	577	25	....	....	....	....	....	....	....	4.83	+0.25	1.77	0	11	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	33	64.8	−2.0	82	7†	39	29†	30	7.54	+2.53	3.90	0	13	11	10	10	w.	Guy Hein
Thomas	Tucker	2,950	5	....	....	....	....	....	....	....	4.53	....	1.60	0	10	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	11	72.6	+0.1	92	9	44	30	33	5.37	+1.21	1.75	0	11	13	10	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	....	....	....	....	....	....	....	6.11	+1.91	1.85	0	11	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	27	70.8	+0.5	94	8†	37	30	41	5.55	+1.77	1.47	0	10	16	9	6	....	George P. Pfister
West Milford	Harrison	979	9	....	....	....	....	....	....	....	5.90	+1.28	1.35	0	12	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	74.8	+2.1	94	7†	45	30	36	5.30	+1.29	1.00	0	13	11	6	14	....	A. Henry
Wheeling (Dam 12)	Ohio	659	47	71.2	−1.6	93	8	41	27	40	4.92	+1.36	1.60	0	8	17	9	5	....	Lockmaster
Woodlands	Marshall	637	7	....	....	....	....	....	....	....	7.27	....	2.16	0	9	11	7	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	....	....	....	....	....	....	....	3.37	−0.72	1.90	0	10	6	12	13	w.	H. S. Sutton
Bancroft ††	Putnam	574	30	74.8	+1.7	91	8†	46	30	31	6.07	+1.77	3.26	0	9	8	8	15	w.	Charles N. Long
Beckley	Raleigh	2,440	31	68.8	−3.3	87	9	42	27†	35	6.04	+2.60	1.80	0	18	3	18	10	....	L. A. Mauck
Bluefield ^{d}	Mercer	2,558	39	71.2	+0.7	88	13	49	27	29	5.84	+1.76	1.03	0	15	6	13	8	....	Norfolk & Western Ry.
Charleston (Dam 6 G. K)	Kanawha	600	31	75.0	−0.3	99	9	49	30†	35	5.03	+0.54	1.69	0	8	3	0	28	....	Lockmaster
Clay	Clay	706	18	....	....	....	....	....	....	....	6.66	+2.05	1.47	0	13	....	....	....	....	Chilton Wilson
Dam 19 O. R.	Wood	600	18	....	....	....	....	....	....	....	3.68	−0.57	1.04	0	11	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	18	....	....	....	....	....	....	....	3.49	−0.90	1.45	0	8	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	7	....	....	....	....	....	....	....	5.44	+1.54	1.55	0	11	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	18	....	....	....	....	....	....	....	5.94	+2.59	1.37	0	11	....	....	....	....	U. S. Engineers Office
Durbin	Pocahontas	2,724	2	....	....	....	....	....	....	....	4.96	....	2.50	0	11	....	....	....	....	Mrs. E. Phyllis Percival
Gary	McDowell	1,426	18	72.9	+0.9	90	13	51	31	26	6.63	+2.08	1.49	0	20	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	74.6	+1.3	95	9	53	31	31	5.41	+1.49	1.22	0	15	20	4	7	....	Mrs. M. L. McClung
Huntington	Cabell	538	37	76.5	+1.7	96	8	49	30	31	6.15	+2.44	1.37	0	12	7	18	6	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	....	....	....	....	....	....	....	6.32	+1.43	2.10	0	12	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	18	....	....	....	....	....	....	....	7.36	+2.02	1.39	0	14	....	....	....	....	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	....	....	....	....	....	....	....	2.06	....	0.65	0	5	....	....	....	....	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	71.2	+1.8	91	14	40	29†	38	4.24	+0.58	1.53	0	6	16	9	6	....	Rose Argabrite
Logan	Logan	700	31	....	....	....	....	....	....	....	8.64	+4.64	1.50	0	13	....	....	....	....	J. R. Wampler
Madison	Boone	675	13	74.0	−0.4	93	8†	48	29	30	6.35	+2.53	1.32	0	12	18	4	9	....	W. E. Holy
Marlinton	Pocahontas	2,131	35	66.9	+0.7	88	14	42	29†	28	1.56	−3.42	1.08	0	4	5	21	5	sw.	Miss Virginia Crocket
Point Pleasant	Mason	595	41	73.3	−1.4	95	9	45	30	34	5.62	+2.31	2.32	0	11	15	11	5	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	68.6	....	88	9†	43	27†	37	4.31	....	1.40	0	15	14	4	13	....	L. G. Swing
Ravenswood (Dam 22)*.	Jackson	584	11	74.8	+1.9	96	10†	49	27†	36	4.50	+0.77	1.40	0	10	17	4	10	se.	Lockmaster
Richwood	Nicholas	2,193	4	69.5	....	90	9†	43	30	39	6.62	....	2.32	0	15	7	14	10	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	75.8	+1.9	95	8†	47	30	35	5.27	+1.82	1.44	0	12	17	0	14	....	M. Frazier
Ryan	Roane	700	31	70.0	−1.7	90	9†	41	26†	39	7.22	+3.18	2.52	0	9	17	6	8	....	Wm E. Ryan
Sharples	Logan	889	14	....	....	....	....	....	....	....	6.39	+1.64	1.41	0	9	....	....	....	....	R. W. Howard
Spencer	Roane	789	30	73.2	+0.9	93	8	44	30	34	4.62	+0.83	1.60	0	8	14	11	6	....	A. M. McKown
Summersville	Nicholas	1,894	1	....	....	....	....	....	....	....	5.24	....	1.55	0	12	....	....	....	....	Carl Perry
Sutton	Braxton	850	28	72.6	−0.5	92	9†	46	30	34	5.55	+1.11	1.25	0	9	22	0	9	....	C. B. Eakle
Union ^{d}	Monroe	2,250	30	70.6	+0.4	88	15†	46	27†	32	3.15	−0.64	0.58	0	7	11	16	0	....	C. B. King
Wayne	Wayne	598	7	....	....	....	....	....	....	....	5.23	....	1.01	0	12	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	24	72.0	+1.7	90	9†	49	30	33	4.60	+1.06	0.85	0	11	25	4	2	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	75.8	+1.0	94	8†	54	30	25	9.28	+5.36	2.72	0	12	5	19	7	nw.	J. E. Dotson
State averages and	extremes	....	....	71.6	0.0	99	9	35	29†	44	5.37	+1.35	3.90	0	11	14	9	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for August, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
ayard‖‖	Potomac		.44	.97		.24				.37			.10	T.		.10	2.20	.47			.13				.10	.30			.04	.02			5.48
randywine	do		.25	.25		.03							1.50				.55	.05				.05			.50	.05							3.23
ircleville	do		.15	1.01			.27					.10	T.			T.	1.17					T.			.07	.11	T.			T.			2.88
arpers Ferry ‖‖	do			.55							.30		.81		.38		.55	2.18								.22	.03			.02			5.04
earneysville	do		.05	.49		T.				.50			.30	.07		.28	3.45									.04			.04				5.22
artinsburg ‖‖	do			.65						.55			.05	.50		.15	.55	2.55									.05			.01			5.06
cNeill	do		T.	.47		T.				.64	T.	T.	.17	.40		T.	1.18							T.	T.	.18			T.				3.04
iedmont	do	T	.19	.78						.70	T.		.10	.26		.17	2.82	.04			.05			T.					.01				5.12
omney‖‖	do		.09	1.03						.51		.01		.01			2.40								.01				.05				4.11
tony River Dam	do			1.45									.32				.12	1.06			.02						.15			.08			3.20
pper Tract	do	T.	.19	.40				T.					1.26									T.			.15								2.00
ardensville ‖‖	do			.73			T.			1.15	.06	.58	.02		.04		.08	.88							.12		.67		.04	.16			4.53
Northern Division																																	
berdeen	Monongahela	.02	.35	.40	.04	.04				.89	1.05		.03				2.05	.09			T.			.17	.43	.60			.09	.08			6.33
lma (near)	Ohio		.37	.42	.24	.01						.10	.18			.27	2.35							.10	1.32				.08				5.44
lpena	Monongahela	T.	.38	.63	.02	.23					.82		.11			.70	2.44	.46			.07			T.	.28	.40			.08				6.62
enson	do		.25								2.15		.05			.45	1.95	.22			.11			.50	.53				.15				6.36
ens Run	Ohio		.17	.38	.21	.04					.35	.26	T.	T.		.31	2.13						.46	.80	.17	.15			.12				5.55
rownsville	Monongahela	.05	.70	.40	.15						1.42						1.92							.25	.25	1.36			.09	.11			6.70
ruceton Mills	do																																
uckhannon	do	T.	.38	.66		T.					1.48		T.			.96	1.93							.25	.55	.33							6.54
airo	Little Kanawha		.67	.64							1.62				.01	.25	2.77	.20							1.42	.18			.03				7.79
larksburg‖‖	Monongahela			.64	.02		.03						.55				1.00	2.65			.01				.75	.76	.01		.08	.03			6.53
rawford‖‖	do	.13	.93	1.20	.05	.10					.50		.01			.09	1.44							.94	.54	.42	T.	.08					6.43
reston‖‖	Little Kanawha		.70	.60								1.15	2.10				1.05	1.16						.28	.05	.10			.05				7.24
am 10, Mon. R.‖‖	Monongahela			1.11									.08		1.17		.54	.98			.03				.49	.09			.12				4.61
am 13, O. R.‖‖	Ohio			1.40								.02	.08		.48		1.25	.85							1.45	.12			.05	.03			5.73
am 15, Mon. R.‖‖	Monongahela			.77						.07			T.				.58	2.01						T.	.58	.17			.05	.14			4.37
avis ‖‖	do		.15	.40						T.		.70				.30	2.20	.10							.30		.30				.16		4.61
lizabeth(D'm 3 LK)	Little Kanawha		.52	.46			.02					1.90	.11				2.32	.50						.18	1.20	.14			.04				7.39
lkins***	Monongahela	.03	.45	.75		.37					.14		.16			.18	1.79				.09		.01	.04	.50	.38			.04				4.93
airmont‖‖	do					T.			T.			.02				1.08	1.44								.20				.10				2.84
lenville ‖‖	Little Kanawha		.16	1.52			.04					1.98	.04	.05			1.00	.97							.20	.22	.06		.04				6.28
rafton ‖‖	Monongahela		.14	.58		.08				T.	.05	T.				.50	3.00							T.	1.20	.20			.40				6.15
orner	do		.50	.60		.10					.90						1.82						.05	.10	.35	.50							4.92
orton	do	.04	.42	.74		.43					.08					.49	1.32	.28			.37				.13	.37			.10				4.77
anelew (near)	do		.20	.25							.75						1.90	.10						.35	.65	.45				.20			4.85
ost Creek	do	T.	.25	.42	.04	.03					.12	T.	T.	T.		.90	1.68				.14			.25	.37	.08			.08	T.			4.36
annington	do		.12	.74	.04	T.						.08	.02			.23	1.96							.03	.75	.03			.12				4.12
organtown	do										T.		T.	T.	1.20	.20	1.30	1.30	.10				.67		.50				.25				5.52
ew Cumberland‖‖	Ohio			1.32	.03					.58	.02	1.22	.17	1.00	.13		.73	.33			.22				.33	.60			.07	.14			6.89
ew Martinsville	do		.76	.72	.15							.39				.76	2.60								.92	.15			.10				6.55
arkersburg***	do	.04	.43	.29		T.				T.	T.	.12		T.		.51	1.47			T.			.26	1.13	.40				.04				4.69
arsons	Monongahela	.08	.45			T.				T.	.25					.20	2.55								*	3.00			.06				6.59
arsons No. 2	do		.52	.80		T.				T.	.12			.22		.21	2.34				.10			.08	.59	.62			.07				5.67
hilippi	do			.96	.14		.06								.60		.98	.99			.10			.08	.10	.85			.04				4.90
ickens	do	.30	.60	1.00	.20						.46		.18			.15	1.75							.27	.65	.40			.05				6.01
oanoke	do	T.	.74	.30	.23	.13					1.34		T.				1.90						.05		.74	.90			.07	.10			6.50
aint Marys‖‖	Ohio	.48	.08				.02						T.	.02	T.	.02	1.77	1.24						.76		.37			.04	.03			4.83
erra Alta	Monongahela		.26	.90		.05				.40		.10	.06	.30		.40	3.90				.46				.40	.01			.30				7.54
homas ‖‖	do			1.07							.07	.05	.02	T.	.09		.62	1.60								.75	.04			.22			4.53
alley Chapel	do	.05	.42	.66		T.					1.31						1.75	.26			T.			.23	.38	.19			.05	.07			5.37
andalia	do	.05	.80	.80	.20						.61					.14	1.85								.27	.55	.72			.12			6.11
ellsburg	Ohio		.18	1.29						.08		.67	.30	.51			T.	1.19			.38				.80				.15				5.55
est Milford	Monongahela		.35	.45							.15		.35			1.15	1.35	.40							.25	.97	.33	.05	.10				5.90
eston	do		.31	1.00	.09	T.	.02					.42		.05			.94	.89						.23	.18	.98		T.	.09	.10			5.30
heeling(Dam 12)‖‖	Ohio			1.60									.07	T.	.24		1.50	.75						T.	.55	T.			.18	.03			4.92
oodlands‖‖	do			1.38	.35	T.								.28			.90	1.16							2.16	.95			.05	.04			7.27
Southern Division																																	
rbovale	Great Kanawha	.15	.35	.48		.06					T.	T.	.02			.06	1.90					.12		.12	.11	T.							3.37
ancroft ‖‖	do		.74	.64		.04					.18	3.26	.55					.49				.12			.05								6.07
eckley	do	.28	.58	1.80	.10	.11					.12	.05	.10	.15		.18	.54	.22			.34	.10		.45	.31	.32	.29		T.				6.04
luefield	do	.25	.73	.43	.02			.50			.24			.16	.08		1.02	.10	.76			.04		.20	.28			1.03					5.84
harleston(Dam 6)‖‖	do		.13	1.05	.30							1.69			.08		.50	.54								.74							5.03
lay‖‖	do		.39	1.47	.05							.42	.64	.20	T.		.66	.99			.21	.03	.01		.76	.83				T.			6.66
am 19 O. R. ‖‖	Ohio		.28	.46	T.	T.	T.				T.	.03	.20				1.04	.74			T.			.20	.23	.47			.02	.01			3.68
am 20 O. R. ‖‖	do		.45	.29							T.		.18				1.45	.65							.35	.10			.02				3.49
am 25 O. R. ‖‖	do		1.15	.13	.10		.06				.61		.19				1.55	.83						.03	.08	.71			T.				5.44
am 26 O. R. ‖‖	do	.06	1.35	.45	.19						1.37	.22	.83		.06		.16	1.05								.20							5.94
urbin	Great Kanawha		2.50	.80			.05		.05			.02	T.				.06	.94				.06	T.		.13		.30			.05			4.96
ary ‖‖	Big Sandy	.05	.35	1.08	.51		.02	.16	.40		.10	.05	.03	.01	.46	.01	.01	.98	.05				.04		.20	.63	1.49						6.63
inton‖‖	do	T.	.69	.74	.70		T.					.21	.63	.04	.02		T.	.41	.02		.07		.03		.58	.05	1.20	.02					5.41
untington	Ohio	.77	.27	1.37	1.08						.55	.34		.54	.27	T.	.84					.01		.02	.09	T.							6.15
anawha Falls‖‖	Great Kanawha		.83	.98	.46			T.			.03	.80	.37	T.	T.		.56	1.54				T.		.09	.20	.32	.14		T.				6.32
ayford‖‖	do	.28	.18	1.17	.83							1.33	.23		.33		.45	1.39				.12	.05		.26	.04	.70						7.36
ingston	do							.50						.40					.36					.65				.15					2.06
ewisburg	do	.68	.35	.68				T.					T.	T.	T.		1.53								.19		.81						4.24
ogan‖‖	Guyandotte	.48	.10	1.50	.61						1.04	.92	.14		1.08		.70	1.14				.04			.55		.34						8.64
adison	Great Kanawha	.40	.82	.82	T.					.27	1.32	.23		.48		.55	1.02	T		T.	.07	T.		.34	.03	T.							6.35
arlinton	do	T.		T.													1.08				T.	.24			.10			.14					1.56
oint Pleasant‖‖	Ohio		1.40	.34	.04		.02				.88	.18					1.92	.40						.02	.02	.40							5.62
ainelle	Meadow Creek	.16	.36	1.16	T.		T.				.03	.19	.16	.01	T.	.05	1.40	.18				.05		.37	.21	.46	.02						4.81
avenswood(Dam 22	Ohio‖‖		.45	.40	.03						.21	.24	.25				.90	1.40							.40	.22							4.50
ichwood	Great Kanawha	.22	.64	1.06		.05					.12	.11	.50	.01			2.32	.15			.25	.10		.37	.67	.05							6.62
obertsburg‖‖	do	.11	.65	.48	T.	T.	.05				.24	1.44	.60				.56	.46							.02	.64		.02					5.27
yan	do		1.00	.40		.01					2.52		.21			.75	1.15							.02		1.16							7.22
harples‖‖	Coal River		.30	.65				.15			1.41	.82		.43			1.41	.92			.30												6.39
pencer ‖‖	Great Kanawha		1.00	.41			.03					.82					.61	1.60								.13	T.		.02				4.62
mmersville	do		.62	1.31	.02							.30	.23	.35				1.55			.08	.05			.50	.15	.08						5.24
tton	Gauley	.25	.50	.85		.10					1.15						1.25					.10			1.20	.15							5.55
nion	do	.45	.55	.37										.25			.55					T.		T.	.58	T.		.40					3.15
ayne ‖‖	Big Sandy	.07	.90	.82	.50						.66	1.01		.14	.28		.06	.68				.05			.06								5.23
hite Sulpr. Spgs.‖‖	Great Kanawha	.75	.85	.25										.15		.75	.60	.25	.20						.25	.45	.10						4.60
illiamson‖‖	Big Sandy	.20	.10	2.72	.16						.88	2.60	.09	T.	T.		.55	.59				T.	T.		.48	.46	.45						9.28

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

arksburg { Evaporation	.234	.114	.186	.152	.222	.074	.155	.189	.222	.123	.088	.099	.122	.156	.199	.099	.058	.156	.189	.214	.240	.153	.114	.119	.162	.051	.200	.177	.153	.111	.122	4.686
Wind movement	66	15	36	56	26	14	16	12	24	34	31	4	24	32	24	31	21	14	11	39	44	22	29	14	24	10	29	19	38	20	27	806

Daily Temperatures for August, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	80	80	78	79	78	80	83	82	81	80	79	80	84	84	81	71	79	83	81	72	76	78	79	78	75	71	78	72	66	68	70	77.6
	Minimum	44	53	58	56	48	45	46	54	55	64	61	65	60	60	57	56	59	55	52	55	50	46	59	62	62	57	38	47	35	35	35	52.5
Brandywine	Maximum	85	82	88	89	82	86	87	86	87	94	90	91	92	94	93	85	86	87	88	85	84	88	86	87	87	80	80	81	75	70	74	85.5
	Minimum	64	65	63	61	54	53	57	62	62	57	60	62	65	66	49	60	59	66	61	54	52	50	62	66	65	65	44	52	42	44	42	57.5
Kearneysville	Maximum	86	82	90	90	86	81	84	85	82	94	89	78	73	93	91	72	81	81	84	82	75	85	83	91	82	81	83	79	74	74	74	82.7
	Minimum	61	68	64	64	62	52	55	63	66	67	73	69	61	67	67	66	66	63	61	69	55	55	64	70	68	65	52	60	49	44	41	61.5
Martinsburg*	Maximum	88	85	92	88	90	87	87	79	95	89	85	75	96	95	95	71	83	82	95	86	77	88	85	92	83	83	87	80	77	77	..	85.7
	Minimum	62	68	64	66	62	54	67	67	69	71	60	58	65	66	67	66	65	64	62	68	57	54	65	69	70	55	51	60	51	45	43	61.6
McNeill	Maximum	87	88	89	87	87	87	91	91	83	91	87	88	78	94	94	79	87	87	94	83	82	89	85	89	85	84	86	85	80	76	78	86.2
	Minimum	50	60	64	64	53	48	52	52	62	67	65	67	63	65	61	61	64	64	58	65	54	50	62	66	64	66	44	42	41	41	39	57.2
Piedmont	Maximum	82	81	82	82	77	83	85	86	84	86	82	72	78	91	88	71	84	83	87	78	76	85	80	83	81	76	80	76	71	71	73	80.5
	Minimum	54	64	63	61	67	58	59	63	64	70	70	48	63	66	65	64	66	66	63	62	53	54	64	66	66	64	46	56	45	42	43	59.8
Romney	Maximum	90	84	87	87	87	86	92	90	87	91	86	87	80	95	92	79	87	85	93	87	80	88	83	86	83	82	86	80	74	74	76	85.3
	Minimum	54	62	64	62	57	50	53	62	64	69	68	69	54	59	55	55	57	64	63	67	55	55	55	65	66	65	46	55	46	43	43	58.1
Upper Tract	Maximum	82	86	89	88	86	81	89	88	87	88	89	87	88	93	90	82	84	86	91	82	80	87	87	84	84	84	84	..	..	80	78	85.7
	Minimum	50	60	64	64	53	52	63	67	62	65	64	64	65	66	64	61	64	64	58	61	54	51	64	65	63	65	50	..	..	44	42	59.6
Wardensville	Maximum	84	83	87	85	84	81	82	85	81	85	83	84	80	82	88	78	65	82	87	78	73	74	..	84	87	82	..	78	76	70	69	80.6
	Minimum	54	64	64	64	55	51	55	63	66	68	69	61	62	64	63	54	54	62	61	54	52	52	..	61	65	..	47	54	45	46	44	57.7
Northern Division																																	
Alpena	Maximum	75	76	74	77	72	76	83	82	86	78	79	76	83	84	77	68	76	80	80	72	74	75	80	74	74	69	71	69	65	69	71	75.6
	Minimum	47	57	58	60	48	53	49	55	57	64	57	64	57	62	61	54	58	58	54	57	49	46	60	66	62	58	49	47	41	36	36	54.2
Bens Run	Maximum	90	83	82	89	86	85	92	96	94	86	85	88	93	94	91	80	88	91	89	84	84	87	71	81	78	81	85	81	74	77	85	85.5
	Minimum	61	70	65	65	65	60	64	67	75	74	71	72	72	70	68	68	67	66	64	59	58	62	64	69	65	60	54	61	53	48	55	64.3
Buckhannon	Maximum	79	80	80	84	77	80	85	87	86	80	81	82	85	84	85	74	82	83	84	80	79	80	82	80	79	75	75	70	66	72	78	79.8
	Minimum	59	65	64	66	58	65	60	64	65	70	64	67	67	69	65	66	66	60	69	63	56	54	65	67	67	62	48	55	49	46	48	61.6
Cairo	Maximum	85	77	83	85	84	87	90	91	93	93	82	87	88	89	89	89	85	89	89	86	81	83	83	87	82	85	85	83	79	73	77	85.1
	Minimum	54	64	64	64	54	53	58	64	70	70	67	70	67	65	65	68	65	61	59	53	57	55	63	68	67	58	46	58	50	41	49	60.2
Clarksburg *	Maximum	86	81	80	79	80	85	87	94	92	82	89	86	89	90	87	75	84	86	87	77	81	82	88	82	78	76	82	75	69	76	82	82.8
	Minimum	53	63	63	62	56	53	56	61	68	72	65	68	67	70	67	65	65	61	60	55	56	55	61	67	66	61	48	58	49	42	47	60.0
Creston	Maximum	84	85	83	87	84	85	92	92	93	88	88	87	89	88	87	78	88	89	87	85	83	82	80	86	82	79	82	80	74	77	84	84.8
	Minimum	56	64	60	64	59	67	61	65	69	69	66	69	67	66	65	66	67	60	59	53	58	55	64	67	66	62	66	58	50	42	50	61.6
Elkins	Maximum	79	80	81	81	75	79	86	86	85	80	81	80	84	85	83	74	81	82	84	75	78	78	85	80	77	72	77	71	66	71	76	79.1
	Minimum	55	60	61	59	55	60	57	63	68	64	63	66	65	64	60	62	63	59	57	55	54	52	63	67	66	51	46	51	46	43	44	58.0
Fairmont	Maximum	87	86	84	88	86	88	91	94	95	85	86	90	89	92	90	78	87	89	89	81	84	87	89	82	79	80	85	79	74	79	84	85.7
	Minimum	56	65	65	63	60	54	58	64	70	73	68	69	69	71	69	66	65	64	60	59	54	58	63	67	66	61	49	61	50	43	49	61.6
Glenville	Maximum	83	85	86	89	88	88	94	95	93	81	88	87	91	91	92	90	88	90	90	87	83	83	91	85	86	81	85	84	80	80	86	87.4
	Minimum	57	64	62	65	60	62	62	63	68	69	65	66	67	66	65	65	65	62	60	53	56	54	63	66	66	62	50	55	50	44	49	60.7
Grafton	Maximum	84	82	81	86	82	82	91	91	90	87	81	85	87	89	87	76	85	87	86	81	80	80	85	81	78	79	82	76	66	76	83	82.8
	Minimum	54	62	63	62	56	56	58	63	67	70	66	68	68	66	66	65	66	61	59	57	55	55	63	68	67	62	48	60	48	44	48	60.4
Lost Creek	Maximum	80	82	81	81	82	83	88	85	92	84	84	83	85	84	79	74	85	80	81	81	77	77	76	80	76	75	79	79	73	70	79	80.5
	Minimum	62	62	61	62	65	55	56	60	69	70	65	66	65	68	64	64	63	60	58	52	55	53	61	65	66	60	45	50	49	40	44	59.2
Mannington	Maximum	82	80	79	79	81	80	85	88	88	84	80	82	85	85	85	75	79	83	83	81	76	79	82	80	76	73	75	73	66	71	76	79.7
	Minimum	52	62	64	60	57	50	54	60	67	69	67	68	68	68	66	65	65	61	57	54	51	55	61	67	65	59	47	58	47	40	46	59.0
Morgantown	Maximum	85	79	84	86	84	88	85	90	88	90	92	93	88	90	88	72	90	90	87	84	85	84	85	88	85	84	84	78	74	70	86	85.0
	Minimum	63	52	60	63	52	52	52	67	70	65	68	67	65	67	65	64	60	60	58	55	56	54	56	50	50	52	49	50	45	45	42	57.2
New Cumberland*	Maximum	88	84	84	84	83	83	90	92	93	90	77	83	90	81	83	78	84	89	87	74	82	83	78	80	76	77	80	71	69	68	80	82.0
	Minimum	53	62	65	58	60	51	55	60	67	73	66	61	66	65	64	66	63	62	62	54	47	56	58	63	58	51	50	54	48	43	47	58.3
New Martinsville	Maximum	86	83	85	87	87	87	82	95	96	86	84	90	93	93	87	78	88	91	91	83	83	82	82	82	80	81	83	76	72	77	84	85.0
	Minimum	54	67	64	62	60	55	60	62	75	71	70	72	70	70	69	66	66	65	62	59	52	59	62	68	65	57	51	61	52	55	50	62.3
Parkersburg	Maximum	82	85	82	85	84	84	90	91	95	81	83	88	91	90	90	81	85	87	87	80	81	84	82	83	75	78	82	77	70	73	81	83.5
	Minimum	61	69	65	66	64	62	63	70	76	72	70	72	71	69	69	69	65	63	61	61	58	60	64	70	66	58	50	60	53	49	54	63.9
Parsons	Maximum	83	82	83	84	80	83	90	87	90	89	85	83	88	90	86	72	85	88	87	79	80	82	83	82	82	77	84	72	72	76	78	82.6
	Minimum	55	60	61	60	55	61	58	62	64	68	64	68	67	64	60	62	63	61	60	56	54	54	64	67	66	56	49	51	48	45	46	59.0
Pickens	Maximum	79	75	76	70	78	78	86	87	85	79	88	77	82	84	85	69	78	84	83	77	..	80	84	74	76	72	79	74	70	75	77	78.7
	Minimum	50	58	59	52	52	54	55	60	63	60	59	60	61	59	58	60	60	54	55	53	..	51	59	63	60	52	43	49	40	39	45	54.8
Terra Alta	Maximum	78	72	72	75	75	76	82	81	78	72	75	74	79	82	76	67	76	79	77	69	71	71	75	72	65	68	74	71	61	63	67	73.3
	Minimum	51	57	59	55	56	48	52	52	63	65	64	65	64	64	64	60	59	59	54	55	50	55	60	65	61	57	61	53	39	40	39	56.3
Wellsburg	Maximum	90	85	84	86	86	84	89	94	94	92	81	85	91	88	89	84	80	86	89	82	83	83	80	81	79	79	82	75	71	74	81	84.1
	Minimum	50	62	63	56	60	43	50	54	72	70	70	68	66	65	65	64	67	60	58	53	46	56	65	67	60	49	44	58	46	37	43	57.6
Weston	Maximum	88	82	84	90	89	90	94	92	94	92	89	90	91	94	92	89	89	90	92	86	84	82	91	90	80	80	85	82	79	80	85	87.6
	Minimum	59	65	64	61	59	61	66	65	70	71	68	69	67	70	69	62	64	61	58	59	59	56	64	68	67	64	49	58	51	45	49	61.9
Wheeling(Dam 12)	Maximum	87	82	82	84	85	85	90	93	92	84	77	85	92	89	87	78	85	90	87	77	81	83	78	80	78	79	81	75	70	73	80	82.9
	Minimum	55	66	65	50	62	51	57	62	70	70	71	69	68	67	67	66	65	63	62	55	49	58	59	62	57	54	41	50	50	44	48	59.6
Southern Division																																	
Beckley	Maximum	73	79	78	84	82	81	86	84	87	80	85	82	82	86	84	75	80	84	82	76	71	80	84	79	77	73	77	76	71	73	73	79.5
	Minimum	58	61	60	64	56	55	62	61	62	65	62	63	63	60	59	62	62	63	60	61	61	52	58	62	64	59	42	49	44	42	50	58.1
Bluefield	Maximum	79	80	81	83	..	85	82	82	86	82	84	..	88	84	85	80	83	83	..	85	76	77	81	81	78	..	78	77	75	70	71	80.6
	Minimum	63	63	62	65	..	58	68	63	67	68	65	..	65	64	64	67	65	65	..	64	58	59	62	64	65	..	49	56	53	52	55	61.8
Charleston	Maximum	83	89	87	86	84	88	94	96	99	84	87	91	91	98	92	82	88	87	90	80	82	86	91	87	81	78	82	79	74	79	84	86.4
	Minimum	65	70	69	67	68	64	64	66	71	71	69	69	70	67	67	68	70	65	65	63	62	52	61	64	68	66	51	51	52	49	49	63.6
Gary *	Maximum	73	84	84	86	80	84	88	87	89	79	83	86	90	86	86	85	84	85	85	79	71	80	86	82	80	75	79	78	76	75	77	82.0
	Minimum	65	65	65	65	65	64	67	67	65	68	68	68	68	67	65	67	69	68	65	71	61	60	63	65	68	58	55	56	56	52	51	63.8
Hinton *	Maximum	76	85	85	90	81	86	90	91	95	85	85	89	87	94	91	82	92	90	89	84	70	86	86	81	84	80	85	84	79	73	78	84.9
	Minimum	65	67	68	66	65	63	64	66	66	68	68	69	70	67	68	68	66	68	67	70	62	58	59	67	68	66	54	55	55	55	53	64.2
Huntington	Maximum	84	89	87	90	86	88	92	96	93	90	87	93	90	91	92	82	88	90	87	85	83	87	85	87	83	82	84	84	76	78	86	86.9
	Minimum	65	71	67	71	67	66	69	71	75	71	71	73	71	69	69	71	69	66	66	61	63	63	66	70	69	65	53	62	54	49	55	66.1
Lewisburg	Maximum	87	80	81	87	79	82	82	83	86	79	83	85	87	91	90	82	90	88	87	84	86	88	86	84	82	80	80	80	76	77	80	83.6
	Minimum	62	64	63	66	59	56	61	62	65	67	62	63	66	63	61	64	59	65	65	51	56	60	60	59	60	59	57	43	40	40	42	58.7
Madison	Maximum	78	87	84	89	80	86	91	93	93	81	88	88	89	90	91	78	87	88	87	81	81	86	88	88	84	80	82	81	76	81	84	85.2
	Minimum	65	65	64	66	64	65	67	67	67	67	69	70	64	68	67	68	65	64	60	60	58	65	67	69	65	52	55	52	48	51	55	62.9
Marlinton	Maximum	82	74	76	86	84	78	76	74	78	82	80	84	84	88	84	78	78	78	76	72	68	76	74	76	78	72	68	72	66	68	64	76.3
	Minimum	54	64	60	60	62	54	58	58	58	62	60	62	62	66	56	58	62	60	62	60	54	60	62	60	66	52	54	48	42	42	46	57.5
Point Pleasant	Maximum	84	86	83	88	85	84	91	94	95	92	84	88	88	92	90	78	86	89	86	83	81	85	82	84	80	78	84	84	78	76	84	85.2
	Minimum	59	65	63	67	61	60	65	66	69	68	67	69	68	64	66	67	65	63	60	54	56	54	59	68	64	60	50	59	52	45	50	61.4
Rainelle	Maximum	73	79	79	85	81	81	82	83	88	88	85	82	84	87	86	72	82	83	84	80	80	81	82	80	79	73	79	76	72	69	80	80.5
	Minimum	55	62	61	61	56	56	54	53	59	64	61	62	63	64	63	59	62	58	57	63	54	48	57	62	61	61	43	46	46	45	43	56.7
Ravenswood	Maximum	85	85	87	88	88	87	94	92	93	96	96	90	91	92	92	87	89	88	89	90	90	84	85	86	86	79	83	86	75	76	84	87.5
	Minimum	59	68	67	57	62	62	63	58	74	68	69	71	69	67	67	58	65	53	59	68	54	59	64	70	66	63	49	61	54	49	54	62.2
Richwood	Maximum	83	79	87	83	80	82	82	85	90	90	84	85	85	86	85	83	82	80	88	76	74	80	84	79	77	74	78	79	75	70	74	81.3
	Minimum	62	51	48	50	45	52	57	64	66	69	61	65	65	64	60	64	65	62	57	63	56	52	61	66	63	62	45	50	46	43	55	57.7
Robertsburg*	Maximum	83	90	88	89	84	88	94	95	95	84	87	89	91	94	91	79	87	90	90	80	84	85	86	87	85	87	86	82	78	82	87	87.0
	Minimum	61	68	66	67	64	63	66	69	71	70	69	70	70	68	69	70	68	64	61	57	62	59	66	67	70	64	60	63	57	47	53	64.5
Ryan	Maximum	80	80	80	85	75	80	85	88	90	75	85	85	85	85	90	80	85	87	90	80	85	85	85	87	80	80	80	80	75	80	80	82.8
	Minimum	60	56	60	62	55	60	66	65	60	60	63	65	63	62	61	63	63	56	55	51	55	52	61	62	62	41	43	52	51	45	41	57.1
Spencer *	Maximum	71	83	83	86	83	84	92	93	91	76	84	88	87	89	89	77	86	87	87	80	81	82	88	86	75	78	83	80	78	77	83	83.5
	Minimum	59	66	66	66	67	68	63	65	73	72	68	68	69	68	68	69	66	62	60	54	61	57	60	67	69	64	49	54	54	44	53	62.9
Sutton	Maximum	85	81	81	85	85	82	89	91	92	92	84	84	90	90	90	82	85	87	87	84	80	80	80	83	83	78	81	81	78	76	84	84.2
	Minimum	57	69	63	68	59	58	59	60	65	70	65	66	67	66	65	66	65	67	61	64	58	55	65	62	60	56	50	56	51	46	50	60.9
Union	Maximum	68	76	78	85	..	80	80	83	84	84	84	..	83	85	88	88	86	81	..	81	81	80	80	77	74	..	78	78	78	73	67	80.0
	Minimum	63	64	64	67	..	56	62	64	65	69	65	..	64	64	61	65	64	67	..	64	58	64	62	62	64	..	46	55	51	53	46	61.1
White Sulphur Spgs.	Maximum	84	84	84	87	84	85	83	85	90	83	86	86	89	90	89	86	87	84	88	85	81	84	86	87	85	84	84	82	79	75	76	84.6
	Minimum	61	60	62	61	53	62	64	64	65	64	64	63	62	66	61	63	63	65	64	61	50	52	60	63	61	54	51	50	50	49	50	59.3
Williamson*	Maximum	78	88	89	90	81	85	92	94	94	78	84	88	90	91	90	82	86	88	87	82	78	86	86	85	85	78	80	80	77	79	82	84.9
	Minimum	68	67	67	67	68	67	69	70	69	70	69	70	73	70	71	72	71	70	68	68	65	63	68	68	71	68	58	58	57	54	57	66.8

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 10-2-34—900)

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WWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

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R. P. POWELL

VOL. XLII PARKERSBURG, W. VA., SEPTEMBER, 1934 No. 9

GENERAL SUMMARY

The month was warm and unusually wet, with the temperature extremes well within previous September records. Precipitation occurred frequently and was well distributed throughout the month, the greatest amounts being received in sections of the mountain and extreme northeastern counties, and the least in the western and central districts. The rainfall on the 29-30th, was somewhat heavy in all sections of the State. With the exception of two or three short periods, the temperatures were continuously above the normal, the highest readings occurred generally on the 25th. There were scattered light frosts in the mountain districts, but practically no damage resulted and growth continued until the close of the month, when the corn crop was safe. The weather was mostly favorable for harvesting and farm work. At the close of the month, corn cutting was about completed and many fields were in shock; late potatoes were being dug with fair yields; buckwheat harvest was in progress; apple-picking was general and in many sections completed, and seeding of winter wheat and rye was somewhat general.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 69.0°, or 2.5° above the normal. Moderately high temperatures prevailed on the 1st and 2d, 7th to the 15th, and from the 20th to the 26th, with the highest readings generally on the 24th or 25th. The temperature was below the normal from the 3d to the 6th, 16th to the 19th, and on the 27th and 28th, and light frosts occurred in a few of the mountain districts on the 3d. The highest monthly mean was 72.4° at Huntington, and the lowest, 60.7° at Alpena. The highest temperature was 94° at Creston, Glenville, Valley Chapel, and Weston, on the 25th, and the lowest was 33° at Bayard and Alpena on the 3d. The greatest daily range was 49° at Ryan on the 28th.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 4.19 inches, which was 1.26 inches more than the normal. There were three well-marked periods of precipitation, from the 4th to the 8th, 12th to the 16th, and from the 27th to the 30th, the greatest amounts being recorded on the 16th and 29th. The greatest monthly precipitation was 7.19 inches at Martinsburg, and the least, 1.86 inches at Bens Run. The greatest amount in any 24 consecutive hours was 2.85 inches at Grafton on the 29th. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 19th, 24th, and 26th; Arbovale, 1st, 2d, 5th, 6th, 10th, 15th, 18th, 19th, 23d, 24th, 26th, and 28th; Bancroft, 6th, 8th, 10th, 14th, 16th to the 24th, and 28th and 30th; Beckley, 19th; Bens Run, 6th, 8th, 9th, 10th, 17th, 18th, 20th, 23d, 25th, and 26th; Buckhannon, 19th and 28th; Elkins, 3d, 6th, 7th, 10th, 11th, 18th, 20th, and from the 23d to the 27th; Fairmont, 18th and 19th; Glenville, 4th to the 10th, and from the 24th to the 26th; Grafton, 19th and 28th; Hinton, 3d, 4th, 6th, 10th, 18th, 19th, 24th, 25th, and 26th; Huntington, 6th, 9th, 10th, and 19th; Marlinton, 9th to the 19th, and from the 23d to the 31st; McNeill, 2d, 6th, 18th, 19th, 23d, and 24th; New Cumberland, 9th, 10th, 11th, and from the 17th to the 21st; Parkersburg, 6th, 9th, 10th, 18th, 19th, and 23d; Rainelle, 17th, 18th, and 22d; Romney, 11th and 19th; Wellsburg, 18th, 19th, 24th, and 28th; Williamson, 5th, 8th, 10th, and 19th.

Hail, light: Huntington, 25th; Romney, 26th.

Thunderstorms (dates and number of stations reporting): 7th, 3; 8th, 1; 11th, 1; 12th, 3; 13th, 4; 14th, 3; 15th, 1; 16th, 1; 17th, 1; 19th, 1; 21st, 1; 22d, 1; 23d, 1; 24th, 2; 25th, 6; 26th, 5; 27th, 4; 29th, 8; 30th, 4.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.04	30.33	30	29.72	4	6.3	18	sw.	3	87	52	63	71
Columbus, Ohio	30.04	30.29	30	29.71	4	8.8	29	sw.	11	84	57	64	66
Elkins	30.11	30.41	1	29.78	4	4.1	28	w.	29	95	57	84	50
Parkersburg	30.08	30.34	1	29.81	4	4.8	18	sw.	27	86	57	73	70
Pittsburgh, Pa	30.06	30.33	1	29.75	4	7.4	30	nw.	27	87	64	67	59
Wytheville, Va	30.03	30.38	1	29.78	16	4.0	20	w.	27	91	60	78	47

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	66.8	+0.3	......	......	1.66	-1.27	......	......	......	......	......	......	...
1892	64.4	-2.1	92	32	2.57	-0.36	......	......	......	6	......	......	...
1893	65.0	-1.5	91	29	2.28	-0.65	4.50	1.05	......	6	......	......	...
1894	67.8	+1.3	98	31	2.50	-0.43	4.75	1.25	......	6	12	11	7
1895	70.3	+3.8	107	29	1.70	-1.23	4.25	0.42	......	4	17	8	5
1896	65.2	-1.3	95	22	4.59	+1.66	9.04	1.58	......	7	14	9	7
1897	66.4	-0.1	103	27	1.14	-1.79	4.00	0.02	......	3	22	6	2
1898	67.6	+1.1	97	33	2.42	-0.51	4.75	0.80	......	6	16	10	4
1899	64.0	-2.5	100	26	3.65	+0.78	6.35	1.65	......	8	14	9	7
1900	71.1	+4.6	100	35	1.92	-1.01	5.50	0.34	......	6	14	10	6
1901	64.8	-1.7	95	27	3.35	+0.48	7.64	1.46	......	8	13	8	9
1902	64.8	-1.7	98	25	2.98	+0.05	4.81	1.23	......	9	12	9	9
1903	64.7	-1.8	97	25	1.30	-1.63	2.78	0.10	......	4	21	6	3
1904	67.0	+0.5	95	25	1.76	-1.17	4.55	0.53	......	6	16	10	4
1905	65.6	-0.9	97	29	2.21	-0.72	4.21	0.54	......	4	18	8	4
1906	69.9	+3.4	97	38	3.25	+0.32	5.44	0.57	......	9	12	10	8
1907	66.3	-0.2	93	30	4.41	+1.48	7.10	2.00	......	11	12	10	8
1908	65.9	-0.6	99	24	0.95	-1.98	2.54	0.26	......	3	21	6	3
1909	63.7	-2.8	95	28	2.74	-0.19	8.75	0.63	......	6	15	9	6
1910	68.4	+1.9	97	32	3.50	+0.57	6.04	0.50	......	10	12	11	7
1911	68.8	+2.3	100	32	4.67	+1.74	8.30	1.80	......	11	12	11	7
1912	68.6	+2.1	98	30	3.85	+0.92	9.18	1.13	......	8	17	7	6
1913	64.2	-2.3	100	25	2.88	-0.05	6.38	0.86	......	8	14	7	9
1914	63.2	-3.3	97	24	1.58	-1.35	5.65	0.17	......	5	18	6	6
1915	67.6	+1.1	100	31	3.84	+0.91	7.18	2.00	......	9	16	8	6
1916	63.0	-3.5	99	27	3.71	+0.78	7.88	1.01	......	7	18	6	6
1917	62.4	-4.1	98	28	2.79	-0.14	6.62	1.16	......	7	17	7	6
1918	60.5	-6.0	93	24	2.92	-0.01	4.73	1.37	T.	8	15	7	8
1919	66.0	-0.5	98	31	2.11	-0.82	4.37	0.12	T.	5	18	7	5
1920	66.7	+0.2	96	34	3.14	+0.21	5.38	1.34	......	8	16	7	7
1921	70.9	+4.4	97	39	4.76	+1.83	9.07	1.65	......	12	12	10	8
1922	67.2	+0.7	100	25	2.14	-0.79	5.64	0.10	......	4	21	5	4
1923	66.5	0.0	96	29	3.31	+0.38	5.36	1.00	......	7	16	8	6
1924	60.7	-5.8	100	26	5.96	+3.03	8.97	2.80	......	12	11	7	12
1925	70.9	+4.4	102	34	2.29	-0.64	5.89	0.50	T.	8	14	9	7
1926	68.6	+2.1	98	31	5.35	+2.42	10.57	1.44	......	13	10	8	12
1927	67.0	+0.5	100	24	2.15	-0.78	5.29	0.23	......	5	19	7	4
1928	61.3	-5.2	109	24	2.71	-0.22	6.45	0.81	......	7	14	6	10
1929	66.5	0.0	102	24	2.95	+0.02	6.25	0.57	T.	8	15	7	8
1930	69.3	+2.8	106	29	1.46	-1.47	3.81	0.36	......	7	15	9	6
1931	70.0	+3.5	102	29	3.91	+0.98	6.70	1.45	......	10	16	8	6
1932	66.5	0.0	106	25	1.58	-1.35	4.66	0.10	......	6	18	7	5
1933	70.3	+3.8	98	35	3.71	+0.78	6.81	0.67	......	10	14	9	7
1934	69.0	+2.5	94	33	4.19	+1.26	7.19	1.86	......	9	15	8	7
Period	66.5	......	107	22	2.93	......	10.57	0.02	T.	8	15	8	7

Climatological Data for September, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	61.4	+0.5	82	15†	33	3†	43	4.74	+1.03	2.42	0	11	24	3	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	66.6	+1.9	87	26	39	1†	45	5.40	+3.05	1.85	0	11	21	0	9	sw.	Elmer Keister
Circleville	Pendleton	....	2	....	....	....	....	....	....	....	5.66	....	1.24	0	11	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	....	....	....	....	....	....	....	5.58	+2.88	1.33	0	14	....	....	....	....	J. C. Newcomer
Kearneysville	Jefferson	548	4	68.0	....	88	27	44	1	33	6.66	....	2.08	0	11	15	5	10	e.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	[a]68.0	+1.1	89[a]	4†	45	1†	44[a]	7.19	+4.37	1.75	0	14	21	8	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	67.2	−0.6	89	9	37	1†	48	4.58	+2.08	1.88	0	11	5	9	16	w.	John W. McNeill
Piedmont	Mineral	1,053	21	66.4	+0.7	85	4†	44	19	32	6.70	+4.45	2.03	0	11	14	8	8	se.	C. A. Suter, Jr.
Romney	Hampshire	824	36	68.8	+2.0	91	4	41	1	38	6.83	+4.11	1.85	0	11	12	8	10	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	....	....	....	....	....	....	....	4.41	+1.63	1.73	0	9	10	8	12	w.	A. C. Becker
Upper Tract [f]	Pendleton	1,230	35	70.6	+5.3	90	3	48	19	36	3.38	+1.16	2.60	0	4	....	....	....	....	Mrs. J. M. Mallow
Wardensville [b]	Hardy	1,200	13	65.8	+1.6	84	10	40	1	37	3.53	+0.94	0.76	0	16	14	4	10	....	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	....	....	....	....	....	....	....	4.17	+0.86	1.60	0	8	10	14	6	w.	L. Else Bond
Alma (near)	Tyler	800	7	....	....	....	....	....	....	....	3.70	....	1.98	0	11	14	11	5	....	D. N. Furbee
Alpena	Randolph	2,571	4	60.7	....	80	22	33	3	42	6.35	....	2.04	0	14	13	14	3	w.	Christian Hertig
Benson	Harrison	1,080	10	65.8	−1.1	89	24	38	28	47	3.86	+0.23	2.56	0	5	18	11	1	....	R. D. Marts
Bens Run	Pleasants	652	32	71.8	+3.4	91	2†	48	28	34	1.86	−0.72	1.04	0	9	18	9	3	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	69.0	+1.4	89	24†	42	20†	44	3.05	−0.70	1.05	0	6	18	10	2	....	W. B. Worley
Buckhannon	Upshur	1,411	37	66.8	+2.3	85	3	43	3	42	3.77	+0.64	1.26	0	6	16	11	3	....	H. A. Darnall
Cairo	Ritchie	680	33	67.3	−0.8	92	25	41	28†	38	3.18	+0.19	2.00	0	7	20	4	6	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	68.0	+0.5	91	25	44	3†	43	3.83	+0.23	2.64	0	10	10	14	6	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	11	....	....	....	....	....	....	....	3.73	−0.01	1.59	0	6	18	9	3	sw.	George W. Blair
Creston	Wirt	640	32	69.2	+1.4	94	25	42	28	42	3.40	+0.80	1.74	0	9	15	5	10	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	....	....	....	....	....	....	....	3.68	+0.16	1.76	0	11	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	18	....	....	....	....	....	....	....	5.58	+2.14	2.65	0	10	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	....	....	....	....	....	....	....	3.46	+0.47	1.80	0	11	....	....	....	....	Lockmaster
Davis	Tucker	3,093	25	....	....	....	....	....	....	....	6.13	+2.31	1.33	0	7	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	....	....	....	....	....	....	....	3.42	+0.64	2.56	0	10	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	33	64.6	+1.6	83	26	39	3	38	3.82	+0.67	1.85	0	11	7	10	13	se.	U. S. Weather Bureau
Fairmont	Marion	883	28	70.5	+3.1	93	24†	46	28	41	3.51	+0.68	1.95	0	8	15	8	7	w.	J. C. Robinson
Glenville	Gilmer	738	40	70.0	+1.5	94	25	44	28	44	3.75	+0.40	1.82	0	10	16	5	9	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	68.8	+1.7	92	25	45	3†	39	4.51	+1.63	2.85	0	8	13	5	12	....	W. E. Clayton
Horner††	Lewis	1,044	11	....	....	....	....	....	....	....	4.20	+0.67	1.45	0	5	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	9	....	....	....	....	....	....	....	4.41	+1.77	2.16	0	9	14	8	8	s.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	68.4	+0.8	90	23†	42	3†	43	4.10	+0.86	1.60	0	6	16	6	8	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	65.4	0.0	89	26	39	3†	44	3.37	+0.39	1.90	0	8	18	6	6	w.	Allen Smith
Mannington	Marion	985	31	65.7	+0.8	84	23†	42	20	36	4.85	+1.48	1.69	0	14	13	8	9	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Bruce Davis
New Cumberland	Hancock	671	36	67.7	+2.2	89	26	43	28†	38	1.92	−0.99	0.80	0	9	10	9	11	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	70.6	+2.1	93	24	45	28	36	2.52	−0.37	1.20	0	8	19	5	6	s.	Wm. Ankrom
Parkersburg	Wood	638	47	69.6	+2.3	90	24	45	28	34	3.29	+0.53	1.48	0	12	10	13	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	67.2	+3.5	87	14†	40	3	45	5.05	+1.90	1.75	0	6	10	13	7	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	....	....	....	....	....	....	....	4.08	+0.93	1.94	0	6	24	3	3	....	Robert T. Deem
Philippi	Barbour	1,550	37	....	....	....	....	....	....	....	3.70	+0.32	1.91	0	7	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	31	63.2	+1.4	85	2	35	5	45	5.82	+1.66	1.67	0	10	19	6	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	....	....	....	....	....	....	....	3.59	+0.19	1.00	0	7	19	5	6	....	Miss Mary A. Conrad
Saint Marys	Pleasants	577	25	....	....	....	....	....	....	....	3.85	+0.99	2.07	0	11	....	....	....	....	Wm. Hughes
Terra Alta	Preston	2,559	33	61.2	−0.6	82	15	34	30	31	4.38	+0.67	2.34	0	7	9	10	11	sw.	Guy Hein
Thomas	Tucker	2,950	5	....	....	....	....	....	....	....	6.02	....	2.17	0	11	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	11	[a]67.6	−0.4	94[a]	25	34	20	48	3.57	+0.25	1.28	0	7	14	6	10	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	....	....	....	....	....	....	....	3.38	+0.11	1.45	0	6	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	27	67.7	+2.8	91	24†	40	20†	45	4.65	+1.54	2.12	0	10	18	7	5	....	George P. Pfister
West Milford	Harrison	979	9	....	....	....	....	....	....	....	4.23	+0.96	2.80	0	6	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	70.8	+3.5	94	25	45	3†	45	3.24	+0.27	1.55	0	9	5	21	4	....	A. Henry
Wheeling (Dam 12)	Ohio	659	47	67.8	+0.4	91	23†	43	28	35	4.48	+1.57	1.61	0	15	13	12	5	....	Lockmaster
Woodlands	Marshall	637	7	....	....	....	....	....	....	....	3.16	....	1.60	0	7	19	5	6	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	....	....	....	....	....	....	....	5.77	+3.67	2.00	0	13	15	9	6	w.	H. S. Sutton
Bancroft	Putnam	574	30	70.1	+1.7	89	24†	46	28	34	4.00	+1.07	1.86	0	7	17	6	7	w.	Charles N. Long
Beckley	Raleigh	2,440	31	65.3	−0.9	84	11†	39	18	36	4.61	+2.01	1.79	0	14	9	17	4	....	L. A. Mauck
Bluefield [i]	Mercer	2,558	39	67.8	+1.6	84	24	46	5	34	4.16	+1.59	2.58	0	8	7	9	5	....	Norfolk & Western Ry.
Charleston	Kanawha	600	31	72.2	+1.3	88	24	52	18†	31	2.47	−0.54	0.85	0	11	....	....	....	....	S. E. Damron
Clay	Clay	706	18	....	....	....	....	....	....	....	3.73	+0.58	1.97	0	9	....	....	....	....	Chilton Wilson
Dam 6 G. K.	Kanawha	598	7	....	....	....	....	....	....	....	2.48	−0.36	1.43	0	10	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	18	....	....	....	....	....	....	....	3.48	+0.29	0.95	0	11	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	18	....	....	....	....	....	....	....	4.33	+1.49	1.50	0	12	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	7	....	....	....	....	....	....	....	3.49	....	1.80	0	11	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	18	....	....	....	....	....	....	....	2.59	+0.35	1.54	0	8	....	....	....	....	U. S. Engineers Office
Gary	Mc Dowell	1,426	18	68.1	−0.4	85	11†	47	2†	36	3.66	+0.62	1.09	0	15	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	71.2	+3.2	92	11†	49	3	39	3.12	+0.44	1.67	0	8	24	3	3	....	Mrs. M. L. McClung
Huntington	Cabell	538	37	72.4	+3.4	92	25	48	18†	37	4.05	+1.50	1.74	0	13	11	14	5	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	....	....	....	....	....	....	....	4.33	+1.17	1.18	0	13	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	18	....	....	....	....	....	....	....	6.94	+3.23	2.70	0	11	....	....	....	....	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	....	....	....	....	....	....	....	5.85	....	1.95	0	5	....	....	....	....	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	66.4	+2.1	89	24	40	3	43	4.06	+1.34	2.16	0	5	20	4	6	....	Rose Argabrite
Logan	Logan	700	31	....	....	....	....	....	....	....	4.22	+1.20	2.10	0	7	....	....	....	....	J. R. Wampler
Madison	Boone	675	13	69.8	+2.1	91	24	48	17	36	3.47	+0.01	1.60	0	10	21	5	4	....	W. E. Holy
Marlinton	Pocahontas	2,131	35	64.8	+3.6	78	11	48	1†	24	5.41	+2.32	2.26	0	6	4	18	8	sw.	Miss Virginia Crocket
Point Pleasant	Mason	595	41	68.5	+2.6	89	24†	41	28	39	4.16	+1.74	2.00	0	13	13	13	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	64.6	....	85	11	36	3	43	4.10	....	1.38	0	13	18	3	9	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	70.7	+1.3	92	24	42	28	38	4.10	+1.56	2.01	0	10	19	3	8	se.	Lockmaster
Richwood	Nicholas	2,193	4	65.8	....	84	11†	43	3†	37	4.04	....	1.25	0	13	8	10	12	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	70.9	+2.5	93	24†	45	18	41	3.75	+0.30	1.74	0	8	20	0	10	....	M. Frazier
Ryan	Roane	700	31	66.7	+2.1	90	23†	36	28	49	2.26	−0.73	1.38	0	8	20	6	4	....	Wm E. Ryan
Sharples	Logan	889	14	....	....	....	....	....	....	....	4.47	+1.35	2.30	0	4	....	....	....	....	R. W. Howard
Spencer	Roane	789	30	69.6	+3.1	92	24†	43	18	41	3.37	+0.41	1.51	0	10	16	11	3	....	A. M. McKown
Summersville	Nicholas	1,894	1	....	....	....	....	....	....	....	4.07	....	1.49	0	10	....	....	....	....	Carl Perry
Sutton	Braxton	850	28	70.0	+1.3	92	24†	45	19	41	5.20	+1.77	2.05	0	6	24	0	6	....	C. B. Eakle
Thornwood	Pocahontas	2,723	0	....	....	....	....	....	....	....	4.02	....	1.60	0	6	....	....	....	....	Eva R. Smith
Union [e]	Monroe	2,250	30	66.2	+0.1	85	10†	43	3†	37	3.58	+1.05	1.85	0	4	15	10	0	....	C. B. King
Wayne	Wayne	598	7	....	....	....	....	....	....	....	4.96	....	1.85	0	10	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	67.2	+2.3	86	10†	44	17	36	5.10	+2.01	2.00	0	6	27	2	1	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	70.4	+0.7	86	12†	52	20	31	2.76	−0.19	1.26	0	13	6	18	6	ne.	J. E. Dotson
State averages and	extremes	....	....	69.0	+2.5	94	25	33	3	49	4.19	+1.26	2.85	0	9	15	8	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for September, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac				.08		.07		.28	T.			.03	.12	.11		2.42	.04									T.	.33		.60	.66		4.74
Brandywine	...do			.35		.30			.30	.15			.20			.30	1.85										.30	.10		.60	.95		5.40
Circleville	...do				.12	.84			.17	T.				.18			1.24	1.21						.41			T.	.27	.42	.63	.17		5.66
Harpers Ferry ‖‖	...do				.27				.52	.25				.52	.13	.48	.27	1.33				.10	.39		.01				.04	.48	.79		5.58
Kearneysville	...do			.18			.33						2.08	.20	.06	.41	1.35					.10	.37							.61	.97		6.66
Martinsburg ‖‖	...do				.15	.22			.12	.02				1.75	.20	.60	.30	1.55				.01	.40					.02		.40	1.45		7.19
McNeill	...do			T.	.05	.85		T.	T.	.20			.07	.15	.12		1.88					T.	.13			T.	.35	T.		.18	.60		4.58
Piedmont	...do				.02	.01			.59					.08	1.34	.07	2.03										.79	.06		1.46	.25		6.70
Romney‖‖	...do				.20	.92			.18					.25		1.35	1.85						.12				.92	.12		.30	.62		6.83
Stony River Dam	...do								.33	.09				.06	.06		1.08	1.73										.16		.22	.68		4.41
Upper Tract	...do													.13	.54		2.60													.11			3.38
Wardensville‖‖	...do		.02		.04	.30		.04	.10	.02				.09	.47	.06	.60	.65	.01		.01	.76				.08					.28		3.53
Northern Division																																	
Aberdeen	Monongahela				.02								.16	T.	.06		1.37	.02										.27		.67	1.60		4.17
Alma (near)	Ohio				.06			.08	.49				.05		.15	.03	.28						.25					.14		1.98	.19		3.70
Alpena	Monongahela				.08			T.	.17				.08	1.07	.22		2.04	.05					.20	.02		.48	.37	.07		.49	1.01		6.35
Benson	...do													.30	.16	.80												.04		2.56			3.86
Bens Run	Ohio				.05				.06					T.	.12	.14	.13					.02					T.	.18		1.04	.12		1.86
Brownsville	Monongahela				.04								.37	.25			.84													1.05	.50		3.05
Buckhannon	...do				T.				T.				T.	.20	T.	T.	1.18	T.								.13		.25		1.26	.75		3.77
Cairo	Little Kanawha				.06				.04						.30		.07										.33			2.00	.38		3.18
Clarksburg‖‖	Monongahela				.05				.02						.04	.04	.66	.26					T.					.08	.04	.26	2.38		3.83
Crawford‖‖	...do				.06								.06				1.18											.32		1.59	.52		3.73
Creston‖‖	Little Kanawha								.10						.03	.15	.10	.14									.48	.52		.14	1.74		3.40
Dam 10, Mon. R.‖‖	Monongahela					.02				.11			.01		.12	.04	.22	.76										.14	.31	.19	1.76		3.68
Dam 13, O. R.‖‖	Ohio					.04			2.65						.03	.17	.07	.13									.20		.03	.84	1.42		5.58
Dam 15, Mon. R.‖‖	Monongahela					.05				.03			.01	.03	T.	.05	.32	.39	T.								.35	.03	.22	.18	1.80		3.46
Davis ‖‖	...do							T.	T.					T.	.50	.60	1.00	1.10						1.00						.60	1.33		6.13
Elizabeth(D'm 3 LK)	Little Kanawha					.04			.23				.04		.29		.07	.05									.10	.04		.30	2.26		3.42
Elkins***	Monongahela				.10			T.	.04				.01	T.	T.	.18	1.68	.01						.03		T.	T.	.03	.13	1.16	.45		3.82
Fairmont‖‖	...do				.04							T.	T.	.02	.06	.45	.44											.31	.24	1.95			3.51
Glenville ‖‖	Little Kanawha					.21			T.					.12	.04	.10	.68							T.			.03	.29	.22	.24	1.82		3.75
Grafton ‖‖	Monongahela							.03					.18		.08		1.15	T.								.07		.10		2.85	.05		4.51
Horner	...do												.35		.20		1.45											.95			1.25		4.20
Horton	...do				T.	.81			.05				T.	.15	.04		2.16	T.					.16					.31		.15	.58		4.41
Janelew (near)	...do				.10								.20	.10			1 25													.85	1.60		4.10
Lost Creek	...do				.05				T.				.04	.03	.16	T.	.95	T.								T.		.05		1.90	.19		3.37
Mannington	...do				.01				.04				.03	.03	.40	.03	.71	T.						.03	.49	.68	.06	.42		1.69	.23		4.85
Morgantown	...do																																
New Cumberland‖‖	Ohio					T.			.05					.09	.02	.24	.11	.05											.11	.80	.45		1.92
New Martinsville	...do							.12	.42					.05		.08	.20											.10		1.20	.35		2.52
Parkersburg***	...do				.02			.85	.05			.15	T.	T.	.13	.05	.16	T.								.34	.02	.04		1.47	.01		3.29
Parsons	Monongahela				.10			T.						.80			1.40										.75		1.75	.25			5.05
Parsons No. 2	...do				T.	.08			T.				T.		T.		1.94	.02							T	T.		.16		1.18	.70		4.08
Philippi	...do												.03	.04	.22		.76	.42												.32	1.91		3.70
Pickens	...do				.17									.52	.02		1.67	.08				.82				.06		.18		1.65	.65		5.82
Roanoke	...do				.05								.14				1.00								.65			.20		1.00	.55		3.59
Saint Marys‖‖	Ohio				.03			.15						T.	1.05	.15	.05	.14						.03			.06		.03	.09	2.07		3.85
Terra Alta	Monongahela				.05				.11				T.	T.	.48		1.32	.05								.03		T.		2.34			4.38
Thomas ‖‖	...do					.25									.05	.55	.40	2.17						.06	.09		.52		.15	.30	1.48		6.02
Valley Chapel	...do				.10								T.	.15	.21		.97											.10		1.28	.76		3.57
Vandalia	...do												.20		.23		.97											.12		1.45	.41		3.38
Wellsburg	Ohio				T.				.13				.09	.63	.38	.11	.24	.24										.37		2.12	.34		4.65
West Milford	Monongahela													.19		.10	.84												.10	2.80	.20		4.23
Weston	...do					.10								.12	.25	.08	.80	.07										.06		.21	1.55		3.24
Wheeling(Dam 12)‖‖	Ohio					.01			.79	.01				.26	.10	.15	.13	.02	.21					.08			.02	.06	.07	.96	1.61		4.48
Woodlands‖‖	...do					.02			1.00						.01		.04											.01		.48	1.60		3.16
Southern Division																																	
Arbovale	Great Kanawha			.06	.05			T.	.05				.76	.06	.30	.04	2.00						T.	.43		.40		.02		1.42	.18		5.77
Bancroft ‖‖	...do								.73				.08		.25		.25											.53		.30	1 86		4.00
Beckley	...do				.07	.06		.05	.15				08	.40	.09	.06	1.79	.06							.27			.14		.51	.88		4.61
Bluefield	...do				.13	.30		.01	.16							.07	2.58											.11		.80			4.16
Charleston	...do				.05			.41	T.				.10	.13	.09		.35						.01			.02		.01		.45	.85		2.47
Clay‖‖	...do					.01							.10	.04	.06		.40	.25										.08		.82	1.97		3.73
Dam 6 G. K. ‖‖	...do								.06				.15	.06	.14		.05	.14										.15	.07	.23	1.43		2.48
Dam 19 O. R. ‖‖	Ohio					.01			.95				.28	T.	.08	.58	.36	.02				T.						.08	.02	.18	.92		3.48
Dam 20 O. R. ‖‖	...do					.03			1.43				.21	.13	.02	.10	.45										.21	.10	.03	.12	1.50		4.33
Dam 25 O. R. ‖‖	...do								.20				.08	.02	.02	.46	.12										.29	.12	.28	.10	1.80		3.49
Dam 26 O. R. ‖‖	...do								.16					.05	.10		.28						.10					.23		.13	1.54		2.59
Gary ‖‖	Big Sandy					.12							.09	.27	.44	.01	.75	.04	.11	.01					.01	.01		.06	.26	.39	1.09		3.66
Hinton‖‖	...do					.07										.27	1.67	T	.09						.02			.58	.01	.41			3.12
Huntington	Ohio				.08			.04	.05				.03	.13	.03	T.	.09						.98			.55	.12	.04		1.74	.17		4.05
Kanawha Falls‖‖	Great Kanawha					T.			.42				.10	.30	.48	.05	.58	.40							.18		.08	.03	.29	.24	1.18		4.33
Kayford‖‖	...do					.01		T.					.07	.20	2.30		.36	.18							.24		.05	T.	.37	.46	2.70		6.94
Kingston	...do			.50				1.00							1.90								1.95				.50						5.85
Lewisburg	...do					.18			T.								2.16							.14				.19			1.39		4 06
Logan‖‖	Guyandotte												.03	.83	.39		.20												.22	.45	2.10		4.22
Madison	Great Kanawha				.07			.07				T.	.80	.12		.15							.03					.18	.40	1.60	.05		3.47
Marlinton	...do							T.					.44		.10	2.23	.25													2.26	.13		5.41
Point Pleasant‖‖	Ohio					.02			.20				.04	.02	.02		.40						.20	.12			.70	.28	.04	.12	2.00		4.16
Rainelle	Meadow Creek				.09	.02				.04			.31	.10	.15	.02	1.38	.03	T.					T.	.02			.04		.72	1.18		4.10
Ravenswood(Dam 22	Ohio‖‖								1.16				.02	.02	.22	.01	.02										.25	.11		.28	2.01		4.10
Richwood	Great Kanawha				.04	.20							.37	.15	.10		1.25	.03					.01	.07	T.	.01		.15		.41	1.25		4.04
Robertsburg‖‖	...do					.05			.75					.40	.31		.21											.15		.14	1.74		3.75
Ryan	...do					.04		.01						.15	15		.19										.03			1.38	.31		2.26
Sharples‖‖	Coal River				T.							1.33		.73	.11																2.30		4.47
Spencer ‖‖	Great Kanawha					.11							.47	.14	.17		1.29	.15										.05	.06	.14	1.49		4.07
Summersville	...do					.05			.06				T.	.06	.23		.21							.04			.75	.22		.24	1.51		3.37
Sutton	Gauley								.25				.25				1.45											.65		.55	2.05		5.20
Thornwood	Great Kanawha					.74							.10		.18	1.60								T.					1.00	.40			4.02
Union	Gauley					.90									T.	.20	1.85											T.		.63			3.58
Wayne‖‖	Big Sandy					.11			.02				.03	1.07	.34		.16							.10				.75		.53	1.85		4.96
White Sulpr. Spgs.‖‖	Great Kanawha				.90			.15								2.00	.15													.65	1.25		5.10
Williamson‖‖	Big Sandy					.08			.16				.09	.21	.12		.17	.04	.03					.03				.06	.01	.50	1.26		2.76

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.155	.111	.167	.182	.066	.145	.134	.119	.139	.128	.172	.100	.113	.068	.112	.138	.078	.088	.078	.111	.112	.066	.123	.133	.102	.153	.127	.159	.092	.107	....	3.578
	Wind movement	18	12	13	8	58	17	18	36	17	14	17	10	15	8	15	18	35	18	12	11	18	10	16	10	6	12	23	57	14	45	....	581

Daily Temperatures for September, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	75	78	76	81	78	71	70	76	80	78	81	80	74	80	82	72	71	68	72	76	78	82	81	80	81	82	74	75	74	69	....	76.5
	Minimum	39	40	33	50	35	50	47	58	45	40	46	51	55	56	49	61	45	36	34	33	43	48	52	50	48	46	53	41	48	54	....	46.2
Brandywine	Maximum	80	83	84	86	84	83	82	85	85	86	85	80	82	84	85	82	75	78	77	78	79	85	84	86	85	87	84	80	79	76	....	82.3
	Minimum	39	40	39	42	50	48	46	47	49	52	53	56	55	54	56	57	58	46	45	46	48	55	54	53	55	56	59	47	60	60	....	50.8
Kearneysville	Maximum	77	77	76	85	81	78	75	85	87	85	84	76	69	77	82	77	76	65	76	77	72	79	80	84	80	78	88	73	74	75	....	78.3
	Minimum	44	45	45	65	57	49	63	62	62	58	59	63	64	66	66	68	54	50	47	49	59	63	61	59	62	58	64	48	58	60	....	57.6
Martinsburg*	Maximum	80	83	83	89	81	83	70	80	87	89	88	77	70	76	85	76	75	70	77	80	71	80	81	86	80	80	88	77	72	..	....	79.8
	Minimum	45	45	46	45	59	50	50	63	64	65	59	60	63	63	64	65	54	50	46	50	53	61	60	60	61	62	61	50	53	62	....	56.3
McNeill	Maximum	81	85	75	85	80	85	75	83	89	88	87	82	77	85	85	82	82	75	73	75	79	85	84	85	87	85	85	81	80	74	....	81.8
	Minimum	37	37	39	59	50	45	53	63	59	52	51	55	64	60	58	67	57	44	46	45	50	62	58	58	56	60	57	42	42	48	....	52.5
Piedmout	Maximum	76	78	76	85	77	78	70	78	83	85	83	77	67	78	82	78	69	69	74	77	76	78	78	79	79	79	75	71	75	72	....	76.7
	Minimum	45	46	46	63	54	47	58	64	60	58	53	59	66	66	53	68	51	49	44	45	56	63	63	63	60	61	60	45	55	60	....	56.0
Romney	Maximum	78	83	83	91	88	83	72	80	89	90	85	82	72	81	86	78	76	73	78	81	77	82	82	83	83	83	83	76	73	73	....	80.8
	Minimum	41	45	45	64	56	50	58	64	58	58	56	58	65	65	63	66	53	47	49	48	55	64	62	63	61	63	62	46	58	63	....	56.9
Upper Tract	Maximum	81	84	90	81	80	..	76	80	85	88	84	82	79	81	80	80	..	76	76	81	80	..	..	83	85	81	..	..	80	78	....	81.3
	Minimum	50	57	54	58	55	..	65	63	61	67	66	60	68	65	64	64	..	50	48	52	57	..	..	66	64	64	..	..	53	63	....	59.8
Wardensville	Maximum	71	73	76	74	83	83	82	83	79	84	83	83	78	73	83	82	78	70	78	76	77	80	77	83	82	76	..	..	74	78	....	78.5
	Minimum	40	41	43	54	51	46	55	61	56	54	54	46	64	64	59	67	53	44	49	46	55	60	58	57	52	46	..	..	54	62	....	53.2
Northern Division																																	
Alpena	Maximum	76	77	75	76	69	77	68	75	78	78	77	77	71	79	76	69	65	67	69	75	70	80	77	78	77	79	69	69	73	66	....	73.7
	Minimum	37	40	33	51	50	40	43	57	47	41	42	53	55	55	51	59	48	39	39	36	54	48	53	55	53	49	56	42	52	52	....	47.7
Bens Run	Maximum	88	91	89	76	81	83	85	86	86	88	87	87	86	87	87	75	69	76	80	86	89	89	91	90	91	90	76	80	72	72	....	83 8
	Minimum	62	61	58	62	55	54	60	62	62	61	60	66	68	67	67	62	51	50	51	52	59	63	65	64	64	65	55	48	62	62	....	59.9
Buckhannon	Maximum	82	82	85	80	72	80	79	80	81	80	80	80	80	82	84	77	69	66	70	78	79	84	83	82	83	82	77	74	78	70	....	78.6
	Minimum	50	50	43	55	50	47	54	62	60	61	52	62	63	61	59	66	54	44	44	44	53	57	58	58	57	62	60	44	59	60	....	55.0
Cairo	Maximum	84	84	87	85	70	76	81	84	82	83	82	86	85	85	85	86	65	74	75	79	86	88	88	86	92	88	89	72	74	76	....	81.9
	Minimum	55	48	49	54	47	45	55	60	57	53	52	52	65	62	62	64	48	43	43	43	52	54	57	58	56	59	61	41	44	41	....	52.7
Clarksburg *	Maximum	84	88	87	80	78	84	83	82	86	85	86	85	83	85	89	74	66	70	76	82	82	86	90	90	91	89	75	79	73	70	....	81.9
	Miuimum	51	53	44	52	49	47	52	62	55	55	52	60	64	62	60	66	47	46	46	44	49	55	58	59	58	60	60	44	48	61	....	54.0
Creston	Maximum	85	87	87	77	85	83	81	83	84	88	87	87	85	87	86	78	79	76	78	86	87	87	90	93	94	90	77	80	79	74	....	84.0
	Minimum	53	52	48	53	47	46	56	60	54	54	52	63	63	68	60	62	50	43	45	44	52	56	58	57	56	58	61	42	59	61	....	54.4
Elkins	Maximum	81	83	77	80	71	79	74	77	81	79	81	80	76	82	80	70	65	68	72	79	80	82	83	82	83	83	74	77	77	65	....	77.4
	Minimum	46	49	39	53	49	47	50	58	53	54	49	58	58	61	57	56	48	46	44	43	49	56	58	57	56	56	49	46	56	52	....	51.8
Fairmont	Maximum	86	88	89	83	82	87	86	83	88	88	86	87	84	89	92	76	70	75	79	86	81	90	89	93	93	93	80	80	74	72	....	84.3
	Minimum	54	56	48	58	54	48	55	65	58	59	55	63	65	65	63	68	48	49	47	49	53	58	60	60	60	65	64	46	47	61	....	56.7
Glenville	Maximum	85	89	91	87	80	.85	88	86	87	88	88	88	85	89	90	83	72	77	79	87	88	89	93	93	94	93	86	82	83	73	....	86.0
	Minimum	56	51	47	53	48	49	46	60	56	56	53	61	62	61	60	65	47	46	47	45	50	55	60	58	58	56	59	44	59	58	....	54.0
Grafton	Maximum	85	90	83	80	76	82	83	82	87	86	85	83	81	87	87	77	65	72	78	84	83	88	89	90	92	89	83	82	76	72	....	82.6
	Minimum	50	54	45	57	52	47	53	57	57	56	53	62	62	63	60	61	50	46	45	45	52	58	59	59	59	62	63	46	55	62	....	55.0
Lost Creek	Maximum	80	81	75	74	75	79	79	81	81	80	75	80	79	81	81	77	65	71	74	83	85	85	83	88	87	89	76	80	78	68	....	79.0
	Minimum	49	50	39	49	47	42	50	60	52	55	49	60	61	60	59	62	45	43	43	39	48	52	56	55	55	61	59	39	55	60	....	51.8
Mannington	Maximum	78	82	80	77	72	77	80	78	80	79	80	81	79	80	83	79	65	67	71	77	78	82	84	83	84	82	76	72	72	68	....	77.5
	Minimum	51	54	44	51	48	44	53	64	56	54	51	62	63	61	61	63	45	45	44	42	49	55	57	59	58	63	62	44	53	60	....	53.9
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Cumberland*	Maximum	80	84	85	79	78	81	83	81	82	83	84	83	79	79	86	68	68	70	75	75	85	86	82	86	88	89	72	72	70	70	....	79.4
	Minimum	56	60	54	50	54	52	59	62	60	57	55	55	60	64	63	67	47	46	48	47	47	58	60	61	60	62	69	43	43	61	....	56.0
New Martinsville	Maximum	86	89	87	82	82	83	83	84	84	85	86	87	84	88	87	79	67	73	80	86	84	86	90	93	91	91	80	80	72	71	....	83.3
	Minimum	57	59	52	55	53	51	58	63	60	60	57	64	65	64	65	62	50	48	48	50	54	60	62	62	62	63	65	45	58	61	....	57.8
Parkersburg	Maximum	83	84	83	74	76	82	83	82	83	85	84	85	82	86	84	72	65	71	77	84	86	86	88	90	87	87	74	76	74	69	....	80.7
	Minimum	61	63	57	61	53	51	59	62	58	58	58	66	68	66	68	58	51	46	48	50	62	66	63	64	65	63	50	45	65	51	....	58.5
Parsons	Maximum	85	86	85	85	78	76	84	83	86	85	84	85	81	87	86	74	69	72	72	84	86	86	85	87	86	87	76	70	70	82	....	81.4
	Minimum	46	45	40	56	50	49	49	60	56	56	52	60	60	60	58	60	47	47	47	44	50	50	58	60	58	57	51	56	56	48	....	52.9
Pickens	Maximum	78	85	82	80	70	79	75	78	80	80	81	77	74	82	82	69	66	70	71	78	82	78	81	83	83	82	69	70	73	64	....	76.7
	Minimum	44	52	37	50	35	44	57	58	51	50	50	56	58	58	55	56	50	37	41	43	52	51	54	52	52	53	56	36	50	51	....	49.6
Terra Alta	Maximum	76	74	73	74	66	74	69	72	78	76	74	71	69	76	82	78	68	70	68	64	66	70	70	71	71	65	71	71	68	60	....	71.2
	Minimum	45	59	44	58	50	44	52	58	51	52	50	58	61	61	58	57	45	55	40	44	52	55	56	56	57	47	56	45	40	34	....	51.3
Wellsburg	Maximum	87	89	89	87	81	85	84	81	86	85	85	86	81	79	88	80	64	71	78	85	85	86	86	91	91	90	76	70	69	68	....	82.1
	Minimum	53	53	47	52	51	46	53	52	55	54	49	61	60	64	62	62	45	44	46	40	48	56	56	58	57	62	62	40	50	58	....	53.3
Weston	Maximum	88	91	90	87	80	84	88	86	88	90	88	86	84	89	90	88	78	76	79	86	85	90	92	93	94	91	89	84	80	76	....	86.3
	Minimum	51	54	45	56	49	47	54	62	54	56	54	62	65	60	61	62	49	46	46	45	52	55	63	59	56	59	60	47	64	62	....	55.2
Wheeling (Dam 12)	Maximum	85	87	86	78	78	83	85	82	83	84	84	84	84	84	86	71	68	70	76	82	83	85	91	90	91	87	72	73	71	69	....	81.1
	Minimum	55	62	53	58	58	52	57	63	59	49	48	56	63	65	66	51	49	47	47	47	48	60	61	61	62	64	46	43	45	44	....	54.6
Southern Division																																	
Beckley	Maximum	80	80	78	79	73	78	79	79	83	82	84	83	79	83	76	72	67	73	75	80	81	83	83	84	83	83	72	79	78	72	....	78.7
	Minimum	50	46	45	52	41	45	54	59	52	49	49	47	60	58	57	61	54	39	42	44	55	54	54	55	57	55	60	49	62	52	....	51.9
Bluefield	Maximum	75	..	..	73	80	75	76	79	..	82	82	81	80	..	82	..	74	..	..	78	78	81	..	84	81	78	77	82	77	..	....	78.9
	Minimum	53	..	..	48	46	54	57	60	..	55	54	59	62	..	61	..	57	..	..	48	58	57	..	56	58	60	63	57	65	..	....	56.6
Charleston	Maximum	84	86	85	82	75	81	82	82	84	85	85	85	84	87	85	85	77	73	77	84	84	86	87	88	87	86	86	80	81	81	....	83.1
	Minimum	61	68	54	59	54	55	61	63	62	62	61	67	66	67	66	69	59	52	52	53	61	63	65	65	64	65	66	52	66	62	....	61.3
Gary *	Maximum	81	83	83	83	73	80	77	79	84	82	85	84	82	85	79	75	69	73	76	82	82	84	85	84	84	82	78	80	81	68	....	80.1
	Minimum	52	47	47	52	54	50	52	59	59	56	54	55	63	61	60	63	61	53	50	48	50	58	59	59	59	58	59	60	62	62	....	56.1
Hinton *	Maximum	85	89	86	82	83	87	84	88	89	91	92	92	86	83	77	80	75	82	84	80	88	91	86	88	91	83	80	86	83	68	....	84.6
	Minimum	51	50	49	50	53	52	55	60	60	58	58	59	65	63	63	63	62	52	52	54	57	59	60	61	62	62	62	58	60	62	....	57.7
Huntington	Maximum	89	89	88	81	78	84	83	83	84	89	90	90	88	90	86	81	74	77	81	90	90	88	87	89	92	91	74	82	77	78	....	84.8
	Minimum	62	61	56	64	50	52	59	62	60	59	59	65	63	67	66	67	55	48	51	53	61	62	63	64	65	64	65	48	66	63	....	60.0
Lewisburg	Maximum	81	84	83	86	80	82	76	87	88	87	81	80	82	84	79	78	76	81	83	83	84	88	87	89	87	87	84	85	79	67	....	82.6
	Minimum	42	42	40	44	45	45	52	58	52	49	52	56	52	50	52	56	54	43	44	42	52	54	54	55	58	53	49	52	59	52	....	50.3
Madison	Maximum	85	85	85	73	75	83	83	83	86	88	88	89	86	87	86	74	72	76	80	84	83	86	89	91	88	88	79	84	84	72	....	83.2
	Minimum	53	49	53	50	50	53	59	59	58	59	62	62	62	65	59	48	50	50	52	58	62	61	60	60	62	52	55	60	49	....	56.5
Marlinton	Maximum	70	68	72	70	71	72	70	72	66	76	78	76	76	76	70	72	68	68	70	72	74	72	76	76	76	76	70	74	72	74	....	72.4
	Minimum	48	48	52	48	48	52	52	54	58	58	64	64	62	64	62	60	54	54	54	56	62	64	64	64	64	68	48	50	60	60	....	57.2
Poiut Pleasant	Maximum	85	85	85	83	80	83	81	83	84	85	84	87	84	86	83	79	68	73	80	85	85	83	87	89	89	85	80	77	77	70	....	82.2
	Minimum	57	57	53	58	46	47	56	59	56	54	54	48	48	64	63	63	50	45	46	46	58	59	59	58	60	58	62	41	60	59	....	54.8
Rainelle	Maximum	78	81	79	80	75	79	79	81	83	83	85	82	78	83	76	72	66	73	76	79	77	83	82	81	83	81	74	81	76	74	....	78.7
	Minimum	44	40	36	48	43	42	51	60	55	50	49	55	58	57	55	63	55	40	42	41	51	51	52	53	54	52	55	48	62	55	....	50.6
Ravenswood	Maximum	85	86	87	83	77	84	76	80	85	86	85	88	87	87	87	86	70	73	80	85	86	86	90	92	90	88	89	79	80	75	....	83.7
	Minimum	61	61	52	61	48	47	58	59	59	60	51	65	65	66	68	61	54	44	46	47	62	65	59	60	61	60	65	42	62	62	....	57.7
Richwood	Maximum	80	83	80	80	73	78	80	78	83	82	84	82	79	82	84	75	67	72	72	79	76	80	81	82	80	83	80	82	80	80	....	79.2
	Minimum	50	47	43	51	48	46	54	51	53	51	50	57	60	59	58	64	55	43	45	45	57	54	54	53	55	53	58	54	48	58	....	52.5
Robertsburg*	Maximum	88	91	89	74	82	85	82	83	85	88	89	90	89	89	85	71	72	78	83	88	87	89	89	93	93	91	78	82	76	72	....	84.4
	Minimum	60	57	53	61	50	49	54	60	59	58	58	63	64	66	64	69	55	45	46	47	56	60	60	60	62	61	64	47	51	62	....	57.4
Ryan	Maximum	85	85	85	80	75	85	80	85	85	85	85	85	85	85	85	75	67	75	75	80	85	88	90	90	90	90	84	85	75	75	....	82.6
	Minimum	50	49	44	49	50	53	52	59	51	49	55	59	60	60	57	60	49	37	38	40	52	54	60	53	54	49	48	36	56	41	....	50.8
Spencer *	Maximum	85	87	88	78	83	82	84	83	85	82	87	87	85	85	88	73	68	79	80	86	87	87	91	92	92	89	75	81	76	79	....	83.5
	Minimum	59	59	59	59	48	52	54	61	57	55	52	56	65	63	60	67	52	43	44	45	55	52	50	59	60	60	64	44	49	62	....	55.6
Sutton	Maximum	84	87	87	83	75	84	84	82	84	85	89	89	83	88	88	80	70	72	76	85	85	87	87	92	92	89	90	90	81	80	....	84.3
	Minimum	51	52	46	54	50	49	55	62	55	57	54	63	64	61	60	62	54	47	45	47	53	57	58	63	59	57	60	50	62	61	...	55.6
Union	Maximum	75	..	80	80	72	79	79	83	..	85	85	84	83	76	77	..	65	75	78	80	80	85	..	82	82	83	74	78	..	..	....	79.3
	Minimum	44	..	43	50	47	48	54	60	..	52	50	60	62	58	57	..	55	43	48	50	55	53	..	56	56	55	60	55	56	..	....	53.2
White Sulphur Spgs.	Maximum	76	79	..	82	79	79	79	82	84	86	85	86	86	85	83	84	80	76	78	79	79	82	85	86	83	82	80	..	82	76	....	81.5
	Minimum	48	49	51	52	49	52	55	53	54	50	56	57	55	56	57	56	44	46	58	51	53	54	56	54	56	48	60	..	58	45	....	53.0
Williamson*	Maximum	82	82	83	69	74	81	81	78	82	84	85	86	82	85	81	75	72	72	77	83	82	84	83	84	86	84	75	80	83	75	...	80.3
	Minimum	59	57	53	57	54	55	60	63	63	63	62	64	65	67	65	68	62	54	54	52	57	61	65	64	64	63	65	56	58	64	...	60.5

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 10-29-34—900)

7.03
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

OF THE
1934
UNIVERSITY OF ILLINOIS

VOL. XLII PARKERSBURG, W. VA., OCTOBER, 1934 No. 10

GENERAL SUMMARY

October was somewhat cold and pleasant with a large percentage of sunshine. The rainfall was unusually light, and, with five exceptions, the least of October State record. There was very little rain in any section of the State from the 6th to the 25th, and there were a number of stations having from 18 to 20 consecutive days without measurable amounts. Warmer weather than usual for October prevailed during the first decade, the highest temperatures for the month occurred generally on the 9th. Temperatures were unusually low during the middle of the second decade and near the close of the month, with the first general frost of the season on the morning of the 14th, but the frost damage was small, as all crops were matured. Snow or snow flurries occurred throughout the State on the 27th and 28th, the amounts were mostly light and unimportant. Owing to heavy rains at the close of September, the drought caused little damage, except in some scattered localities where stock water was getting low, and some wells had begun to fail. High winds prevailed throughout the State on the 27th, but there was no damage reported. The month was mostly favorable for harvesting operations, and at the close of the month, corn was mostly in shock and husking was general; winter wheat, pastures, and meadows, were in fair to good condition and making fair growth, but more rainfall would have been beneficial. The apple crop was secured under favorable weather conditions.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 54.4°, which was 0.2° below the normal. The month opened cold, and the temperature was also below the normal from the 12th to the 15th, 19th and 20th, and from the 27th to the 31st, the coldest weather occurring on the morning of the 14th. The temperature was above the average from the 4th to the 6th, 8th to the 11th, 16th to the 18th, 21st and 22d, and from the 24th to the 27th, the highest readings being noted on the 9th and 21st. The highest monthly mean was 58.8° at Bancroft, and the lowest, 48.6° at Alpena. The highest temperature was 86° at Lost Creek on the 9th, and the lowest, 14° at Bayard on the 14th and Pickens on the 29th, making the monthly range for the State 72°. The greatest daily range was 58° at Pickens on the 16th.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 1.01 inches, or 1.77 inches less than the normal. The greatest monthly amounts were received in the extreme southern counties and mountain districts, and the least over the Ohio River counties. The greater portion of the precipitation was noted on the 5-6th, 18th, and 26th to the 28th, the greatest amounts being measured on the 6th and 26th. The monthly average snowfall, 0.1 inch, was slightly less than the normal. The greatest monthly precipitation was 3.34 inches at Union, and the least was 0.10 inch at Dam No. 19, Ohio River. The greatest amount in any 24 consecutive hours was 1.95 inches at White Sulpher Springs on the 5th. The average number of days with .01 inch or more of precipitation was 4.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 2d, 3d, 11th, 24th, and 25th; Bancroft, 16th, 17th, 19th, 20th, 22d, 23d, 24th, and 27th; Bens Run, 2d, 4th, 9th, 10th, 15th, 16th, 20th, and 24th; Buckhannon, 2d; Elkins, 2d, 3d, 4th, 9th, 14th, 20th, and 24th; Glenville, 2d, 3d, and 4th; Grafton, 11th and 12th; Hinton, 2d, 4th, 5th, 8th, 9th, 11th, 15th, 16th, 17th, 20th, 24th, and 25th; Huntington, 2d, 3d, 4th, 8th, 11th, 15th, 20th, 23d, and 24th; Marlinton, 4th, 5th, 11th, 12th, 13th, 20th, and 24th; Parkersburg, 24th; Pickens, 18th; Romney, 3d and 25th; Wellsburg, 1st, 3d, 4th, 11th, and 25th; Williamson, 3d, 8th, 11th, 12th, 14th, 20th, 22d, and 23d.

Hail, light: Grafton, Mannington, Wellsburg, and Wheeling, 27th; Martinsburg, 28th, and New Cumberland, 29th.

Thunderstorms (dates and number of stations reporting): 17th, 1; 20th, 1; 21st, 1; 25th, 1; 26th, 4; 31st, 7.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.11	30.43	1	29.63	31	6.9	28	sw.	21	82	42	49	81
Columbus, Ohio	30.10	30.41	1	29.63	31	10.4	41	w.	27	76	46	54	74
Elkins	30.15	30.45	17	29.64	31	5.9	34	w.	27	89	52	70	62
Parkersburg	30.14	30.44	1	29.67	31	5.8	31	nw.	27	83	48	64	78
Pittsburgh, Pa	30.10	30.45	1	29.59	31	9.3	37	nw.	27	82	56	60	66
Wytheville, Va	30.10	30.37	17	29.67	27	6.1	27	w.	27	80	49	68	73

COMPARATIVE DATA FOR OCTOBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	51.5	−3.1	95	21	1.97	−0.81	2.91	T.	......	7	....	....	....
1892	52.6	−2.0	89	24	0.83	−1.95	1.45	0.21	......	4	....	....	....
1893	54.1	−0.5	86	16	4.74	+1.96	7.22	1.00		5	21	6	4
1894	54.4	−0.2	88	22	2.32	−0.46	3.85	1.17	T.	7	16	8	7
1895	**48.1**	−6.5	89	**8**	1.29	−1.49	2.25	0.16	T.	5	22	5	4
1896	51.0	−3.6	82	20	2.08	−0.70	4.37	0.45	T.	7	14	9	8
1897	58.2	+3.6	95	22	0.53	−2.25	2.27	0.07	0	3	18	7	6
1898	55.6	+1.0	95	19	4.84	+2.06	8.50	2.48	T.	11	11	10	10
1899	56.8	+2.2	91	19	1.42	−1.36	3.81	0.23	0	5	15	7	9
1900	60.9	+6.3	97	24	2.33	−0.45	4.80	1.15	0	5	16	8	7
1901	54.3	−0.3	86	19	0.54	−2.24	1.95	0.12	0	3	19	6	6
1902	56.5	+1.9	87	17	2.63	−0.15	5.50	0.90	T.	6	16	8	7
1903	54.2	−0.4	96	15	2.55	−0.23	4.75	0.80	T.	6	17	7	7
1904	54.5	−0.1	92	16	1.59	−1.19	3.02	0.37	T.	5	18	8	5
1905	54.2	−0.4	95	19	4.71	+1.93	8.26	2.46	T.	6	13	8	10
1906	54.5	−0.1	86	12	3.09	+0.31	8.15	1.64	1.3	12	11	6	14
1907	50.3	−4.3	87	19	2.65	−0.13	5.12	0.54	0.1	7	15	9	7
1908	55.1	+0.5	91	16	1.60	−1.18	6.88	0.33	T.	5	18	7	6
1909	50.0	−4.6	88	14	2.79	+0.01	5.27	0.60	0.1	7	16	7	8
1910	58.1	+3.5	95	15	1.85	−0.93	2.96	0.80	0.7	6	18	7	6
1911	56.3	+1.7	88	23	5.28	+2.50	9.65	3.27	0	11	12	7	12
1912	55.5	+0.9	93	20	1.34	−1.44	3.10	0.20	T.	4	18	7	6
1913	54.5	−0.1	92	12	4.50	+1.72	8.11	1.78	0.3	11	12	6	13
1914	57.3	+2.7	91	14	2.94	+0.16	6.72	1.37	T.	9	12	8	11
1915	56.6	+2.0	89	20	4.11	+1.33	5.55	0.74	T.	6	17	7	7
1916	54.1	−0.5	97	16	2.38	−0.40	4.35	0.91	T.	7	19	5	7
1917	49.2	−5.4	89	16	4.35	+1.57	6.49	1.18	5.5	10	15	6	10
1918	58.2	+3.6	89	24	3.68	+0.90	7.53	1.59	T.	8	15	7	9
1919	**62.3**	+7.7	**102**	28	5.84	+3.06	11.88	2.13	0	14	9	7	15
1920	57.5	+2.9	90	21	1.15	−1.63	2.53	0.10	0.1	4	22	4	5
1921	53.7	−0.9	88	21	2.48	−0.30	5.76	0.30	0.1	8	18	5	8
1922	55.4	+0.8	93	18	2.45	−0.33	4.81	0.39	T.	6	19	5	7
1923	52.1	−2.5	93	12	1.39	−1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	0.0	87	14	0.40	−2.38	1.28	0	T.	2	23	4	4
1925	49.3	−5.3	86	14	7.30	+4.52	**13.08**	2.19	4.3	16	5	7	19
1926	54.9	+0.3	92	20	4.79	+2.01	8.74	1.04	0.3	12	10	8	13
1927	57.0	+2.4	100	21	4.13	+1.35	11.10	1.14	0.4	8	19	4	8
1928	56.7	+2.1	94	12	1.98	−0.80	3.26	0.58	0.1	7	14	7	10
1929	52.6	−2.0	89	21	6.17	+3.39	10.93	3.92	0.1	11	13	6	12
1930	50.5	−4.1	94	**8**	0.96	−1.82	1.89	0.08	0.2	6	17	6	8
1931	57.0	+2.4	98	18	1.66	−1.12	3.03	0.58	T.	8	16	6	9
1932	54.9	+0.3	90	22	3.91	+1.13	7.21	2.12	0.1	9	12	7	12
1933	53.6	−1.0	91	13	1.67	−1.11	4.31	0.40	T.	6	16	9	6
1934	54.4	−0.2	86	14	1.01	−1.77	3.34	0.10	0.1	4	20	6	5
Period	54.6	......	102	8	2.78	....	13.08	0	0.3	7	16	7	8

Climatological Data for October, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	49.2	0.0	79	9	14	14	57	1.35	−2.39	0.60	1.0	4	22	4	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	54.1	+0.8	82	9	20	14	52	0.90	−1.44	0.65	0	3	26	1	4	n.	Elmer Keister
Circleville	Pendleton	...	2	...	...	...	...	...	...	...	1.87	...	0.70	0.3	6	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	...	...	...	...	...	...	...	0.71	−2.39	0.40	0	3	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	4	53.8	...	79	11	27	14†	41	0.66	...	0.36	0	3	22	8	1	se.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}54.8	+0.1	82^{a}	11	30	14†	41^{a}	0.79	−2.13	0.25	T.	5	27	4	0	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	53.8	−2.3	85	9	17	14	56	1.07	−1.22	0.45	0	4	13	10	8	w.	John W. McNeill
Piedmont	Mineral	1,053	21	53.0	−0.4	78	9	24	29	44	1.33	−1.49	0.54	0	4	21	4	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	55.4	+0.5	85^{a}	5	23^{a}	14	46^{a}	0.98	−1.62	0.42	T.	6	16	7	8	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	...	...	...	...	...	...	...	0.83	−2.37	0.48	0.2	4	8	7	16	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	...	...	80^{d}	17	...	...	...	0.79	−1.43	0.59	0	2	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	53.2	+0.6	79	9†	21	14	50	1.11	−2.05	0.40	T.	8	18	7	6	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	...	...	...	...	...	...	...	0.76	−2.78	0.43	0	3	17	10	4	w.	L. Else Bond
Alma (near)	Tyler	800	7	...	...	...	...	...	...	...	0.53	...	0.18	0	5	20	6	5	...	D. N. Furbee
Alpena	Randolph	2,571	4	48.6	...	78	9	15	14	53	1.13	...	0.53	1.0	4	19	6	6	w.	Christian Hertig
Benson	Harrison	1,080	10	51.9	−1.0	79	9†	17	30	51	0.55	−3.01	0.35	0	3	17	12	2	...	R. D. Marts
Bens Run	Pleasants	652	32	58.0	+1.4	82	9	32	29	42	0.25	−2.76	0.15	0	2	20	11	0	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	55.2	+0.6	85	12	20	30	51	0.74	−2.68	0.38	0	4	21	7	3	...	W. B. Worley
Buckhannon	Upshur	1,411	37	53.2	−0.6	75	9	25	14†	42	0.82	−2.50	0.38	T.	4	18	9	4	...	H. A. Darnall
Cairo	Ritchie	680	33	54.7	−1.1	81	17	21	30	49	0.61	−2.34	0.34	0	2	22	3	6	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	51.9	−1.5	81	9	21	30†	47	0.71	−2.42	0.52	T.	4	17	8	6	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	...	...	...	...	...	...	...	0.92	−2.57	0.39	T.	5	19	10	2	sw.	George W. Blair
Creston	Wirt	640	32	54.4	−1.3	82	21	22	30	51	0.66	−2.50	0.33	0	2	19	2	10	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	...	...	...	...	...	...	...	1.28	−1.89	0.89	0	5	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	18	...	...	...	...	...	...	...	0.63	−2.27	0.53	0	3	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	...	...	...	...	...	...	...	0.92	−2.32	0.61	0	6	...	...	...	...	Lockmaster
Davis	Tucker	3,093	25	...	...	...	...	...	...	...	2.28	−1.74	0.75	3.0	7	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22	...	...	...	...	...	...	...	0.51	−2.87	0.30	0	2	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	33	50.8	−1.5	79	9	23	14	48	1.52	−1.38	0.70	T.	7	14	10	7	w.	U. S. Weather Bureau
Fairmont	Marion	883	28	55.6	+0.5	85	9	26	30	50	1.56	−1.35	0.58	T.	6	19	4	8	w.	J. C. Robinson
Glenville	Gilmer	738	40	58.1	+1.9	84	9†	23	30	52	0.65	−2.49	0.30	0	4	16	8	7	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	54.8	−0.4	84	9	22	30	50	1.00	−2.17	0.53	T.	4	15	3	13	...	W. E. Clayton
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	0.87	−2.82	0.45	0	2	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	9	...	...	...	...	...	...	...	1.17	−2.23	0.52	0	3	19	6	6	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	54.3	−0.8	81	9†	20	14†	50	0.74	−2.58	0.48	0	2	22	5	4	nw.	Dau Burkholder
Lost Creek	Harrison	1,026	36	52.4	−1.8	86	9	18	14†	55	0.56	−2.32	0.40	0	3	21	3	7	w.	Allen Smith
Mannington	Marion	985	31	51.9	−1.7	77	21	22	30	45	0.97	−2.05	0.63	0	5	18	5	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	36	52.8	−1.2	79	9	28	31	46	0.97	−1.75	0.46	T.	6	17	6	8	n.	C. H. Hesse
New Martinsville	Wetzel	634	40	57.2	+0.4	83	9	26	30†	48	0.49	−2.46	0.45	0	2	18	6	7	n.	Wm. Ankrom
Parkersburg	Wood	638	47	55.4	−0.7	80	9	28	30	42	0.49	−1.99	0.43	0	3	16	10	5	se.	U. S. Weather Bureau
Parsons ††^{b}	Tucker	1,649	34	54.6	+3.1	83	9	24	30	53	...	...	...	...	...	17	5	7	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	...	...	...	...	...	...	...	1.77	−1.50	0.67	1.0	5	21	5	5	...	Robert T. Deem
Philippi	Barbour	1,550	37	...	...	...	...	...	...	...	0.94	−2.12	0.48	T.	3	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	31	^{a}50.2	−1.5	80^{a}	16	14^{b}	29	58^{b}	1.51	−2.73	0.80	0	4	23	4	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	0.83	−2.59	0.40	0	4	20	5	6	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	25	...	...	...	...	...	...	...	0.25	−2.89	0.18	0	3	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hopemont Sanitarium
Thomas	Tucker	2,950	5	...	...	...	...	...	...	...	1.66	−2.28	0.54	0.5	4	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	11	55.0	−0.4	80	10	22	30	46	0.57	−2.84	0.40	0	3	19	10	2	w.	J. C. Campbell
Vandalia	Lewis	1,120	11	...	...	...	...	...	...	...	1.02	−1.95	0.53	0	3	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	27	53.1	−0.4	83	9	20	20	52	1.02	−1.85	0.45	T.	3	20	6	5	...	George P. Pfister
West Milford	Harrison	979	9	...	...	...	...	...	...	...	0.60	−3.62	0.40	0	2	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	57.2	+1.7	82	4†	21	31	49	0.75	−2.27	0.41	0	5	15	6	10	...	A. Henry
Wheeling (Dam 12)	Ohio	659	47	53.6	−1.3	82	9	30	14	44	0.53	−2.07	0.39	T.	2	17	6	8	...	Lockmaster
Woodlands	Marshall	637	7	...	...	...	...	...	...	...	0.73	...	0.47	0	3	21	6	4	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	...	...	...	...	...	...	...	1.23	−2.14	1.00	T.	3	24	2	5	w.	H. S. Sutton
Bancroft	Putnam	574	30	58.8	+2.1	80	9†	31	30	40	0.55	−2.47	0.36	0	3	26	2	3	w.	Charles N. Long
Beckley	Raleigh	2,440	31	52.4	−3.5	81	9	21	14†	45	1.83	−1.11	0.88	T.	4	16	11	4	...	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	39	55.9	+0.2	79	9	26	29	41	2.70	−0.22	1.61	0	7	13	7	6	...	Norfolk & Western Ry.
Charleston	Kanawha	600	31	58.3	−0.6	80	1	31	30	41	0.61	−2.30	0.53	0	3	16	11	4	...	S. E. Damron
Clay	Clay	706	18	...	...	...	...	...	...	...	0.84	−2.09	0.40	0	5	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	7	...	...	...	...	...	...	...	0.97	−2.16	0.55	0	3	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	18	...	...	...	...	...	...	...	0.10	−3.08	0.08	0	2	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	18	...	...	...	...	...	...	...	0.25	−3.01	0.15	0	3	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	7	...	...	...	...	...	...	...	0.25	...	0.25	0	1	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	18	...	...	...	...	...	...	...	0.17	−2.49	0.14	0	2	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	18	54.0	−1.6	81	9	23	29	47	2.04	−1.13	1.25	0	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	56.9	−1.1	83	9	24	29	47	1.85	−0.79	1.40	0	4	26	2	3	...	Mrs. M. L. McClung
Huntington	Cabell	538	37	58.6	+2.2	83	9	31	30†	41	0.39	−2.20	0.12	0	5	18	10	3	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	...	...	...	...	...	...	...	0.95	−2.35	0.54	0	4	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	18	...	...	...	...	...	...	...	0.85	−2.92	0.42	0	4	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Claud J. Wriston
Lewisburg	Greenbrier	2,250	34	54.3	+1.1	84	9	22	14	53	2.37	−0.51	1.28	T.	4	25	3	3	...	Rose Argabrite
Logan	Logan	700	31	...	...	...	...	...	...	...	1.27	−1.59	0.85	0	4	...	...	...	...	J. R. Wampler
Madison	Boone	675	13	55.8	+0.2	81	9†	26	29	41	1.11	−1.52	0.63	0	4	23	5	3	...	W. E. Holy
Marlinton	Pocahontas	2,131	35	53.1	+3.5	72	1†	24	30	30	1.28	−1.83	0.96	T.	2	10	16	5	sw.	Miss Virginia Crocket
Point Pleasant	Mason	595	41	56.0	−1.2	81	21	28	14†	42	0.28	−2.43	0.26	0	2	24	5	2	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	50.7	...	78	9	17	29	51	1.41	...	0.92	T.	4	22	1	8	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	57.4	+1.1	85	16	25	30	53	0.38	−2.72	0.23	0	2	18	8	5	nw.	Lockmaster
Richwood	Nicholas	2,193	4	53.3	...	80	9	22	30	48	1.61	...	0.67	T.	8	12	10	9	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	56.2	−0.4	84	9	25	30	47	0.31	−2.43	0.21	0	2	23	0	8	...	M. Frazier
Ryan	Roane	700	31	53.5	+0.8	85	9	18	29	54	0.67	−2.67	0.39	0	6	20	8	3	...	Wm E. Ryan
Sharples	Logan	889	14	...	...	...	...	...	...	...	0.63	−2.17	0.43	0	2	...	...	...	...	R. W. Howard
Spencer	Roane	789	30	54.8	−0.1	85	21	24	30	47	1.06	−2.09	0.50	0	4	19	10	2	...	A. M. McKown
Summersville	Nicholas	1,894	1	...	...	...	...	...	...	...	1.65	...	0.66	0	4	...	...	...	...	Carl Perry
Sutton	Braxton	850	28	56.2	−0.5	85	9†	23	30	49	1.15	−2.05	0.55	0	4	27	0	4	...	C. B. Eakle
Thornwood	Pocahontas	2,723	0	...	...	...	...	...	...	...	2.01	...	0.80	0.1	4	...	...	...	...	Eva R. Smith
Union ^{d}	Monroe	2,250	30	54.5	+0.1	82	9†	22	29	45	3.34	+0.43	1.50	0	4	21	4	2	...	C. B. King
Wayne	Wayne	598	7	...	...	...	...	...	...	...	0.58	−2.31	0.27	0	3	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	55.8	+3.4	78	9†	25	28†	41	2.10	−0.74	1.95	0	2	27	0	4	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	56.8	−1.0	76	9	28	29	35	1.10	−1.72	0.54	0	9	18	7	6	nw.	J. E. Dotson
State averages and	extremes	...	...	54.4	−0.2	86	9	14	14†	58	1.01	−1.77	1.95	0.1	4	20	6	5	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days: for example, ^{b} represents two days, etc.

Daily Precipitation for October, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac						.60													T.							.52	.03	.20				1.35
Brandywine	....do					.10	.55																				.25						0.90
Circleville	....do	.12					.67	.09											T.		T.						.70	.12	.17	T.			1.87
Harpers Ferry ‖‖	....do						.40												.02								.29						0.71
Kearneysville	....do							.36																			.20	.10					0.66
Martinsburg ‖‖	....do						.25	.10														.01					.25	T.	.18				0.79
McNeill	....do	.05				T.	.45															T.						.42	.15				1.07
Piedmont	....do						.54																				.28	.07	.44				1.33
Romney‖‖	....do					.01	.42															.01					.40	.03	.11				0.98
Stony River Dam	....do	.23					.48	.10																					.02				0.83
Upper Tract	....do					T.	.59																				.20						0.79
Wardensville‖‖	....do		.03	.02	.02	.01	.40	.03	T.		T.																.26		.34				1.11
Northern Division																																	
Aberdeen	Monongahela						.30															.03					.43	T.					0.76
Alma (near)	Ohio					.06	.18																			.12	.16	.01					0.53
Alpena	Monongahela					.06	.53												T.			T.					.50	T.	.04				1.13
Benson	....do						.18															.02					.35						0.55
Bens Run	Ohio						.10											T.				T.				T.	.15						0.25
Brownsville	Monongahela						.25															.07				.38		.04					0.74
Buckhannon	....do					.06	.38															.05					.33	T.	T.				0.82
Cairo	Little Kanawha						.27																				.34						0.61
Clarksburg‖‖	Monongahela						.16															.01					.52		.02				0.71
Crawford‖‖	....do					.07	.37												.05	T.		.04				.39			T.				0.92
Creston‖‖	Little Kanawha						.33																				.33						0.66
Dam 10, Mon. R.‖‖	Monongahela						.09	.02										T.									.89	.02	.26				1.28
Dam 13, O. R.‖‖	Ohio																										.53	.02	.08				0.63
Dam 15, Mon. R.‖‖	Monongahela	T.					.13	.02											.02			.01					.61		.13				0.92
Davis ‖‖	....do	.20					.55	.20											T.			T.					.70	.08	.45	.10		T.	2.28
Elizabeth(D'm 3 LK)	Little Kanawha						.21																				.30						0.51
Elkins***	Monongahela					.09	.57											T.	T.	T.		.10				.38	T.	.02	.01			.35	1.52
Fairmont‖‖	....do					.14	.03											.02			T.					.57	T.	.22	T.			.58	1.56
Glenville ‖‖	Little Kanawha						.26												.04			.05					.30						0.65
Grafton ‖‖	Monongahela					T.	.25				T.								.02								.53	T.	.20				1 00
Horner	....do						.42																				.45						0.87
Horton	....do					.19	.46														T.	T.					.52						1.17
Janelew (near)	....do						.26																				.48						0.74
Lost Creek	....do					T.	.12															.04					.40	T.					0.56
Mannington	....do					.03	.13												T.			T.					.55	.08	.18				0.97
Morgantown	....do																																.....
New Cumberland‖‖	Ohio						.03															.02					.35	.09	.46	.02			0.97
New Martinsville	....do																										.45		.04				0.49
Parkersburg***	....do					.03																T.				.07		T.				.39	0.49
Parsons	Monongahela																																.....
Parsons No. 2	....do					.03	.67																				.64	.04	.39				1.77
Philippi	....do						.42																.04			.48			T.				0.94
Pickens	....do					.12	.51															.08					.80						1.51
Roanoke	....do					.05	.26															.12				.40							0.83
Saint Marys‖‖	Ohio						.03															T.	T.				.18		.04				0.25
Terra Alta	Monongahela																																.....
Thomas ‖‖	....do	.24					.52	.08																			.54		.28				1.66
Valley Chapel	....do						.15															.02					.40						0.57
Vandalia	....do						.38															.11					.53						1.02
Wellsburg	Ohio						T.																				.45	.20	.37				1.02
West Milford	Monongahela						.20																			.40							0.60
Weston	....do	.08					.22													T.		.02					.41	.02	T.				0.75
Wheeling(Dam 12)‖‖	Ohio						T.															T.					.39	T.	.14				0.53
Woodlands‖‖	....do						.02																				.47	T.	.24				0.73
Southern Division																																	
Arbovale	Great Kanawha					1.00																.01					.22	T.	T.				1.23
Bancroft ‖‖	....do						.36															.04					.15						0.55
Beckley	....do					.30	.88				.33								T.								.32	T.					1.83
Bluefield	....do	.56				.07	1.61				.20								.03								.16					.07	2.70
Charleston	....do					.03	.53															.05											0.61
Clay‖‖	....do	.08					.40	.08															.03				.25						0.84
Dam 6 G. K. ‖‖	....do	.08					.34																				.55						0.97
Dam 19 O. R. ‖‖	Ohio						.02															T.					.08		T.				0.10
Dam 20 O. R. ‖‖	....do	T.					.08															T.					.15	.02					0.25
Dam 25 O. R. ‖‖	....do						T																				.25						0.25
Dam 26 O. R. ‖‖	....do						.03																				.14						0.17
Gary ‖‖	Big Sandy	.14				.01	1.25	.01				.12							.17	.05							.29						2.04
Hinton‖‖	....do	T					1.37	.03				.37															.08		T.				1.85
Huntington	Ohio					.12	.05												.06			T.				.10	.06						0.39
Kanawha Falls‖‖	Great Kanawha	.21					.54	.04																			.16						0.95
Kayford‖‖	....do	.10					.42	.03				T.															.30						0.85
Kingston	....do																																.....
Lewisburg	....do					.62	1.28				.17																.30	T.					2.37
Logan‖‖	Guyandotte	.33					.52					T.							.25								.17						1.27
Madison	Great Kanawha				.13	.63	.05														T.			T.		.30	T.						1.11
Marlinton	....do					T.			T.																		.32		T.			.96	1.28
Point Pleasant‖‖	Ohio	T.					.02																T.				.26		T.				0.28
Rainelle	Meadow Creek					.20	.92				.01	T.															.28		T.				1.41
Ravenswood(Dam 22	Ohio‖‖						.15																				.23						0.38
Richwood	Great Kanawha	.04				.17	.67												.12		.01	.05					.54		.01				1.61
Robertsburg‖‖	....do						.21																				.10						0.31
Ryan	....do					.39	.07																			.01	.07	.09	.04				0.67
Sharples‖‖	Coal River							.43																			.20						0.63
Spencer ‖‖	Great Kanawha						.39												T.			.03					.14					.50	1.06
Summersville	....do	.39					.66												.10								.50						1.65
Sutton	Gauley					.10	.55															.10					.40						1.15
Thornwood	Great Kanawha					.80																				.40		.01				.80	2.01
Union	Gauley	.84				.60	1.50				.40	T.							T.														3.34
Wayne ‖‖	Big Sandy						.22												.27								.09						0.58
White Sulpr. Spgs.‖‖	Great Kanawha					1.95					.15																						2.10
Williamson‖‖	Big Sandy					.02	.52	.01			.02	.11							.10	.02		.02					.28						1.10

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.135	.080	.075	.072	.111	.044	.073	.122	.089	.056	.064	.091	.122	.122	....	.089	.056	.089	.078	.056	.065	.200	.134	.045	.055	.114	.091	.132	.045	....	.111	2.616
	Wind movement	56	22	11	7	42	11	54	54	20	6	5	48	50	30	12	16	17	21	58	15	14	161	75	10	9	64	75	224	82	95	18	1,382

Daily Temperatures for October, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	60	70	68	68	60	65	64	70	79	69	70	63	55	56	65	76	76	65	60	72	72	70	60	67	73	67	55	45	47	49	59	64.4
	Minimum	35	27	28	33	49	50	44	38	37	41	45	45	23	14	25	28	28	45	38	15	30	51	45	29	30	43	39	25	29	24	18	33.9
Brandywine	Maximum	75	74	72	68	65	73	75	80	82	76	80	76	60	62	72	78	76	75	72	76	80	75	72	70	75	70	60	52	64	61	62	71.2
	Minimum	47	34	38	39	55	53	40	37	39	45	41	50	24	20	23	28	32	46	47	24	41	56	45	34	35	36	35	32	24	21	25	37.0
Kearneysville	Maximum	61	67	72	70	63	62	70	77	76	66	79	70	54	59	74	75	69	76	63	64	73	66	62	60	66	63	54	47	57	54	62	65.5
	Minimum	46	36	39	46	62	54	55	45	46	51	47	52	32	27	36	41	41	50	47	28	32	51	43	42	36	51	44	35	32	27	28	42.0
Martinsburg*	Maximum	64	67	73	77	62	70	72	80	77	62	82	67	58	60	75	77	73	75	64	65	67	75	68	65	67	65	55	47	57	56	..	67.4
	Minimum	46	37	37	42	55	55	54	47	47	47	45	48	34	30	34	39	43	49	47	30	38	48	54	44	40	40	45	36	34	30	30	42.1
McNeill	Maximum	60	75	75	73	62	71	72	83	85	82	82	69	60	65	77	83	71	75	64	74	83	80	70	72	75	64	66	48	58	60	70	71.1
	Minimum	40	33	40	40	55	55	42	36	38	40	40	45	28	17	21	29	32	44	48	21	35	58	44	36	34	43	37	37	25	21	22	36.6
Piedmont	Maximum	67	65	69	67	57	70	70	75	78	63	76	62	53	56	69	76	77	67	62	64	76	69	65	65	65	57	55	44	52	54	63	64.8
	Minimum	40	39	41	44	55	54	53	41	45	50	48	48	29	32	25	41	38	51	45	28	49	39	52	40	40	49	42	36	24	28	27	41.1
Romney	Maximum	64	71	71	72	85	71	70	80	72	80	..	73	60	64	74	79	82	72	67	69	80	75	70	67	83	67	55	47	57	59	65	70.0
	Minimum	41	57	43	44	56	54	53	41	42	46	..	50	27	23	28	35	37	50	47	26	37	61	50	39	38	51	38	34	27	24	25	40.8
Upper Tract	Maximum	74	71	71	69	64	70	69	78	78	77	71	68	52	61	72	79	80	72	71	72	..	79	67	..	..	72	..	60	56	57	64	69.4
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wardensville	Maximum	59	68	70	68	55	72	68	76	79	68	78	68	63	67	73	77	78	71	65	73	79	71	66	58	70	71	63	46	56	65	63	67.5
	Minimum	43	34	37	40	49	53	53	39	41	48	42	55	26	21	23	31	35	48	46	23	35	58	49	38	35	49	41	35	25	24	26	38.8
Northern Division																																	
Alpena	Maximum	59	67	67	63	58	63	61	67	78	67	68	62	49	54	62	72	72	63	57	72	70	71	61	70	71	63	51	40	45	48	58	62.2
	Minimum	35	29	52	35	48	51	44	41	39	45	37	45	24	15	20	25	30	45	40	19	37	39	44	30	34	42	35	27	29	23	23	34.9
Bens Run	Maximum	61	75	75	78	72	75	71	77	82	77	80	69	60	62	70	79	79	69	69	75	79	75	65	76	76	61	62	53	52	62	60	70.2
	Minimum	45	42	45	49	53	60	49	56	49	56	52	48	37	33	35	37	41	48	46	50	54	54	45	44	46	47	47	35	32	47	34	45.7
Buckhannon	Maximum	65	67	71	73	71	70	68	70	75	74	72	68	60	53	63	72	72	70	64	70	73	72	65	69	74	70	65	48	53	51	62	66.8
	Minimum	48	38	39	43	49	39	48	40	44	44	45	44	33	25	29	32	35	57	44	28	46	57	47	37	38	42	44	34	29	25	28	39.7
Cairo	Maximum	79	71	73	77	79	72	70	78	77	72	75	80	69	64	61	72	81	79	70	65	80	77	78	66	78	78	65	52	59	55	57	71.3
	Minimum	40	38	35	40	47	58	54	46	40	51	45	43	30	23	23	29	32	50	46	25	48	45	37	36	36	41	42	32	25	21	22	38.1
Clarksburg*	Maximum	63	72	73	76	73	72	66	73	81	73	75	63	55	59	67	77	76	67	62	74	77	71	60	74	78	58	63	44	51	52	52	67.0
	Minimum	40	37	37	41	48	58	40	38	41	47	41	43	30	24	26	30	32	36	44	27	30	56	43	36	35	36	39	35	25	21	21	36.8
Creston	Maximum	67	73	77	76	71	75	71	76	81	76	76	70	68	61	70	80	79	69	61	75	82	79	65	77	74	72	67	56	57	58	67	71.2
	Minimum	42	37	39	48	47	58	40	39	41	51	45	32	38	26	26	29	31	52	45	29	35	43	37	34	39	42	41	25	25	22	26	37.5
Elkins	Maximum	61	69	72	69	65	67	62	71	79	69	72	62	49	53	65	77	74	64	55	73	73	67	56	73	74	55	60	38	50	51	63	64.1
	Minimum	40	36	39	40	57	56	44	37	42	47	43	39	29	23	24	29	31	49	30	27	41	50	42	36	34	46	34	32	29	25	29	37.4
Fairmont	Maximum	69	75	79	79	76	75	71	79	85	75	81	68	60	62	73	83	82	67	64	78	82	73	60	81	83	58	60	47	55	59	64	71.1
	Minimum	42	38	42	42	47	54	44	40	45	52	49	48	33	27	28	33	36	44	45	30	32	58	45	41	39	47	43	35	29	26	28	40.1
Glenville	Maximum	71	73	77	81	76	76	74	79	84	83	81	83	70	64	74	82	79	78	69	79	81	81	76	80	81	76	78	54	58	58	80	75.5
	Minimum	41	38	39	35	54	59	58	45	46	48	54	44	33	28	26	30	33	57	46	31	47	50	40	39	38	43	45	36	25	23	29	40.7
Grafton	Maximum	67	74	77	77	72	72	69	75	84	77	78	71	59	60	72	82	77	73	63	78	79	75	67	78	80	68	62	45	53	55	67	70.5
	Minimum	41	37	39	42	49	57	43	39	45	53	46	44	30	23	27	32	36	52	44	28	32	58	45	38	40	47	37	34	26	22	27	39.1
Lost Creek	Maximum	65	67	75	70	70	75	70	80	86	75	73	72	67	59	70	80	80	77	64	75	74	74	70	80	73	70	55	45	54	57	64	69.9
	Minimum	36	32	35	36	45	55	39	35	39	49	40	42	28	18	21	25	29	30	31	22	41	52	40	44	32	53	38	32	24	18	21	34.9
Mannington	Maximum	61	66	71	72	69	70	69	70	74	72	74	71	58	55	65	72	73	70	59	70	77	73	67	69	75	68	61	43	51	51	60	66.3
	Minimum	39	33	36	39	47	57	40	37	42	50	45	42	29	23	25	29	32	50	43	25	42	57	41	37	35	43	37	34	25	22	24	37.5
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland*	Maximum	60	70	70	76	72	77	70	77	79	69	69	60	55	62	70	76	76	59	60	74	77	64	59	73	76	57	57	44	45	54	54	65.8
	Minimum	39	39	39	45	49	54	50	41	44	48	49	46	30	30	31	36	36	40	42	30	31	54	51	39	39	43	38	33	31	30	28	39.9
New Martinsville	Maximum	67	74	76	78	75	75	72	77	83	81	80	75	58	63	72	81	78	67	62	77	79	75	67	76	72	62	61	50	50	54	61	70.3
	Minimum	51	41	46	50	56	62	56	50	54	56	54	58	33	29	29	33	36	55	45	33	50	53	42	44	41	45	42	35	28	26	26	44.0
Parkersburg	Maximum	64	71	73	75	68	75	69	76	80	76	79	65	55	60	70	77	75	66	60	74	80	73	59	74	75	59	65	47	54	55	65	68.2
	Minimum	45	40	43	48	55	57	48	43	48	56	49	46	37	31	31	37	41	49	38	32	62	51	43	39	46	47	39	34	33	28	28	42.7
Parsons	Maximum	81	71	73	74	65	68	65	76	83	70	75	65	53	61	69	82	78	66	66	77	72	70	58	76	78	64	68	..	61	55	..	69.7
	Minimum	41	37	39	44	56	56	44	39	42	50	45	40	30	25	25	29	32	57	35	28	28	53	49	38	37	44	44	..	35	24	..	39.6
Pickens	Maximum	62	70	73	72	66	63	61	72	69	68	68	63	59	67	69	80	78	63	59	76	71	..	78	76	75	51	58	40	50	53	60	65.8
	Minimum	41	35	38	37	51	57	35	36	41	48	38	37	19	25	21	22	27	47	32	26	43	..	43	40	40	40	40	27	14	20	20	34.7
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wellsburg	Maximum	64	73	73	74	71	72	68	76	83	81	78	73	60	60	70	78	77	71	61	72	78	72	62	73	75	67	56	55	47	52	56	68.6
	Minimum	37	33	38	42	46	58	39	35	41	46	48	40	26	22	26	30	31	50	40	20	43	54	45	36	35	40	51	36	34	22	23	37.6
Weston	Maximum	72	75	78	82	80	76	72	78	82	80	80	78	72	62	70	80	81	80	75	75	80	79	76	81	82	70	66	62	60	59	68	74.5
	Minimum	42	39	40	43	48	59	42	39	42	52	45	46	31	25	28	31	36	60	45	29	45	48	45	39	41	46	48	38	25	23	21	40.0
Wheeling (Dam 12)	Maximum	62	79	73	76	70	74	70	76	82	80	80	63	55	60	70	78	78	62	62	74	77	70	59	73	71	58	48	46	47	49	55	67.0
	Minimum	41	37	48	48	48	53	46	43	48	51	46	35	31	30	31	35	37	41	33	33	33	53	42	42	42	43	42	33	34	32	32	40.1
Southern Division																																	
Beckley	Maximum	63	72	69	78	59	70	65	76	81	67	74	64	56	58	68	74	74	63	57	72	75	79	64	74	73	64	63	46	53	54	63	66.7
	Minimum	44	38	37	44	51	53	43	34	39	53	39	51	28	21	25	29	36	49	42	28	49	48	35	35	43	41	41	28	21	22	32	38.0
Bluefield	Maximum	77	70	70	67	62	62	..	74	79	73	73	69	63	..	67	73	74	68	..	71	..	73	70	73	72	67	66	..	67	56	59	69.0
	Minimum	46	42	42	51	54	54	..	39	44	56	44	55	34	..	28	35	42	51	..	35	..	53	41	42	46	43	45	..	26	30	36	42.8
Charleston	Maximum	80	79	72	75	75	74	75	71	78	78	77	76	74	57	68	73	75	68	68	75	76	77	70	73	77	70	68	57	58	56	67	71.5
	Minimum	50	48	49	49	57	61	48	46	46	58	53	52	39	35	34	35	34	46	50	43	57	50	42	42	45	49	46	35	33	31	34	45.1
Gary*	Maximum	66	72	72	72	63	69	69	75	81	61	73	68	58	61	68	78	74	62	57	76	78	71	70	79	75	59	67	45	58	59	63	67.8
	Minimum	53	44	45	47	49	58	47	41	42	45	47	48	38	31	31	31	34	37	53	38	40	42	37	38	39	42	36	35	23	24	28	40.1
Hinton*	Maximum	75	79	75	73	62	73	73	82	83	63	81	72	63	68	78	81	80	68	65	78	82	76	70	77	78	64	71	50	62	63	70	72.1
	Minimum	52	45	46	48	50	57	46	45	45	48	50	51	38	34	33	34	37	40	51	38	39	47	40	40	41	43	41	36	24	25	30	41.7
Huntington	Maximum	69	75	76	77	69	78	74	81	83	78	81	73	65	63	74	79	79	72	63	77	81	81	66	74	78	67	69	55	61	62	68	72.5
	Minimum	46	45	47	50	57	61	47	44	49	59	51	51	39	32	33	38	40	60	48	35	59	49	41	41	42	46	48	34	33	31	31	44.8
Lewisburg	Maximum	71	77	71	69	65	68	71	80	84	79	69	70	62	64	77	80	78	68	70	78	81	76	74	77	76	67	67	68	70	68	65	72.3
	Minimum	44	36	39	41	44	55	49	34	38	45	40	44	28	22	24	27	29	37	37	29	43	51	32	33	36	45	38	24	27	29	26	36.3
Madison	Maximum	68	74	74	76	67	76	73	76	81	71	80	72	62	63	73	76	78	70	54	77	81	77	69	78	80	64	72	52	60	60	68	71.0
	Minimum	45	47	48	48	55	45	44	44	49	50	50	37	32	29	32	36	51	47	40	40	43	36	37	39	42	42	34	27	26	28	37	40.6
Marlinton	Maximum	72	66	66	62	58	64	68	68	72	66	64	64	60	52	60	68	64	64	60	56	64	70	64	62	62	68	58	60	42	38	60	62.0
	Minimum	48	50	54	50	50	52	58	60	56	56	46	44	36	34	36	42	40	42	36	38	42	50	46	46	44	46	48	38	28	24	30	44.2
Point Pleasant	Maximum	65	72	72	76	72	76	71	76	80	78	80	77	67	61	72	76	76	74	65	74	81	78	75	76	77	63	61	56	55	53	66	71.2
	Minimum	40	38	40	42	50	56	40	43	45	55	49	50	37	28	30	34	39	47	46	33	55	43	40	40	42	44	43	32	29	28	29	40.9
Rainelle	Maximum	66	71	69	66	59	67	66	77	78	65	75	64	57	59	69	75	75	62	59	75	76	71	64	71	73	64	63	45	52	55	62	66.1
	Minimum	46	35	37	44	53	55	39	33	34	46	40	47	28	20	20	24	26	43	45	27	41	47	35	31	33	43	35	30	17	18	23	35.3
Ravenswood	Maximum	69	72	74	78	77	78	62	66	80	78	84	81	65	63	78	85	80	78	70	78	80	80	80	76	79	78	70	65	57	62	78	74.2
	Minimum	45	37	41	44	53	51	42	41	44	55	47	46	34	26	29	32	38	55	45	31	57	44	39	37	40	45	42	35	27	25	27	40.5
Richwood	Maximum	63	68	71	71	76	66	65	74	80	66	73	72	70	57	67	77	74	72	61	76	75	74	66	75	73	68	61	52	54	53	63	68.2
	Minimum	48	36	38	45	56	57	41	36	41	50	41	40	29	23	26	29	33	47	47	31	45	47	39	35	41	44	40	31	23	22	27	38.4
Robertsburg*	Maximum	70	75	72	79	67	78	81	82	84	75	81	69	60	64	75	81	80	69	66	79	80	76	66	79	76	62	72	57	58	59	59	72.0
	Minimum	45	40	43	46	49	60	44	46	46	47	49	48	37	30	30	34	37	42	46	33	36	44	39	37	38	46	43	35	34	25	27	40.5
Ryan	Maximum	65	75	75	75	70	70	70	80	85	80	80	80	60	65	75	80	80	80	60	80	80	80	75	80	80	75	65	45	65	65	65	72.9
	Minimum	37	34	35	39	47	54	37	32	38	49	40	39	27	21	22	26	29	50	42	27	45	36	31	28	32	38	36	29	18	19	19	34.1
Spencer*	Maximum	82	72	72	78	78	77	69	77	81	76	79	76	57	60	71	78	77	70	60	77	85	62	77	78	79	62	62	50	58	58	66	71.1
	Minimum	43	38	40	43	46	60	42	41	42	47	45	41	32	26	28	31	35	40	41	31	50	41	35	35	40	46	43	34	27	24	26	38.5
Sutton	Maximum	64	72	74	77	77	72	72	76	85	85	76	76	76	60	70	79	79	75	69	78	80	80	73	77	80	80	57	55	54	57	66	72.6
	Minimum	44	41	43	47	49	59	43	41	43	51	46	46	33	29	26	30	33	54	45	33	41	47	40	38	37	43	44	36	25	23	26	39.9
Union	Maximum	69	70	70	66	64	63	..	76	82	82	75	75	66	..	70	71	73	73	63	68	..	71	71	70	73	73	62	..	54	56	58	69.0
	Minimum	46	58	40	47	55	55	..	36	40	52	44	49	32	..	25	30	34	47	45	33	..	44	37	36	39	44	40	..	22	24	26	40.0
White Sulphur Spgs.	Maximum	75	74	73	75	72	74	73	76	78	72	77	75	66	68	70	70	75	73	69	71	78	76	74	70	74	68	73	58	62	62	68	71.6
	Minimum	40	40	45	52	52	45	39	52	55	55	54	39	31	30	30	34	42	44	34	45	45	36	33	32	44	40	33	25	25	26	44	40.0
Williamson*	Maximum	67	71	72	72	66	74	69	73	76	66	74	70	61	61	68	72	72	67	59	72	75	74	68	73	73	73	68	49	59	58	65	68.3
	Minimum	52	51	52	53	54	60	51	50	48	50	56	55	42	37	36	37	41	44	53	44	47	48	44	44	43	45	43	36	28	30	34	45.4

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO. Cleveland, 11-26-34—900)

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WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

THE LIBRARY OF THE
MAR 13 1935
UNIVERSITY OF ILLINOIS

VOL. XLII PARKERSBURG, W. VA., NOVEMBER, 1934 No. 11

GENERAL SUMMARY

The month was decidedly warm and somewhat wet, the average temperature, 46.6°, was the sixth highest of November State record. There were two well-marked periods of warm weather, 3d to the 8th, and from the 17th to the 30th, the maximum temperatures on the 30th, were the highest of record for so late in the season at a number of stations. The coldest weather prevailed during the second decade, with the lowest readings on the morning of the 15th. The precipitation was unfavorably distributed, the amounts were unusually heavy over the northeastern districts near the close of the third decade. The snowfall was light to moderate, and averaged considerably below the normal This was the seventh month of the year with an excess in temperature and a deficiency in precipitation. The weather was generally favorable for outdoor work, and at the close of the month, winter grains were in fair to poor condition, corn was mostly cribbed, and pastures and meadows were green in scattered localities.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 46.6°, or 3.4° above the normal. Temperatures were above the normal from the 3d to the 8th, and from the 17th to the 30th, the highest readings being noted on the 19th and 30th. Moderately cold weather prevailed on the 1st and 2d, 6th, and from the 9th to the 16th, with the lowest temperatures on the 15th. The highest monthly mean temperature was 50.8° at Huntington, and the lowest, 41.8° at Alpena and Rainelle. The highest temperature was 80° at Ryan on the 21st and 30th, and Huntington and Weston on the 30th, and the lowest, 8° at Pickens on the 15th, making the monthly range for the State 72°. The greatest daily range was 60° at McNeill on the 17th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 3.30 inches, which was 0.53 inch more than the normal. The precipitation was the heaviest over the mountain and central districts, and lightest in the Ohio River counties. The greater portion of the precipitation was received on the 1st, 4-6th, 10-13th, 23d, and from the 28th to the 30th, the greatest amounts being measured on the 23d and 29th. The average snowfall for the State, 1.0 inch, was 1.2 inches less than the normal. The greatest monthly precipitation was 5.45 inches at Charleston, and the least, 1.79 inches at Dam No. 26, Ohio River. The greatest amount in any 24 consecutive hours was 1.95 inches at White Sulpher Springs on the 28th. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

Fogs, dense: Huntington and Pt. Pleasant, 2d; Huntington and Romney, 3d; Arbovale, Elkins, Huntington, Mannington, Marlinton, New Cumberland, and Valley Chapel, 5th; Huntington, 9th and 15th; Bancroft, Elkins, Grafton, Mannington, Valley Chapel, and Parsons, 20th; Kearneysville, 25th and 30th; Piedmont and Stony River Dam, 27th, 28th, and 30th; New Cumberland, 29th.

MISCELLANEOUS PHENOMENA (Continued)

Hail, light: Hinton, 30th; Pt. Pleasant, 6th; Roanoke, 5th.

Halo, lunar: Huntington and Parkersburg, 20th.

Sleet: New Cumberland and Valley Chapel, 2d.

Thunderstorms (dates and number of stations reporting): 1st, 9; 5th, 8; 6th, 8; 19th, 2; 30th, 3.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.12	30.54	15	29.48	3	8.9	27	sw.	30	77	54	59	48
Columbus, Ohio	30.11	30.52	15	29.54	3	12.8	33	w.	13	73	59	62	35
Elkins	30.19	30.61	15	29.71	30	7.8	32	w.	7	81	53	71	45
Parkersburg	30.17	30.56	15	29.65	4	7.3	27	se.	7	80	51	64	49
Pittsburgh, Pa	30.13	30.52	15	29.60	7	9.6	38	se.	26	74	61	63	39
Wytheville, Va	30.15	30.50	15	29.68	1	8.4	30	w.	13	79	56	66	53

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	42.5	−0.7	80	8	3.04	+0.27	......	......	......	8	....	....	....
1892	41.7	−1.5	81	3	3.10	+0.33	......	......	......	....	....	....	....
1893	41.4	−1.8	74	3	2.12	−0.65	3.22	0.47	......	8	13	6	11
1894	39.8	−3.4	82	5	2.11	−0.66	3.47	0.25	......	8	12	6	12
1895	44.6	+1.1	87	12	2.35	--0.42	4.00	0.20	......	9	12	8	10
1896	48.1	+4.9	80	10	3.50	+0.73	5.07	1.56	.....	8	10	8	12
1897	45.0	+1.8	76	13	4.45	+1.68	7.15	0.30	......	13	9	9	12
1898	41.4	−1.8	75	− 3	2.84	+0.07	4.74	1.00	......	10	9	11	10
1899	45.6	+2.4	76	14	1.93	−0.84	3.49	0.20	T.	8	11	9	10
1900	45.5	+2.3	86	9	5.20	+2.43	8.88	2.71	2.8	10	8	8	14
1901	38.0	−5.2	79	7	2.51	−0.26	5.35	1.23	4.3	7	8	6	16
1902	50.3	+7.1	83	12	3.27	+0.50	4.56	1.23	0.7	7	11	6	13
1903	38.0	−5.2	80	− 4	2.46	−0.31	4.98	0.67	4.6	9	11	8	11
1904	41.2	−2.0	75	9	0.64	−2.13	3.05	0.07	1.4	4	12	7	11
1905	41.8	−1.4	74	10	2.44	−0.33	5.67	0.67	T	9	13	7	10
1906	44.2	+1.0	84	13	2.39	−0.38	5.50	0.35	2.2	6	15	5	10
1907	41.8	−1.4	74	13	3.40	+0.63	7.05	1.41	1.0	9	10	8	12
1908	43.3	+0.1	81	0	1.14	−1.63	2.73	0 48	5.2	5	15	8	7
1909	49.1	+5.9	84	12	1.34	−1.43	3.85	0.23	0.2	7	14	7	9
1910	37.3	−5.9	75	5	1.95	−0.82	4.41	0.66	1.8	9	8	7	15
1911	40.5	−2.7	83	7	2.74	−0.03	5.54	1.27	2.0	8	10	7	13
1912	42.8	−0.4	78	2	1.69	−1.08	4.08	0.40	0.9	6	14	7	9
1913	44.5	+1.3	82	− 1	4.49	+1.72	7.50	0.61	13.4	10	12	5	13
1914	42.6	−0.6	84	2	1.32	−1.45	2.27	0.50	2.9	5	16	6	8
1915	45.2	+2.0	85	11	3.06	+0 29	5.99	1.15	1.1	9	13	8	9
1916	43.8	+0.6	81	8	1.77	−1.00	3.07	0.75	0.3	6	16	5	9
1917	39.6	−3.6	78	0	0.89	−1.88	3.65	0.05	1 5	10	16	4	10
1918	42.9	−0.3	79	12	1.89	−0.88	4.60	0.64	0.2	6	13	5	12
1919	44 4	+1.2	80	10	4 51	+1.74	7.53	0.85	0.3	10	12	6	12
1920	41.6	−1.6	80	5	3.21	+0.44	5.69	1.47	4.1	10	9	4	17
1921	46.1	+2.9	85	11	5.99	+3.22	8.81	2.52	0.8	13	7	6	17
1922	43.8	+0.6	80	2	1.15	−1.62	2.49	0.17	1.3	6	12	4	14
1923	42.3	−0.9	73	10	3.49	+0.72	5.35	1.70	0.7	11	13	3	14
1924	42.9	−0.3	87	9	2.05	−0.72	4.11	0.45	4.1	9	10	6	14
1925	40.6	−2.6	78	6	3.66	+0.89	6.62	0.65	0.9	9	11	5	14
1926	40.7	−2.5	82	4	3.59	+0.82	6.67	1.59	0.6	9	10	5	15
1927	48.1	+4.9	82	7	4.35	+1.58	7.61	0.91	1.6	12	7	7	16
1928	44.0	+0.8	81	9	3.31	+0.54	9.41	0.65	2.9	12	6	6	18
1929	42.9	−0.3	83	− 9	4.52	+1.75	8.10	1.74	3.6	13	7	5	18
1930	42.3	−0.9	80	−14	1.42	−1.35	4.45	0.46	4.8	9	11	6	13
1931	51.3	+8.1	88	11	1.81	−0.96	2.96	0.25	0.2	9	13	6	11
1932	40.9	−2.3	85	0	3.34	+0.57	6.27	0.89	0.2	8	13	5	12
1933	41.4	−1.8	88	− 5	1.98	−0.79	5.98	0.52	6.6	11	9	6	15
1934	46.6	+3.4	80	8	3.30	+0.53	5.45	1.79	1.0	9	12	7	11
Period	43.2	......	88	−14	2.77	....	9.41	0.05	2.2	9	11	7	12

Climatological Data for November, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	42.4	+3.1	68	18†	10	15	43	4.16	+1.00	1.08	4.5	13	17	2	11	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	44.6	+2.6	75	19	11	15	51	3.70	+1.83	1.40	T.	6	14	2	14	s.	Elmer Keister
Circleville	Pendleton	...	2	...	...	...	...	...	...	...	4.40	...	1.08	0.9	13	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	45	...	...	...	...	...	...	...	1.84	−0.45	0.74	0	8	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	4	47.2	...	77	19	20	15	41	3.21	...	0.95	0	8	11	7	12	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	^{a}46.4	+3.2	75^{a}	19	23	15†	47^{a}	3.18	+0.88	0.85	T.	12	22	4	4	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	46.8	+2.1	78	18†	9	15	60	3.24	+1.62	1.05	0	7	7	5	18	w.	John W. McNeill
Piedmont	Mineral	1,053	21	45.7	+3.5	72	18	24	15	35	3.43	+1.35	1.16	T.	11	11	5	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	47.0	+3.9	76	18	17	15	44	3.44	+1.57	1.10	T.	10	9	2	19	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14	...	...	...	...	...	...	...	4.01	+1.06	0.64	10.5	14	8	3	19	w.	A. C. Becker
Upper Tract	Pendleton	1,230	35	...	...	75	20	...	...	...	3.91	+2.38	1.41	0	6	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	13	47.1	+3.2	78	19	12	16	49	1.94	+0.31	0.64	T.	11	14	11	5	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10	...	...	...	...	...	...	...	3.03	−0.31	1.04	T.	8	7	13	10	w.	L. Else Bond
Alma (near)	Tyler	800	7	...	...	...	...	...	...	...	2.65	...	1.00	0.5	10	12	5	13	...	D. N. Furbee
Alpena	Randolph	2,571	4	41.8	...	66	20	9	15	40	4.67	...	1.23	7.0	13	12	7	11	...	Christian Hertig
Benson	Harrison	1,080	10	44.5	+1.4	73	30	10	15	52	2.87	−0.62	1.15	T.	7	10	11	9	...	R. D. Marts
Bens Run	Pleasants	652	32	47.8	+3.7	75	21†	21	15	38	2.46	−0.45	1.03	T.	10	17	8	5	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	47.5	+2.9	77	30	14	15	52	3.03	−0.64	1.16	0	8	10	13	7	...	W. B. Worley
Buckhannon	Upshur	1,411	37	47.0	+4.8	72	3†	16	15	46	2.74	−0.75	1.26	T.	6	12	13	5	...	H. A. Darnall
Cairo	Ritchie	680	33	46.8	+3.1	76	22	14	15	46	3.44	+0.52	1.66	T.	5	13	3	14	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	44.2	+1.4	74	22†	14	15	51	2.91	−0.28	1.07	T.	10	12	8	10	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11	...	...	...	...	...	...	...	2.89	−0.65	1.11	T.	8	12	11	7	nw.	George W. Blair
Creston	Wirt	640	32	46.5	+2.3	77	30	15	15	48	2.73	−0.03	1.05	T.	6	10	2	18	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	13	...	...	...	...	...	...	...	3.57	+0.42	1.09	1.0	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	18	...	...	...	...	...	...	...	2.26	−0.61	1.01	0	8	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	13	...	...	...	...	...	...	...	3.07	−0.22	1.15	0.5	11	...	...	...	...	Lockmaster
Davis	Tucker	3,093	25	...	...	...	...	...	...	...	4.49	+1.22	0.91	14.5	15	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	22	...	...	...	...	...	...	...	1.98	−0.93	1.15	T.	8	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	33	44.6	+4.3	71	19	13	15	43	3.45	+0.67	1.37	0.5	14	8	7	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	28	47.6	+4.7	76	22	18	15	47	2.96	+0.09	0.92	1.0	10	11	4	15	s.	J. C. Robinson
Glenville	Gilmer	738	40	48.9	+4.6	79	30	16	15	51	3.37	+0.18	1.26	T.	7	8	7	15	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	48.8	+5.7	77	30	16	15	47	3.91	+0.92	1.40	1.0	7	9^{h}	3^{h}	10^{h}	...	W. E. Clayton
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	9	...	...	...	...	...	...	...	4.56	+1.39	1.53	3.0	7	13	8	9	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	46.6	+1.8	75	30	14	15	51	3.06	−0.26	1.08	0	6	12	8	10	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	45.6	+3.0	76	30	11	15	52	2.99	+0.16	1.22	T.	7	13	5	12	w.	Allen Smith
Mannington	Marion	985	31	45.7	+3.7	74	22	15	15	46	2.83	−0.03	1.01	1.0	12	11	6	13	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	36	45.0	+3.4	75	22	22	15	42	2.68	+0.36	0.73	0.6	14	9	6	15	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	48.6	+3.8	76	21†	18	15	45	2.80	−0.10	1.38	0	5	11	9	10	n.	Wm. Ankrom
Parkersburg	Wood	638	47	47.4	+3.6	76	22	19	15	37	2.16	−0.41	0.98	T.	10	6	10	14	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	^{b}47.4	+6.2	75^{b}	19	14^{b}	15	45	3.06	+0.13	1.00	0.5	6	8	8	14	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	8	...	...	...	...	...	...	...	3.37	+0.44	0.97	2.0	14	14	9	7	...	Robert T. Deem
Philippi	Barbour	1,550	37	...	...	...	...	...	...	...	3.33	+0.26	0.80	0.5	12	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	31	43.2	+2.8	71	20	8	15	43	5.18	+0.98	1.34	7.0	10	15	8	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	2.85	−0.52	1.20	T.	7	14	5	11	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	25	...	...	...	...	...	...	...	2.77	−0.24	1.05	0.3	9	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hopemont Sanitarium
Thomas	Tucker	2,950	5	...	...	...	...	...	...	...	3.88	...	0.77	4.5	11	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	11	46.8	+1.8	73	3†	15	15	49	3.38	+0.11	1.22	T.	8	10	14	6	nw.	J. C. Campbell
Vandalia	Lewis	1,120	11	...	...	...	...	...	...	...	3.16	−0.22	1.27	0	6	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	27	45.5	+3.7	76	22	16	15	46	2.83	+0.28	1.07	T.	10	15	5	10	w.	George P. Pfister
West Milford	Harrison	979	9	...	...	...	...	...	...	...	3.43	−0.18	1.40	0	6	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	39	49.0	+5.0	80	30	14	15	51	3.13	−0.15	0.96	0	10	4	16	10	...	A. Henry
Wheeling (Dam 12)	Ohio	659	47	45.0	+2.8	76	21†	21	15	44	2.41	−0.20	0.99	0.5	8	9	8	13	...	Lockmaster
Woodlands	Marshall	637	7	...	...	...	...	...	...	...	1.91	...	1.05	T.	5	6	9	15	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8	...	...	...	...	...	...	...	4.73	...	1.50	1.0	9	15	3	12	s.	H. S. Sutton
Bancroft	Putnam	574	30	48.2	+3.5	75	19	19	15	47	2.92	+0.28	1.47	T.	4	11	4	15	w.	Charles N. Long
Beckley	Raleigh	2,440	31	44.4	+1.1	72	30	12	15	42	4.36	+2.01	1.30	2.0	13	9	13	8	...	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	39	47.0	+2.1	71	19†	18	15	40	4.75	+2.45	1.61	0	10	9	5	11	...	Norfolk & Western Ry.
Charleston	Kanawha	600	31	50.6	+2.7	79	30	22	15	36	5.45	+2.36	1.75	T.	6	13	6	11	...	S. E. Damron
Clay	Clay	706	18	...	...	...	...	...	...	...	3.52	+0.81	1.30	1.0	8	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	7	...	...	...	...	...	...	...	3.43	+0.85	1.58	0	6	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	18	...	...	...	...	...	...	...	2.22	−1.14	0.78	T.	8	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	18	...	...	...	...	...	...	...	2.19	−0.98	0.84	0	9	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	7	...	...	...	...	...	...	...	2.26	...	0.76	0	5	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	18	...	...	...	...	...	...	...	1.79	−0.91	0.70	0	5	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	18	45.8	+0.8	76	30	18	15	46	3.31	+0.49	1.28	0.5	12	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	46.8	+2.7	77	19	20	15	50	4.03	+1.71	1.42	0.2	9	18	2	10	...	Mrs. M. L. McClung
Huntington	Cabell	538	37	50.8	+6.5	80	30	21	15	42	2.36	−0.41	0.70	0.4	8	8	10	12	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	15	...	...	...	...	...	...	...	3.70	+0.57	1.42	T.	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	18	...	...	...	...	...	...	...	3.31	−0.10	1.24	2.0	8	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rose Argabrite
Logan	Logan	700	31	...	...	...	...	...	...	...	2.46	−0.53	0.92	0	8	...	...	...	...	J. R. Wampler
Madison	Boone	675	13	46.6	+3.1	77	30	18	14	43	3.52	+0.87	1.15	0	8	22	3	5	...	W. E. Holy
Marlinton	Pocahontas	2,131	35	45.4	+7.8	64	19†	22	14	26	2.73	−0.32	0.87	T.	5	4	18	8	sw.	Miss Virginia Crocket
Point Pleasant	Mason	595	41	48.4	+3.1	78	30	18	15	39	2.29	−0.62	0.78	T.	8	8	11	11	ne.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	^{e}41.8	...	72^{d}	30	13^{e}	15	50^{e}	5.17	...	1.12	3.5	13	12	6	12	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	50.0	+4.3	76	1†	17	15	48	2.41	−0.90	1.20	0	5	10	7	13	ne.	Lockmaster
Richwood	Nicholas	2,193	4	46.0	...	73	30	14	25	43	5.03	...	1.38	6.0	13	8	10	12	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	47.5	+3.9	77	21†	16	15	46	3.13	−0.25	1.25	0	6	19	0	11	...	M. Frazier
Ryan	Roane	700	31	43.8	+0.4	80	21†	10	15	50	3.49	+0.03	1.40	0.7	8	11	7	12	...	Wm E. Ryan
Sharples	Logan	889	14	...	...	...	...	...	...	...	3.05	−0.53	1.10	T.	4	...	...	...	...	R. W. Howard
Spencer	Roane	789	30	47.6	+3.5	75	21	16	15	43	2.30	−1.05	1.22	1.0	5	12	9	9	...	A. M. McKown
Summersville	Nicholas	1,894	1	...	...	...	...	...	...	...	3.46	...	1.20	2.5	8	...	...	...	...	Carl Perry
Sutton	Braxton	850	28	47.4	+3.4	78	30	15	15	45	4.08	+0.06	1.35	1.0	7	23	0	7	...	C. B. Eakle
Thornwood	Pocahontas	2,723	0	...	...	...	...	...	...	...	4.48	...	1.30	...	8	...	...	...	...	Eva R. Smith
Union ^{d}	Monroe	2,250	30	45.8	+3.4	69	30	17	15	43	4.30	+1.46	1.70	0.2	6	13	8	5	...	C. B. King
Wayne	Wayne	598	7	...	...	...	...	...	...	...	2.91	...	0.93	...	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	48.8	+6.7	71	4†	19	15	46	5.25	+2.10	1.95	T.	8	18	6	6	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	34	47.9	+2.3	73	22	24	15	37	4.05	+0.22	1.89	T.	12	12	10	8	ne.	J. E. Dotson
State averages and	extremes	...	...	46.6	+3.4	80	21†	8	15	60	3.30	+0.53	1.95	1.0	9	12	7	11	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for November, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	.55	.02		.31		.40		.38		.10	.04	.24	.16										1.08					.10	.56	.22		4.16
Brandywine	....do	.30			.20		.25						T.	T.	T.	T.								1.40						1.10	.45		3.70
Circleville	....do	.74	.12		.23	.13	.28	.08				.07	.14	.03	.09									.94	.47				T.	1.08	T.		4.40
Harpers Ferry ‖‖	....do	.10			.27		.16																		.74			.06	.13	.10	.28		1.84
Kearneysville	....do	.22			.67			.24															T.	.34	.13				.26	.95	.40		3.21
Martinsburg ‖‖	....do	.20	.10		.50	.12	.25		T.			T.		T.									.05	.01	.85			.15	.10	.55	.30		3.18
McNeill	....do	.30			.15	T.	.07		.04		T.	T.	T.	T.	T.									1.03	T.		T.	T.	T.	1.05	.60		3.24
Piedmont	....do	.25			.32		.18				.01	.14	T.	.05									T.	1.16				.05	.10	.07	1.10		3.43
Romney‖‖	....do	.35			.20		.20					.05	T.											1.10	.08			.01	.02	.95	.48		3.44
Stony River Dam	....do	.22	.08		.38		.40		.12				.16	.08	.08	.34								.64	.60				.30	.51	.10		4.01
Upper Tract	....do	.57			.18		T.																	1.41					.08	.93	.74		3.91
Wardensville ‖‖	....do	.18	T.	T	.23	T.	.33	.02	.02		.02	T.	T.											.08	.64				.02	.05	.35		1.94
Northern Division																																	
Aberdeen	Monongahela	.81			.48	.03	.36				.02	T.	T.	T.	T.									1.04	T.					.20	.09		3.03
Alma (near)	Ohio	.32			.48	.06	.17				.14	.02												1.00					.03	.33	.10		2.65
Alpena	Monongahela	.72			.22	T.	.56		.04		T.	.04	.32	.15	.04	.16								1.23	T.				.07	.62	.50		4.67
Benson	....do	.35			.60						.25	T.	.03											1.15						.35	.14		2.87
Bens Run	Ohio	.28			.57	.03	.12		.10		.04	T.												1.03				T.	.04	.10	.15		2.46
Brownsville	Monongahela	.48			.54		.48				.02													1.16	.03					.22	.10		3.03
Buckhannon	....do	.70				T.	.28				T.	T.	T.	T.	T.									1.26	.05		T.		T.	.35	.10		2.74
Cairo	Little Kanawha	.68			.56		.28					T.												1.66						.26			3.44
Clarksburg‖‖	Monongahela	.60	.02		.57		.16		.04			.05	T.	T.	.01									1.07	.10					.29			2.91
Crawford‖‖	....do	.72	.03		.28		.33					T.	T.		T.									1.11	.04		T.			.28	.10		2.89
Creston‖‖	Little Kanawha	.52			.48		.38						.08											1.05						.22			2.73
Dam 10, Mon. R.‖‖	Monongahela	1.09		.71			.17					.03	.12	.09	.02									.77	.31					.26			3.57
Dam 13, O. R.‖‖	Ohio	.14			.62		.14					.08	.02											1.01	.03					.22			2.26
Dam 15, Mon. R.‖‖	Monongahela	.63	T.		.73		.12		.06			.03	.05	.04							.01			.95	.20					.25			3.07
Davis ‖‖	....do	.40	.14		.10		.39	.05		T		.50	.30	.15	.10	.08	.04							.21	.82			T		.91	.30		4.49
Elizabeth (D'm 3 LK)	Little Kanawha		.01		.32		.20					.01	T.											1.15				.01		.25	.03		1.98
Elkins***	Monongahela	.36			.25	.39	.18		.01		T.	.03	.11	.06	.01									1.33	.05		T.		.11	.29	.27		3.45
Fairmont‖‖	....do				.71	.17		.15			.03	.04	.04	T	T.								.92	.21					.27		.42		2.96
Glenville ‖‖	Little Kanawha	.55			.52		.58						.04	T.	T.									1.10	.16					.42			3.37
Grafton ‖‖	Monongahela	.66			.60	T.	.44		.20		T.	T.	.08	T.	T.									1.40					T.	T.	.53		3.91
Horner	....do																																
Horton	....do	.97			.25		.53						.20	T.										1.53						.56	.52		4.56
Janelew (near)	....do	.80			.53		.20																	1.08						.30	.15		3.06
Lost Creek	....do	.48			.58	T.	.24		.02			T.	T.	T.	T.					T.				1.22						.26	.19		2.99
Mannington	....do	.63			.50		.14		.04		.04	T.	.05	.05	T.					.04				1.01	.05					.20	.08		2.83
Morgantown	....do																																
New Cumberland‖‖	Ohio	.10	.04		.60		.41					.03	.01	.01	.06						.73			.50	.07			.01		.10	.01		2.68
New Martinsville	....do	.50			.62		.10					T.	T.											1.38						.20			2.80
Parkersburg***	....do	.04		.02	.51	.16			T.		.03	T.		T.	T.					T.			.45	.53			T.		.28	.10	.04		2.16
Parsons	Monongahela	.52			.45	.35						.04	T.											1.00					.70				3.06
Parsons No. 2	....do	.65			.45	.05	.35		.05		.03	.05	.06	.01	.02									.97	.06			T.		.42	.20		3.37
Philippi	....do	.78	.02		.41		.32	.03	.02			.05	.10	.02										.80	.50					.28			3.33
Pickens	....do	1.22			.37	.71						.10	.10	.13	.18									1.34	T.					.53	.50		5.18
Roanoke	....do	.78			.38	.10					T.	T.	T.											1.20	.04					.22	.13		2.85
Saint Marys‖‖	Ohio	.36			.62		.31		.08				.03									T.	1.05	.02					.25	.05			2.77
Terra Alta	Monongahela																																
Thomas ‖‖	....do	.66	.06		.02		.77		.12	.02		.08	.20	T.										.73	.64					.58	T.		3.88
Valley Chapel	....do	.68	T.		.60	T.	.33		.02		.03	T.	T.		T.									1.22						.33	.17		3.38
Vandalia	....do	.85			.29		.39																	1.27						.24	.12		3.16
Wellsburg	Ohio	T.	.18		.62	.25	.10				T.	T.	.05	.04						.26				1.07						.21	.05		2.83
West Milford	Monongahela	.40			.58				.30		.10													1.40							.65		3.43
Weston	....do	.68	T.		.64		.36		.02			T.	.01	T.	.02									.96	.08					.28	.08		3.13
Wheeling (Dam 12)‖‖	Ohio	.15	.03		.65	T.	.34					.01		T.	T.						T.	T.		.99				.01		.23	T.		2.41
Woodlands‖‖	....do	.28	T.		.54							.03	.01	T.										1.05							T.		1.91
Southern Division																																	
Arbovale	Great Kanawha	.53	T.			.25	.28					T.	.08	T.	.12									1.50	T.		T	.02	1.30		.65		4.73
Bancroft ‖‖	....do	.81			.32							T.												1.47						.32			2.92
Beckley	....do	1.30	T.		.34	.10	.35				.08	T.	.14		.08									.95	.06			.06	.07	.44	.39		4.36
Bluefield	....do	.84				.37	.21				.11		.07		.18									1.07				.05	.24		1.61		4.75
Charleston	....do	1.13			.31							.30												1.50					T.	1.75	.46		5.45
Clay‖‖	....do	.94			.36		.39						.08		.02	T.								1.30	.15					.28			3.52
Dam 6 G. K. ‖‖	....do	.96			.26		.22																	1.58	.08					.33			3.43
Dam 19 O. R. ‖‖	Ohio	.33	T.		.60		.09		T.			.02	.02	T.	T.									.78				T.	T.	.34	.04		2.22
Dam 20 O. R. ‖‖	....do	.20			.54		.10		.01			.02	.02		T.						T.			.84				T.		.40	.06		2.19
Dam 25 O. R. ‖‖	....do	.47			.76																			.74						.25	.04		2.26
Dam 26 O. R. ‖‖	....do				.47		.12																	.70						.45	.05		1.79
Gary ‖‖	Big Sandy	1.28			.19		.24					.11	.05		.18							.01		.55	.06			.01		.53	.10		3.31
Hinton‖‖	....do	1.15			.20							.05	.05	T.	.06	T.								.86	23			.01	T.	1 42	T.		4.03
Huntington	Ohio	.70			.45	T.	.05					.01	.05		T.							T.		.65			.03		T.	.42	T.		2.36
Kanawha Falls‖‖	Great Kanawha	.96			.45		.53						T.		.16									1.20	.22					.18			3.70
Kayford‖‖	....do	1.24			.46		.33						.06	T.	.08									.87	.15					.12			3.31
Kingston	....do																																
Lewisburg	....do																																
Logan‖‖	Guyandotte	.85			.35		.05						.05		.08									.92				.04		.12	T.		2.46
Madison	Great Kanawha	1.15		.30		.21						.05		.06									1.06						.18	T.	.51		3.52
Marlinton	....do			.32		.17						T.	T.										T.		.64			T.	T.	.87	.73		2.73
Point Pleasant‖‖	Ohio	.36				.65	.14						.04											.78				.02	T.	.26	.04		2.29
Rainelle	Meadow Creek	1.12			.43	.07	.76					.02	.22		.02									1.07	.03			.03	.05	.88	.47		5.17
Ravenswood (Dam 22	Ohio‖‖				.44		.30																	1.20						.42	.05		2.41
Richwood	Great Kanawha	1.14	.02		.45	.07	.47					.04	.30		.15									1.38	.04				.04	.45	.48		5.03
Robertsburg‖‖	....do	.70			.45		.10						T.											1.25						.60	.03		3.13
Ryan	....do	.88			.36	.07	.39					T.	.07											1.40			.01			.31			3.49
Sharples‖‖	Coal River	1.10			.35								T.											1.10							.50		3.05
Spencer ‖‖	Great Kanawha		T.		.43		.33						.08	T.										1.22	T.			T.	T.	.24	T.		2.30
Summersville	....do	.85			.34		.32						.11		.04									1.20	.22					.38			3.46
Sutton	Gauley	1.19			.51		.35						.08											1.35						.40	.20		4 08
Thornwood	Great Kanawha	T.			.30		.42					.01	T.	.25									1.30	.20			T.		1.00		1.00		4.48
Union	Gauley	1.00					.25				T.				.02									1.08					T.	1.70	.25		4.30
Wayne‖‖	Big Sandy	.80			.55		.02						.10		.02									.93				.03		.44	.02		2.91
White Sulpr. Spgs.‖‖	Great Kanawha			.40		.40						T.											.70	.55				.10	1.95	.10	1.05		5.25
Williamson‖‖	Big Sandy	1.39			.35		.03					.02	.04	.01	.04									1.88	.01			.01		.17	.10		4.05

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	57	45	60	62	60	56	55	54	48	47	40	37	41	37	45	54	60	68	68	64	64	60	60	45	48	43	57	60	63	68	....	54.2
	Minimum	32	25	17	43	32	35	34	31	22	23	27	23	22	31	10	32	28	25	30	26	32	48	45	28	30	22	34	40	45	43	....	30.5
Brandywine	Maximum	60	52	60	72	70	60	63	60	56	57	50	34	54	35	57	64	71	70	75	70	69	68	65	50	45	50	56	62	65	60	....	59.3
	Minimum	30	25	25	40	29	37	28	32	21	26	27	28	30	27	11	18	20	22	28	27	41	40	50	34	18	18	38	40	42	48	....	30.0
Kearneysville	Maximum	58	52	55	76	72	58	56	66	54	47	48	42	54	46	50	60	65	70	77	70	59	70	65	54	46	44	44	53	58	65	....	57.8
	Minimum	28	29	25	46	42	55	42	38	30	30	33	34	28	30	20	26	34	32	36	39	44	53	53	38	28	25	37	42	52	51	....	36.7
Martinsburg*	Maximum	52	55	58	74	67	57	66	61	50	50	47	45	55	47	50	61	67	70	75	68	58	70	62	61	48	44	48	56	60	..	....	58.0
	Minimum	34	30	25	27	40	45	38	41	32	30	32	34	30	31	23	23	28	34	36	38	40	43	51	38	30	27	31	37	46	53	....	34.9
McNeill	Maximum	62	56	60	75	70	60	65	64	55	54	52	39	56	45	59	65	71	78	78	71	70	71	69	55	50	48	51	64	67	61	....	61.4
	Minimum	44	25	18	44	30	46	31	40	21	23	32	33	30	30	9	16	11	23	28	28	40	43	53	36	19	16	38	53	52	51	....	32.1
Piedmont	Maximum	46	48	57	67	65	46	60	61	49	51	42	35	48	33	47	56	63	72	71	66	53	68	57	54	42	37	43	52	63	60	....	53.7
	Minimum	39	33	25	53	39	44	43	41	28	30	35	30	30	32	24	34	33	40	36	37	40	53	54	36	33	26	38	43	52	50	....	37.7
Romney	Maximum	45	45	60	72	66	59	63	63	58	53	49	40	57	46	52	61	69	76	75	69	60	72	69	55	45	44	61	60	62	61	....	58.9
	Minimum	42	28	21	43	36	45	38	40	30	26	35	33	30	33	17	20	26	38	31	31	38	53	54	38	24	21	40	39	47	53	....	35.0
Upper Tract	Maximum	61	52	61	71	66	62	63	63	56	56	50	34	..	36	51	60	69	..	..	75	66	67	65	66	69	68	68	63	68	62	....	61.0
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	26	..	..	31	44	54	51	52	52	..	44	43	42	47	....	....
Wardensville	Maximum	63	58	50	68	71	65	58	75	75	50	53	55	68	50	50	57	64	69	78	75	74	64	69	64	57	46	40	51	64	65	....	61.5
	Minimum	42	26	20	37	30	44	30	33	31	26	30	34	34	34	13	12	20	26	29	36	40	50	56	36	31	18	26	39	50	49	....	32.7
Northern Division																																	
Alpena	Maximum	57	60	62	59	61	48	54	48	48	48	38	26	41	38	42	52	58	65	61	66	63	62	60	55	43	41	56	60	61	60	....	53.1
	Minimum	33	21	27	44	31	33	35	35	21	29	25	21	20	21	9	19	19	25	32	29	45	53	44	27	20	27	37	42	49	45	....	30.6
Bens Run	Maximum	64	50	68	59	66	52	62	61	52	49	48	39	48	45	47	56	61	65	70	65	75	74	70	49	48	51	64	67	70	75	....	59.0
	Minimum	28	27	30	54	39	43	45	42	29	34	32	30	33	26	21	24	31	34	40	39	44	55	42	36	27	29	45	42	46	53	....	36.7
Buckhannon	Maximum	63	49	72	64	64	58	62	60	58	53	48	45	47	49	44	53	62	65	69	68	72	71	69	50	50	52	63	69	64	72	....	59.5
	Minimum	40	29	26	52	34	40	39	42	26	30	32	28	28	27	16	20	25	28	34	32	39	59	46	33	24	23	44	44	45	50	....	34.5
Cairo	Maximum	66	47	69	73	61	67	63	66	65	55	49	39	48	50	42	54	60	69	70	74	75	76	72	46	50	48	65	67	68	70	....	60.8
	Minimum	37	20	23	54	32	42	38	42	23	29	31	27	28	34	14	16	23	25	37	31	39	49	45	36	19	20	40	33	49	47	....	32.8
Clarksburg *	Maximum	46	50	73	63	64	48	60	60	51	49	39	36	48	36	46	55	62	66	71	65	73	74	67	53	47	51	69	69	65	74	....	57.7
	Minimum	28	29	22	26	35	35	39	39	23	25	31	31	29	33	14	16	18	25	30	31	31	39	52	35	22	26	26	37	38	52	....	30.6
Creston	Maximum	49	52	70	61	69	56	64	63	55	52	47	36	58	56	48	60	66	69	75	69	74	74	72	45	48	50	68	66	61	77	....	60.3
	Minimum	38	20	22	53	31	42	37	40	24	28	31	26	29	25	15	16	22	26	33	30	43	63	41	35	20	21	42	36	48	45	....	32.7
Elkins	Maximum	57	50	63	63	64	42	58	57	52	51	37	28	45	32	46	55	62	69	71	68	67	67	64	37	51	46	61	64	65	69	....	55.4
	Minimum	32	28	24	50	34	38	41	35	24	30	27	26	27	19	13	18	21	26	31	29	57	60	37	29	25	35	44	53	49	49	....	33.7
Fairmont	Maximum	45	54	74	64	68	59	60	65	57	47	39	40	46	40	52	61	71	73	72	69	75	76	65	54	56	52	75	69	70	75	....	60.8
	Minimum	33	30	27	32	33	39	40	40	26	29	35	30	30	32	18	21	26	34	36	36	36	45	54	35	26	28	35	44	46	54	....	34.3
Glenville	Maximum	76	55	75	66	70	58	76	66	63	53	50	40	51	50	51	59	68	72	75	71	73	74	75	46	51	52	70	69	67	79	....	63.4
	Minimum	43	23	24	56	35	43	37	43	25	30	33	30	30	34	16	18	22	27	33	30	41	63	44	36	23	22	40	35	50	47	....	34.4
Grafton	Maximum	60	54	75	64	65	60	63	63	55	51	45	35	48	46	50	59	65	70	74	70	75	70	70	47	57	51	71	69	70	77	....	61.1
	Minimum	40	32	28	55	40	43	41	40	25	30	33	30	30	32	16	20	26	29	36	35	43	61	53	34	25	27	43	43	54	49	....	36.4
Lost Creek	Maximum	62	55	72	63	61	60	60	58	64	47	45	33	47	48	51	60	64	64	72	65	71	70	69	44	42	52	75	70	71	76	....	59.7
	Minimum	38	25	20	50	30	40	38	40	20	25	30	27	28	28	11	14	20	22	32	28	36	59	42	32	18	19	39	35	50	52	....	31.6
Mannington	Maximum	61	46	69	64	62	58	59	59	48	48	46	36	46	45	43	54	61	65	69	67	72	74	70	45	47	50	63	68	64	70	....	57.6
	Minimum	36	25	23	54	34	42	40	36	22	28	33	30	29	27	15	17	25	27	33	32	38	61	45	35	22	29	37	38	52	48	....	33.8
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Cumberland*	Maximum	43	47	68	61	60	48	54	55	48	40	52	38	42	36	47	57	60	67	58	60	73	75	58	54	48	48	65	70	61	73	....	55.5
	Minimum	33	25	26	28	39	39	41	36	25	28	35	30	30	30	22	23	25	36	40	40	40	43	54	35	25	30	37	42	51	49	....	34.6
New Martinsville	Maximum	62	51	70	66	66	59	60	61	52	50	47	37	48	47	49	67	61	68	71	68	76	76	73	44	49	52	69	69	65	76	....	60.3
	Minimum	38	25	26	54	47	46	45	40	25	33	36	30	31	32	18	22	32	34	41	37	42	51	43	36	25	27	45	42	52	52	....	36.9
Parkersburg	Maximum	49	48	68	60	65	51	62	61	52	50	39	36	50	38	48	58	62	68	72	67	74	76	57	42	45	50	65	68	64	76	....	57.4
	Minimum	32	24	31	44	37	42	48	39	28	35	32	29	35	23	19	24	32	37	50	41	51	57	35	33	29	29	47	50	54	55	....	37.4
Parsons	Maximum	63	64	65	65	66	50	55	60		57	45	35	45	..	50	60	64	70	75	69	70	69	67	45	54	53	61	65	63	70	....	59.8
	Minimum	27	27	24	53	47	36	37	38	..	25	28	28	28	..	14	19	23	25	30	32	45	60	40	31	30	35	43	50	53	48	....	34.9
Pickens	Maximum	52	54	67	60	62	44	58	62	54	54	39	34	41	39	51	54	61	66	68	71	65	64	62	53	49	45	61	62	63	66	....	56.0
	Minimum	32	32	27	46	32	31	30	35	19	20	24	20	20	12	8	20	25	31	40	36	49	54	27	25	18	33	28	42	50	49	....	30.5
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wellsburg	Maximum	52	47	68	64	64	56	56	57	48	50	47	36	42	42	46	56	63	66	63	68	73	76	70	42	47	49	67	72	68	74	....	57.6
	Minimum	35	19	22	52	33	35	43	35	23	30	30	30	31	31	16	18	30	31	40	38	40	45	42	36	24	24	40	36	52	41	....	33.4
Weston	Maximum	56	54	76	70	72	70	65	62	60	58	46	42	50	48	50	60	68	72	75	74	76	75	72	63	48	50	74	71	72	80	....	63.6
	Minimum	40	29	25	50	35	40	41	42	25	30	33	29	30	31	14	20	25	28	35	32	40	62	45	35	22	21	41	35	48	49	....	34.4
Wheeling (Dam 12)	Maximum	48	45	71	60	55	47	57	59	49	49	39	45	45	36	47	56	62	66	69	69	76	76	55	43	41	51	68	71	68	75	....	56.6
	Minimum	28	26	27	28	40	38	41	29	28	28	31	31	31	23	21	23	27	39	39	39	39	44	37	31	28	30	39	39	48	51	....	33.4
Southern Division																																	
Beckley	Maximum	56	52	57	64	63	48	60	61	58	50	41	30	48	46	52	58	63	67	70	67	67	67	63	44	49	40	56	60	65	72	....	56.5
	Minimum	38	19	32	45	31	36	36	31	22	32	27	21	19	24	12	20	21	28	45	36	49	54	38	28	19	26	37	43	49	53	....	32.4
Bluefield	Maximum	61	55	56	..	64	50	62	66	62	62	..	46	48	46	53	59	64	..	71	66	65	65	64	50	..	51	47	54	..	71	....	58.3
	Minimum	40	25	36	..	38	39	38	40	29	39	..	18	24	28	18	28	28	..	31	46	55	56	49	30	..	23	37	45	..	51	....	35.6
Charleston	Maximum	53	53	68	65	67	62	68	68	61	57	50	42	54	49	49	57	65	67	73	72	76	76	71	53	44	52	66	67	67	79	....	61.7
	Minimum	43	28	34	57	41	44	45	41	31	41	35	34	32	32	22	26	29	33	41	38	53	53	53	38	27	32	44	52	54	51	....	39.5
Gary *	Maximum	52	56	66	66	67	50	64	66	63	48	38	34	50	35	55	59	63	70	74	72	70	72	66	42	55	49	61	62	70	76	....	59.0
	Minimum	32	26	27	36	38	38	32	33	28	29	30	29	22	24	18	19	21	24	28	31	32	62	54	35	24	25	35	41	50	54	....	32.6
Hinton *	Maximum	57	59	63	75	72	52	67	68	62	46	37	34	56	30	60	67	67	74	77	72	69	70	58	46	53	44	60	62	64	76	....	59.9
	Minimum	31	27	28	30	39	40	35	35	29	29	35	29	25	29	20	21	23	25	27	31	32	60	55	38	26	28	33	42	53	54	....	33.6
Huntington	Maximum	63	55	72	66	68	57	70	68	60	58	49	39	54	52	55	63	66	71	78	74	78	77	68	49	47	52	67	68	69	80	....	63.0
	Minimum	41	27	30	54	37	42	46	39	29	36	34	32	33	35	21	23	26	31	44	38	51	67	46	37	27	29	45	50	55	54	....	38.6
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Madison	Maximum	54	56	70	66	68	57	68	66	59	54	43	40	55	51	40	58	65	70	73	71	75	76	56	43	47	52	66	68	67	77	....	60.4
	Minimum	24	27	31	38	38	35	32	27	28	30	30	25	33	20	18	21	22	33	30	32	55	52	35	24	27	36	40	49	45	44	....	32.7
Marlinton	Maximum	52	52	54	60	58	58	56	54	48	50	46	48	48	40	46	54	58	60	64	64	58	60	60	60	50	46	38	48	56	62	....	53.6
	Minimum	34	36	48	54	52	38	38	46	30	30	30	24	28	22	24	28	32	34	40	40	44	46	54	42	28	28	30	34	46	54	....	37.1
Point Pleasant	Maximum	54	52	67	65	67	53	65	66	64	53	51	38	52	50	48	57	64	67	74	71	76	77	75	45	45	50	65	65	63	78	....	60.6
	Minimum	36	28	28	53	35	39	46	46	28	32	34	26	29	33	18	20	25	30	41	36	47	60	41	35	25	27	44	42	51	54	....	36.3
Rainelle	Maximum	56	49	54	65	64	47	60	..	..	60	44	31	46	44	53	57	65	68	70	62	65	..	..	50	47	44	47	59	61	72	....	55.4
	Minimum	36	19	28	46	31	30	27	..	..	21	29	23	16	27	13	15	15	20	25	25	..		..	30	17	28	36	47	50	53	....	28.3
Ravenswood	Maximum	76	70	72	65	66	68	67	67	55	54	53	42	51	54	50	59	62	66	74	73	75	76	76	49	45	52	65	67	68	72	....	63.0
	Minimum	39	22	27	54	35	40	44	42	24	31	33	29	31	34	17	20	25	33	42	34	48	66	42	36	23	26	45	51	52	63	....	36.9
Richwood	Maximum	61	51	58	64	65	52	62	61	59	53	49	45	46	47	55	60	64	69	72	65	66	69	65	48	55	53	48	64	67	73	....	58.9
	Minimum	37	24	34	48	35	39	31	34	26	32	27	24	21	28	15	20	22	26	31	31	52	47	47	31	14	24	38	48	52	54	....	33.1
Robertsburg*	Maximum	50	55	72	60	58	55	69	65	59	54	42	41	53	46	54	61	65	71	76	72	77	77	69	53	49	51	68	67	64	77	....	61.0
	Minimum	32	24	26	30	36	38	43	38	25	27	33	29	26	35	16	19	24	30	37	33	36	59	53	36	25	26	33	47	51	52	....	34.0
Ryan	Maximum	50	50	70	75	70	50	75	55	50	55	40	32	48	44	45	55	65	70	72	75	80	75	67	37	45	55	70	65	65	80	....	59.5
	Minimum	35	17	21	51	26	33	33	28	20	25	21	19	21	23	10	12	16	23	25	25	35	61	37	28	17	17	33	35	43	43	....	28.1
Spencer *	Maximum	51	51	70	60	68	52	65	65	65	53	41	38	50	40	50	59	65	72	74	73	75	74	65	54	46	50	61	67	65	74	....	59.8
	Minimum	41	23	30	43	33	39	40	40	26	29	33	27	30	34	16	19	24	29	48	34	42	60	54	36	22	23	40	44	51	49	....	35.3
Sutton	Maximum	66	52	68	68	65	66	65	65	61	54	53	38	52	52	50	59	66	69	74	74	73	73	72	50	46	50	66	66	69	78	....	62.0
	Minimum	42	23	24	46	34	42	35	41	25	29	30	29	27	31	15	18	21	27	32	30	32	48	47	36	23	20	41	38	53	47	....	32.9
Union	Maximum	48	49	54	..	64	64	61	64	66	59	..	45	48	51	48	57	62	..	67	66	64	66	66	55	..	49	50	58	61	69	....	58.1
	Minimum	42	22	29	..	31	39	34	31	25	28	..	25	23	29	17	19	19	..	24	33	46	59	52	33	..	18	39	47	52	55	....	33.5
White Sulphur Spgs.	Maximum	61	64	68	71	70	60	67	68	61	57	50	45	60	48	65	60	67	63	66	66	70	71	68	54	52	51	60	62	65	68	....	61.9
	Minimum	30	34	34	47	44	43	37	27	29	34	40	38	40	30	19	24	24	24	24	40	52	53	34	22	23	36	43	49	50	48	....	35.7
Williamson*	Maximum	54	57	68	64	65	55	68	66	58	54	43	39	55	41	50	58	62	62	63	68	70	73	70	55	48	50	66	65	68	69	....	59.5
	Minimum	37	30	31	40	42	43	38	37	32	32	36	33	27	34	24	25	25	26	31	38	39	59	53	37	28	30	40	45	48	50	....	36.3

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1-4-35—900)

1.63
NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

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R. P. POWELL

Vol. XLII Parkersburg, W. Va., December, 1934 No. 12

GENERAL SUMMARY

The month was colder and drier than usual, with about the normal amount of sunshine. This was the driest December since 1927, and the seventh driest of State record. Although the precipitation averaged considerably below the normal, there were a few small areas in the extreme eastern division with plus departures. Comparatively cold weather for the season prevailed almost continuously during the first half of the month, the temperature readings on the morning of the 11th, were near or somewhat below zero. The highest temperatures occurred generally on the 1st, 25th, and 28th. The snowfall was much lighter than normal, and fell mostly during the second decade, the amounts were heavy in scattered localities of the mountain districts. Moderately high winds prevailed in sections of the State on the 26th, with practically no damage. Owing to freezing and thawing, without much snow-cover, the conditions were unfavorable for winter grains. The weather was mostly favorable for out-door work.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 33.5°, or 1.2° below the normal. The temperatures were above the normal from the 1st to the 4th, 16th, 19th, 20th to the 25th, and 28th and 29th, with the highest temperatures on the 1st and 28th. Moderately cold weather prevailed on the 5th to the 15th, 26th, 27th, 30th, and 31st, the lowest temperatures being noted on the 11th and 12th. The highest monthly mean was 37.8° at Williamson, and the lowest, 28.6° at Bayard and Pickens. The highest temperature was 78° at Sutton on the 1st, and the lowest, 8° below zero at Bayard and Parsons on the 11th, making the monthly range for the State 86°. The greatest daily range was 45° at Fairmont on the 28th.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 2.20 inches, which was 1.14 inches less than the normal. The precipitation was greatest over the eastern and mountain districts, and least over the Ohio River counties. Most of the precipitation was received on the 1st, 4th, 10th, 11th, 16th, 19th, 20th, 22d, 26th, and 29th, the greatest amounts being measured on the 1st and 26th. Most of the snow fell on the 10th, 11th, and 20th. The greatest monthly precipitation was 5.06 inches at Pickens, and the least, 0.82 inch at Dam 26, Ohio River. The greatest amount in any 24 consecutive hours was 3.10 inches at Martinsburg on the 1st. The greatest monthly snowfall was 24.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA

Fogs, dense: Creston, 22d; Hinton, 15th, 22d, and 24th; Huntington, 3d and 27th; Martinsburg, 5th; New Cumberland, 18th.

Halos, lunar: Huntington, 18th; Parkersburg, 20th, 21st, and 24th.

MISCELLANEOUS PHENOMENA (Continued)

Sleet: Cairo and Parkersburg, 3d; Alpena and Stony River Dam, 17th; Stony River Dam, 18th; Bayard, Brandywine, Richwood, Romney, and Upper Tract, 19th; Martinsburg, 22d; Alpena, Beckley, Marlinton, and Richwood, 31st.

Thunderstorms: Bens Run and Martinsburg, 1st; Buckhannon, Crawford, Fairmont, and Mannington, 19th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio .	30.16	30.58	26	29.33	19	8.7	27	sw.	19	83	69	76	34
Columbus, Ohio . .	30.14	30.56	27	29.26	19	12.0	38	w.	26	83	72	76	28
Elkins	30.18	30.60	11	29.30	19	7.3	30	w.	26	81	66	73	31
Parkersburg	30.18	30.61	27	29.29	19	6.9	30	w.	26	85	65	72	31
Pittsburgh, Pa . . .	30.13	30.57	27	29.20	19	11.2	36	nw.	26	76	66	66	20
Wytheville, Va . . .	30.16	30.49	27	29.45	19	7.8	34	w.	19	76	62	68	44

COMPARATIVE DATA FOR DECEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	40.9	+ 6.2	75	6	3.27	−0.07	. . . . .	. . . . .	. . . . .	. . . .	. . . .	. . . .	. . . .
1892	34.1	− 0.6	72	−10	2.91	−0.43	. . . . .	. . . . .	. . . . .	8	. . . .	. . . .	. . . .
1893	37.1	+ 2.4	76	7	2.05	−1.29	3.73	0.56	. . . . .	9	10	8	13
1894	36.3	+ 1.6	80	−29	4.04	+0.70	6.56	1.71	. . . . .	9	11	7	13
1895	36.9	+ 2.2	72	− 6	2.87	−0.47	4.14	1.85	7.1	9	8	9	14
1896	35.3	+ 0.6	67	2	1.68	− 1.66	2.88	0.57	. . . . .	6	12	9	10
1897	37.3	+ 2.6	72	− 4	4.00	+0.66	6.79	2.05	. . . . .	13	6	9	16
1898	33.4	− 1.3	69	−12	2.66	−0.68	4.23	0.71	7.0	10	12	8	11
1899	33.3	− 1.4	77	−17	2.81	−0.53	4.46	1.22	3.9	10	11	8	12
1900	34.6	− 0.1	66	3	2.26	−1.08	3.45	1.32	1.0	7	11	7	13
1901	32.3	− 2.4	75	− 9	**5.84**	+2.50	8.97	3.57	3.8	11	7	8	16
1902	33.9	− 0.8	70	− 2	5.33	+1.99	9.95	2.01	9.4	14	5	7	19
1903	26.5	− 8.2	59	−11	2.00	−1.34	4.43	**0.30**	7.8	8	12	8	11
1904	32.8	− 1.9	71	−20	3.12	−0.22	5.91	1.63	9.8	10	8	7	16
1905	35.6	+ 0.9	70	3	3.11	−0.23	5.24	1.30	3.4	9	11	6	14
1906	35.9	+ 1.2	70	− 1	4.73	+1.39	**11.15**	1.83	6.2	14	5	6	20
1907	35.5	+ 0.8	70	− 2	3.36	+0.02	9.31	0.70	5.2	12	9	8	14
1908	36.4	+ 1.7	73	5	3.03	−0.31	7.36	1.06	6.0	10	9	8	14
1909	28.8	− 5.9	78	−10	2.55	−0.79	6.00	1.16	10.9	10	9	8	14
1910	28.4	− 6.3	72	− 8	2.72	−0.62	6.90	1.00	14.6	12	7	7	17
1911	39.3	+ 4.6	74	4	3.27	−0.07	5.58	1.25	1.6	12	9	5	17
1912	35.8	+ 1.1	76	− 6	2.88	−0.46	5.55	1.45	7.1	10	12	7	12
1913	36.4	+ 1.7	68	3	2.82	−0.52	3.81	1.10	2.9	8	9	8	14
1914	30.3	− 4.4	70	−20	5.46	+2.12	8.04	2.58	12.5	16	7	4	20
1915	32.8	− 1.9	68	0	4.35	+1.01	7.19	1.35	7.6	11	5	7	19
1916	32.8	− 1.9	77	−18	3.33	−0.01	6.38	0.85	10.6	10	13	7	11
1917	**24.3**	−10.4	67	**−37**	1.51	−1.83	3.32	0.47	11.8	8	11	6	14
1918	41.0	+ 6.3	74	0	4.41	+1.07	8.14	2.70	3.2	12	8	6	17
1919	30.4	− 4.3	72	−15	4.07	+0.73	7.35	1.17	7.8	9	10	6	15
1920	35.6	+ 0.9	70	0	2.55	−0.79	5.13	1.32	3.7	10	6	7	18
1921	37.0	+ 2.3	79	0	4.25	+0.91	7.51	1.11	7.5	11	7	7	17
1922	36.6	+ 1.9	75	2	4.71	+1.37	7.27	1.03	3.6	11	10	5	16
1923	**43.1**	+ 8.4	78	0	5.82	+2.48	10.96	1.00	2.4	14	11	5	15
1924	33.1	− 1.6	**83**	− 8	2.58	−0.76	5.69	0.58	1.7	10	10	6	15
1925	32.5	− 2.2	75	− 8	**1.20**	−2.14	3.42	0.38	2.7	7	10	6	15
1926	33.9	− 0.8	72	−14	5.10	+1.76	10.57	1.65	2.5	15	6	4	21
1927	34.4	− 0.3	78	− 6	3.72	+0.38	6.78	0.42	3.8	12	9	5	17
1928	35.4	+ 0.7	70	1	2.08	−1.26	5.50	0.50	0.9	7	13	5	13
1929	36.6	+ 1.9	73	−13	2.51	−0.83	5.59	0.59	12.2	12	9	5	17
1930	30.9	− 3.8	66	−14	2.81	−0.53	6.59	0.76	8.6	12	7	5	19
1931	42.0	+ 7.3	75	8	3.91	+0.57	6.10	1.35	0.3	13	8	4	19
1932	36.0	+ 1.3	82	−12	2.83	−0.51	4.30	1.09	6.9	12	9	6	16
1933	38.7	+ 4.0	78	− 5	4.10	+0.76	6.15	0.87	5.3	12	9	7	15
1934	33.5	− 1.2	78	− 8	2.20	−1.14	5.06	0.82	4.9	10	9	6	16
Period	34.7	. . . . . .	83	−37	3.34	. . . .	11.15	0.30	6.0	10	9	7	15

Climatological Data for December, 1934

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	28.6	+0.5	60	1	−8	11	40	2.54	−1.59	0.82	5.0	10	5	7	19	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	18	33.2	−1.0	60	1	−1	11	38	1.75	−0.01	0.70	4.0	6	15	2	14	n.	Elmer Keister
Circleville	Pendleton		2								2.60		0.97	1.3	11					Moses R. Bennett
Harpers Ferry	Jefferson	244	45																	Sherman Harrison
Kearneysville	Jefferson	548	4	35.3		66	1	14	11	29	3.24		2.20	2.5	8	15	5	11	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	42	[a]34.6	+0.6	57[a]	1	16	12	30	4.96	+2.29	3.10	2.7	10	20	8	3	w.	Dr. H. S. Gardner
McNeill	Hardy	900	38	33.6	−1.0	59	1	3	11	39	1.42	−0.66	0.48	2.5	5	5	6	20	w.	John W. McNeill
Piedmont	Mineral	1,053	21	31.6	−1.4	53	28	6	11	31	1.77	−0.50	0.68	4.0	8	11	8	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	36	[a]33.2	−1.3	63[a]	1	6[a]	12	33[a]	1.57	−0.71	0.58	2.0	7	7	6	18		Miss Betty B. Harminson
Stony River Dam	Grant	3,300	14								2.23	−1.01	0.82	11.0	9	2	5	24	w.	A. C. Becker
Upper Tract [c]	Pendleton	1,230	35	34.5	+0.9	65	1	−3	11	35	1.62	−0.16	0.56	2.5	5					Mrs. J. M. Mallow
Wardensville [e]	Hardy	1,200	13	33.0	−0.7	65	1	4	10	43	2.55	+0.81	1.55	6.5	9	13	6	7		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	10								2.10	−0.90	0.97	3.4	10	4	11	16	w.	L. Else Bond
Alma (near)	Tyler	800	7								1.48		0.50	1.0	13	6	4	21		D. N. Furbee
Alpena	Randolph	2,571	4	28.8		61	1	−4	11	38	2.75		0.81	14.0	11	8	7	16		Christian Hertig
Benson	Harrison	1,080	10	32.9	−3.3	71	1	−1	11	35	1.82	−1.67	0.75	4.0	11	9	9	13		R. D. Marts
Bens Run	Pleasants	652	32	33.5	−1.3	65	1	10	11	28	2.41	−1.19	0.81	T.	10	11	10	10		Mrs. C. W. Rea
Brownsville	Lewis	1,032	11	34.0	−2.6	73	1	4	11	33	1.60	−1.72	0.62	2.0	10	7	11	13		W. B. Worley
Buckhannon	Upshur	1,411	37	34.6	+0.4	68	1	4	11	32	1.75	−2.33	0.42	5.5	9	12	3	16		H. A. Darnall
Cairo	Ritchie	680	33	33.8	−0.9	58	1†	1	11	36	1.46	−2.26	0.58	0.5	4	11	2	18		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	12	31.8	−3.4	56	28	3	11	43	1.68	−1.40	0.66	2.2	11	9	4	18	w.	Clarksburg Water Board
Crawford	Lewis	1,107	11								1.03	−1.96	0.53	3.4	11	8	6	17	nw.	George W Blair
Creston	Wirt	640	32	33.5	−1.8	55	23†	1	11	32	2.04	−1.40	0.70	1.0	11	6	5	20		P. M. Basnett
Dam 10 Mon. R.	Marion	826	13								1.91	−1.51	0.71	3.0	12					Lockmaster
Dam 13 O. R.	Ohio	655	18								2.34	−0.52	0.96	0.5	12					Lockmaster
Dam 15 Mon. R.	Monongalia	882	13								1.93	−1.20	0.62	1.5	12					Lockmaster
Davis	Tucker	3,093	25								3.40	−1.49	0.82	14.0						Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	22								2.84	−0.47	0.88	0.7	9					Lockmaster
Elkins	Randolph	1,947	33	30.9	−1.8	65	1	−5	11	41	2.11	−1.35	0.59	8.3	14	4	7	20	w.	U. S. Weather Bureau
Fairmont	Marion	883	28	34.0	0.0	60	28	6	11	45	1.93	−1.49	0.78	2.2	11	7	4	20	w.	J. C. Robinson
Glenville	Gilmer	738	40	36.0	+0.1	74	1	5	11	34	2.62	−1.13	0.63	1.0	15	7	3	21	w.	Howard R. Brannon
Grafton	Taylor	1,000	41	35.0	+0.8	72	1	5	11	36	3.12	−0.39	0.85	3.0	13	7	2	22		W. E. Clayton
Horner	Lewis	1,044	11								2.60	−0.93	0.75		11					Foster R. Hardman
Horton	Randolph	2,840	9								2.32	−1.27	0.68	13.0	9	10	5	16	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	11	34.6	−2.5	75	1	5	11	35	2.40	−0.68	1.00	2.1	7	12	4	15	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	36	33.4	−1.0	75	1	5	11	38	1.54	−1.98	0.78	2.5	10	8	6	17	w.	Allen Smith
Mannington	Marion	985	31	32.7	−0.9	67	1	0	11	34	2.11	−1.34	0.64	2.1	15	5	6	20	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	41																	Bruce Davis
New Cumberland	Hancock	671	36	[a]31.5	−0.2	52[a]	28	7	11	39[a]	1.72	−1.04	0.62	4.4	13	5	6	20	s.	C. H. Hesse
New Martinsville	Wetzel	634	40	35.2	−0.1	69	1	11	11	31	2.09	−1.43	0.82	T.	6	8	4	19	n.	Wm. Ankrom
Parkersburg	Wood	638	47	34.2	−1.0	56	1	12	12	38	1.72	−1.31	0.62	0.5	10	5	4	22	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	34	33.2	+0.9	67	1	−8	11	41	2.94	−1.11	1.00	3.0	6	8	5	18		J. W. Swisher
Parsons No. 2	Tucker	1,649	8								2.32	−1.73	1.00	6.1	12	8	9	14		Robert T. Deem
Philippi	Barbour	1,550	37								2.25	−1.56	0.90	3.9	12					H. F. Brittinham
Pickens	Randolph	2,697	31	28.6	−3.6	63	1	−1	10†	43	5.06	−0.40	1.30	24.0	15	12	1	18	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11								1.89	−1.48	0.65	1.3	12	7	0	24		Miss Mary A. Conrad
Saint Marys	Pleasants	577	25								2.33	−1.19	0.95	T.	9					Wm. Hughes
Terra Alta	Preston	2,559	33																	Hopemont Sanitarium
Thomas	Tucker	2,950	5								2.51		0.85	7.0	13					H. L. Stiles
Valley Chapel	Lewis	1,011	11	35.1	−2.4	70	1	11	11	37	2.47	−0.75	1.00	2.5	11	7	13	11	w.	J. C. Campbell
Vandalia	Lewis	1,120	11								2.27	−0.13	0.73	7.0	8					James B. Kelley
Wellsburg	Brooke	668	27	32.5	+0.1	64	1	2	11	36	1.96	−1.08	0.67	T.	8	7	6	18	w.	George P. Pfister
West Milford	Harrison	979	9								2.61	−0.47	0.80	3.0	9					Miss Dicie E. Wagner
Weston	Lewis	1,026	39	34.6	−1.2	60	28	8	11	36	2.61	−1.13	0.84	2.3	17	12	15	4		A. Henry
Wheeling (Dam 12)	Ohio	659	47	31.2	−0.4	52	1	9	11	37	1.87	−1.07	0.80	2.0	9	6	4	21	sw.	Lockmaster
Woodlands	Marshall	637	7								1.75		0.70	T.	8	6	4	21		R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	8								2.68		0.87	8.5	9	10	3	18	w.	H. S. Sutton
Bancroft	Putnam	574	30	36.8	+1.4	60	1†	5	12	35	1.17	−2.31	0.65	2.5	4	8	1	22	w.	Charles N. Long
Beckley	Raleigh	2,440	31	32.4	−1.9	64	1	4	12	44	2.64	−0.65	0.54	3.2	17	10	4	17		L. A. Mauck
Bluefield [f]	Mercer	2,558	39	35.0	−1.9	65	1	7	12	39	2.13	−0.90	0.39	10.4	15	8[e]	5[e]	13[e]		Norfolk & Western Ry.
Charleston	Kanawha	600	31																	S. E. Damron
Clay	Clay	706	18								2.49	−0.86	0.50	3.1	14					Chilton Wilson
Dam 6 G. K.	Kanawha	598	7								1.91	−0.52	0.47	4.0	9					Lockmaster
Dam 19 O. R.	Wood	600	18								1.80	−1.59	0.66		10					Lockmaster
Dam 20 O. R.	Wood	600	18								1.70	−1.51	0.80		8					Lockmaster
Dam 25 O. R.	Mason	565	7								1.72		0.72		8					Lockmaster
Dam 26 O. R.	Mason	564	18								0.82	−2.23	0.37		8					U. S. Engineers Office
Gary	McDowell	1,426	18	35.4	−2.4	58	25†	12	12	43	2.49	−1.04	0.75	4.5	13					U. S. Coal & Coke Co.
Hinton	Summers	1,431	37	35.0	−0.8	63	25	12	12	35	2.48	−0.48	0.86	5.2	12	12	3	16		Mrs. M. L. McClung
Huntington	Cabell	538	37	37.6	−2.0	72	1	14	12	33	1.67	−1.83	0.55	6.0	10	6	9	16	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	15								2.20	−1.16	0.62	3.5	15					J. O. Brown
Kayford	Kanawha	1,335	18								2.59	−1.30	0.64	12.0	14					Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	4								2.78		0.90	6.0	7					Claud J Wriston
Lewisburg	Greenbrier	2,250	34																	Rose Argabrite
Logan	Logan	700	31								1.76	−2.35	0.45		11					J. R. Wampler
Madison	Boone	675	13	34.0	−1.0	58	28	4	11	41	1.19	−1.71	0.39	3.6	8	22	1	8		W. E. Holy
Marlinton	Pocahontas	2,131	35	29.2	−0.2	56	1	14	10†	26	1.84	−1.93	1.02	8.0	4	6	19	6	nw.	Miss Virginia Crocket
Point Pleasant	Mason	595	41	34.7	−1.1	55	23	9	12	35	1.56	−1.76	0.64	2.5	13	8	3	20	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	4	31.4		71	1	5	15	39	3.10		0.65	12.2	16	11	4	16		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	11	37.2	−0.7	75	1	7	11	36	1.42	−1.89	0.60	T.	8	9	1	21	ne.	Lockmaster
Richwood	Nicholas	2,193	4	34.2		70	1	8	12	44	2.86		0.42	23.0	17	6	7	18	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	34	34.2	−0.5	58	25	5	12	38	1.73	−1.65	0.65	3.0	10	8	0	23		M. Frazier
Ryan	Roane	700	31	30.0	−4.5	62	1	−5	11	38	2.34	−1.12	0.63	3.9	14	8	6	17		Wm E. Ryan
Sharples	Logan	889	14																	R. W. Howard
Spencer	Roane	789	30	34.4	−2.1	56	25	1	11	42	2.51	−0.84	0.65	4.0	9	6	5	20		A. M. McKown
Summersville	Nicholas	1,894	1								2.08		0.48	7.7	11					Carl Perry
Sutton	Braxton	850	28	35.3	+0.1	78	1	10	11†	38	2.36	−1.66	0.40	7.0	11	20	0	11		C. B. Eakle
Thornwood	Pocahontas	2,723	0								2.70		0.90	11.0	7					Eva R. Smith
Union [e]	Monroe	2,250	30	32.3	−1.7	51	25†	6	12	29	1.97	−0.87	0.65	8.0	4	8	13	5		C. B. King
Wayne	Wayne	598	7								1.65		0.76	5.0	11					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	24	31.6	−1.5	59	25	7	11	36	2.87	−0.28	0.60	7.0	9	16	2	13		White Sulphur Spgs. inc.
Williamson	Mingo	673	34	37.8	+0.2	67	16	16	12	43	1.53	−2.30	0.36	11.7	12	10	5	16	ne.	J. E. Dotson
State averages and	extremes			33.5	−1.2	78	1	−8	11	45	2.20	−1.14	3.10	4.9	10	9	6	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for December, 1934

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	.24	T	.06							.20	.30	.18				.08						.56		.02	.82			.08				2.54
Brandywine	do	.70		.10				T.	T.		.30									.35	.05					.25							1.75
Circleville	do	.97	.12		.20				.03	.05	.04	.06	T.							.03	.41		.02	T.		T.	.67			T.			2.60
Harpers Ferry ‖‖	do																																....
Kearneysville	do	2.20		.07	.04					.02	.08	.03								.50							.30						3.24
Martinsburg ‖‖	do	3.10	.20		.15					.10		.15								.25	.43		.05			.38				.15			4.96
McNeill	do	.48		.11				T.	T.	T.	.15	T.	T.	T.				T.		.28	T.		T.				.40		T	T.		T.	1.42
Piedmont	do	.20		.07	.02						.12									.36			.02			T.	.68			.30			1.77
Romney‖‖	do	.40		.01							.15	.05								.31							.58			.07			1.57
Stony River Dam	do	.82								.16	.08	.24							T.	.08	.16		.16				.44			.09			2.23
Upper Tract	do	.55		.06						.20										.56							.25						1.62
Wardensville ‖‖	do	1.55	.05		.04				T.	.02	.15	.14	T.	T.	T.			.15	.35						T.		.10			T.			2.55
Northern Division																																	
Aberdeen	Monongahela	.19		.01				T.		.05	.10	.04	T.				T.	T.		.27	.24		.21	T.			.97			.02		T.	2.10
Alma (near)	Ohio	.49		.01				.01		.01	.01	.01					.05			.26	.02					.01	.50			.05		.05	1.48
Alpena	Monongahela	.31		.26				T.	T.	.16	.24	.16	.08				T.	T.		.14	.16		.32				.81		T.	.11		T.	2.75
Benson	do	.32		.05				.02	.02	.04	.12	.05								.27	.11						.75			.07			1.82
Bens Run	Ohio	.81		.06					T.	T.	T.	T.					.12			.20	.24					.14	.57		.06	.12		.09	2.41
Brownsville	Monongahela	.23		.03						.03	.08	.04						.02		.30	.12		.13				.62						1.60
Buckhannon	do	.20		.05				T.	T.	T.	.20	.15					T.	T.		.28	.12					.20	.42		T.	.10		T.	1.75
Cairo	Little Kanawha			.58					T.		.08									.25							.55						1.46
Clarksburg‖‖	Monongahela	.31								.02	.05	.03					.04			.16	.22		.10			.02	.66			.07			1.68
Crawford‖‖	do	.22		.02				T.	T.	T.	.09	.07					T.		.02	.39	.05		.14				.53			.06		.04	1.63
Creston‖‖	Little Kanawha	.56			.06				.04	.02	.08		.03	T.						.19	.20		.06				.70			.10			2.04
Dam 10, Mon. R.‖‖	Monongahela	.33			.04					.03		.04	.07				.11		.03	.13	.32	T.		.02			.71			.08			1.91
Dam 13, O. R.‖‖	Ohio	.96						T.	.02	.01			T.				.02	.03	.02	.07	.58	T.		.02		.05	.49			.07			2.34
Dam 15, Mon. R.‖‖	Monongahela	.43	.01		.05					.04	T.	.05					.09	T.		.15	.31		.05			.03	.62			.10			1.93
Davis ‖‖	do	.82	.20		.29			T.	T.	.08	.15	.09	.07				T.	T.	.06	.35	.24	.09	.11	.05			.60	.10	.10				3.40
Elizabeth (D'm 3 LK)	Little Kanawha	.88							T.	.02	.03	T.								.05	.37					.07	.70			.09		.63	2.84
Elkins***	Monongahela	.21		.10				.02	T.	.09	.20	.05	T.	T.			T.	.02		.35	.05		.20		T.	T.	.59		.04	.04		.15	2.11
Fairmont‖‖	do			.08				T.	.04	.04	.06	T				.15		T.	.18	.29	T.	.12			.04				.15			.78	1.93
Glenville ‖‖	Little Kanawha	.54			.05			T.	.12	.09	.05	.06	T.				.08		.04	.15	.26	T.	.38	.04		T.	.63	.05		.08			2.62
Grafton ‖‖	Monongahela	.30		.05							.07	.25								.75	.10	.10		.10		.10			.10	.35		.85	3.12
Horner	do			.08					.12	.05	.15				.05					.75	.10		.25				.55			.35		.15	2.60
Horton	do	.45		T.						.06	.04	.10	.04							.64	.10		.12				.68			T.			2.32
Janelew (near)	do	.15								.08	.10	.10								.47	.50						1.00						2.40
Lost Creek	do	.21		T.					T.	.05	.07	.03	T.				.02	T		.15	.14		.04				.78		T.	.05		T.	1.54
Mannington	do	.33		.04	.02			T.	T.	.04	.08	.01	T.				.10	.01		.54	.10		.03			.05	.64			.11		.01	2.11
Morgantown	do																																....
New Cumberland‖‖	Ohio	.62			T.			.01	.01	.05	T.		T.		T.		T.	.03		.14	.40	.02	.03			.06	.32	.01		.02			1.72
New Martinsville	do	.62		T.				T.	T.		T.	T.					.10			.42		.05					.82					.08	2.09
Parkersburg* **	do	.44		.03			T.	T.	T.	T.	.03	T.				T.	T.	T.		.27	.01		T.		.02		.56		.04	.04		.28	1.72
Parsons	Monongahela			.40													1.00				.20		.24						.80			.30	2.94
Parsons No. 2	do	.14		.03	T.				T.	.07	.14	.02	T.				.05			.33	.24		.21			T.	1.00		T.	.06		.03	2.32
Philippi	do	.31							.07	.08	.06	.05	T				.06			.12	.35	T.	.15	T.		.05	.90			.05			2.25
Pickens	do	.38		.20			.08	.08	.08	.24	.32	.30	.06							.83	.24		.48				1.30			.27		.20	5.06
Roanoke	do	.30		.04					T.	.02	.07	.03	.01				T.	T.		.15	.34		.15				.65			.07		.06	1.89
Saint Marys‖‖	Ohio	.95			.03					T.	.03	T.	T.				.12			.22	.26					.04	.62			.06			2.33
Terra Alta	Monongahela																																....
Thomas ‖‖	do	.62	.07		.12					.08		.04							.03	.08	.18	T.	.15	T.		.06	.85	.11		.12			2.51
Valley Chapel	do	.27		.10				T.			.12	.04		.04			.05			.28	T.		.35				1.00			.05		.17	2.47
Vandalia	do	.22		.11						.08	.34	.16								.51	T.					T.	.73					.12	2.27
Wellsburg	Ohio	.67		.07			T.	T.	T.		T.		T.				.06	T.		.47	T.	T.	.08			.12	.43			.06			1.96
West Milford	Monongahela			.80						.08	.12	.04					.20				.41			.11			.75			.10			2.61
Weston	do	.44	.05		.08				.02	.01	.05	.11	.02				.03		.01	.22	.28	.18	.16			.02	.84			.09			2.61
Wheeling (Dam 12)‖‖	Ohio	.80			T.			T.	T.	.02	.01						.03	T.		.08	.38	T.	T.			.06	.47	T.		.02			1.87
Woodlands‖‖	do	.70			.04			T.		T								.01	.01	.05	.40		T.				.48			.05			1.75
Southern Division																																	
Arbovale	Great Kanawha	.50		.25				.04		T.	.40	T.	T.					T.		.35	.08		.08				.87		T.	.11		T.	2.68
Bancroft ‖‖	do							T.			.22									.09	.21						.65						1.17
Beckley	do	.35		.34	.08			.04		.05	.06	.09					.13	.04		.54	.04		.12			.09	.44		.11	.06		.06	2.64
Bluefield	do	.23		.01					.02		.35	.32	.16	.08	.02					.39	.04		.16				.18	.05		.01		.11	2.13
Charleston	do																																....
Clay‖‖	do	.05	.50		.30					T	.11	.13	.03				.02		T.	.04	.52	T.	.24	T.		.02	.49	.03		.01	T.		2.49
Dam 6 G. K. ‖‖	do	.47			.12					T.	.20	.20								.12	.20		.20				.30			.10			1.91
Dam 19 O. R. ‖‖	Ohio	.66			.05			T.	T.	T.	.03		T.				.01	T.		.08	.17		.01			.04	.66			.09			1.80
Dam 20 O. R. ‖‖	do	.80			.04			T.	.01	T.	.02										.23		T.			.02	.50			.08			1.70
Dam 25 O. R. ‖‖	do	.62			.05					T.	.06									.07	.15		T.			.02	.72			.03			1.72
Dam 26 O. R. ‖‖	do	.37			.08				T.		.10	.05								.05	.12		.03							.02			0.82
Gary ‖‖	Big Sandy	.75		.18	.14				T.	T.	.14	.24	T.	.07						.27	T.		.24			.04	.31		.01	.09	.01		2.49
Hinton‖‖	do	.86	.08		.22				.01	T.	.11	.10	T.				T.		T.	.30	.35		.03			.02	.35	T.		.05			2.48
Huntington	Ohio	.42		.09				T.	T.	T.	.19	.07								.28	.02		.01			T.	.55		T.	.01		.03	1.67
Kanawha Falls‖‖	Great Kanawha	.62	.08		.18			.10		T.	.20	.10							.06	.07	.34		.14	.02		.02	.22	.03		.02			2.20
Kayford‖‖	do	.64			.09				.17	.02	.25	.50	.05						.01	.03	.30		.20				.26			.06	.01	T.	2.59
Kingston	do	.10		.90					.08		.16	.24								.80												.50	2.78
Lewisburg	do																																....
Logan‖‖	Guyandotte	.43			.07				.02	.04	.06	.16	T.							.20	.18		.10				.45			.05	T.		1.76
Madison	Great Kanawha			.10				.06		.16	.14	T.								.11		.20			T.	.39			.03				1.19
Marlinton	do										.50				.10					.22								1.02				T.	1.84
Point Pleasant‖‖	Ohio	.32			.08	.04			.04	.02	.10	.04	.02							.14	.06		T.			.02	.64			.04			1.56
Rainelle	Meadow Creek	.38		.28	.07			.03	.03	.13	.38	.25	T.					T.		.65	.09		.07		.04		.51		.01	.08		.10	3.10
Ravenswood (Dam 22	Ohio‖‖	.46			.03			T.	T	T.										.04	.18		.04			.02	.60			.05			1.42
Richwood	Great Kanawha	.35		.15				.03	.26	.23	.41	.05	.02					.01		.31	.26		.19			.03	.42			.05	.01	.08	2.86
Robertsburg‖‖	do	.54			.05					T.	.08	.04					T.		T.	.10	.16	T.	.07			.02	.65			.02			1.73
Ryan	do	.63		.06				.01			.10	.20		.01			.08	.01		.35	.08		.10				.60			.03		.08	2.34
Sharples‖‖	Coal River																																....
Spencer ‖‖	Great Kanawha	.65			T.				T.	T.	.08	.16								.12	.22		.09			T.	.62			.07		.50	2.51
Summersville	do	.43			.16				.06	.02	.10	.05	.01								.48		.25				.46			.06			2.08
Sutton	Gauley	.40		.10						.08	.32						.15			.30	.16		.30			.10	.35			.10			2.36
Thornwood	Great Kanawha			.40				T.	T.	.10	.20	.40	T.						.20							.90			T.			.50	2.70
Union	Gauley	.38		T.								.65								.50			T.				.44			T.		T.	1.97
Wayne ‖‖	Big Sandy	.23			.14				.01	.01	.07	.16								.05	.15		.05			.02	.76						1.65
White Sulpr. Spgs.‖‖	Great Kanawha	.25		.01						.24	.32								.30	.55						.60			.15			.45	2.87
Williamson‖‖	Big Sandy	.36			.09				.02	T.	.07	.08	.03							.16	.18		.13			.01	.30			.10	T.		1.53

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1934

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	60	41	42	40	35	43	38	25	20	18	11	22	32	29	45	43	43	41	50	41	41	36	47	47	50	48	53	48	38	37	38	38.8
	Minimum	33	27	18	28	22	15	20	10	14	10	-8	8	22	17	12	20	37	15	28	22	6	25	10	28	25	8	21	36	20	9	11	18.4
Brandywine	Maximum	60	50	42	45	48	50	46	30	25	22	20	30	32	42	48	57	50	40	45	42	45	44	45	51	57	47	48	56	52	54	32	43.7
	Minimum	50	25	20	30	22	20	26	15	17	15	-1	15	15	11	10	29	36	21	25	30	14	20	18	27	40	14	25	36	36	29	12	22.6
Kearneysville	Maximum	66	51	51	49	45	50	42	46	35	27	25	32	42	39	44	51	49	42	34	40	40	45	45	46	44	51	41	50	55	43	32	43.6
	Minimum	45	30	39	32	31	26	28	21	20	18	14	15	26	27	21	35	34	22	28	32	22	28	26	35	32	32	17	21	33	31	16	27.0
Martinsburg*	Maximum	57	55	45	47	45	49	41	32	35	35	24	35	42	40	43	53	42	41	42	38	40	47	47	45	52	42	42	48	55	46	..	43.5
	Minimum	54	36	29	30	33	27	27	21	22	19	17	16	20	20	24	25	40	25	23	30	23	24	27	27	29	17	18	18	29	30	17	25.7
McNeill	Maximum	59	52	49	48	45	55	47	30	30	26	21	32	37	43	47	55	53	46	38	43	42	43	52	48	58	51	43	51	56	47	44	44.9
	Minimum	42	33	20	29	29	16	16	15	20	18	3	18	25	14	11	20	35	16	24	32	15	23	19	31	30	27	15	18	39	28	11	22.3
Piedmont	Maximum	46	45	40	42	39	47	32	26	27	23	18	27	35	33	41	48	37	38	32	34	36	39	46	42	49	46	32	53	51	39	29	37.8
	Minimum	42	35	26	35	29	20	26	19	22	18	6	15	28	25	22	37	26	21	24	32	19	29	25	32	30	30	14	22	39	24	16	25.4
Romney	Maximum	63	49	47	43	43	53	47	31	27	27	19	30	37	37	40	52	51	41	41	35	35	40	44	44	49	49	43	43	47	..	47	41.8
	Minimum	43	37	24	30	31	20	27	19	19	17	7	6	26	23	19	22	35	18	23	32	19	25	23	39	23	29	15	34	35	..	15	24.5
Upper Tract	Maximum	65	48	46	46	43	51	38	..	31	24	19	35	34	40	48	54	50	48	46	41	..	47	49	50	58	..	55	45	52	44	35	44.4
	Minimum	41	32	24	37	27	28	22	..	18	17	-3	0	27	24	14	34	35	26	23	31	..	20	23	36	29	..	30	16	32	29	16	24.6
Wardensville	Maximum	65	54	47	50	45	43	49	42	29	19	21	39	39	44	55	38	41	45	35	..	..	..	..	43	49	58	48	42	56	..	55	44.3
	Minimum	49	31	23	27	28	21	18	20	12	4	11	18	14	23	29	17	19	33	18	..	..	..	..	22	25	31	13	19	26	..	12	21.7
Northern Division																																	
Alpena	Maximum	61	39	49	36	30	41	37	22	18	16	19	24	26	27	39	44	42	40	44	39	39	30	44	43	46	50	47	48	49	37	35	37.5
	Minimum	31	26	19	29	21	17	20	7	13	7	-4	5	22	18	8	25	26	27	25	22	13	28	17	34	35	28	9	24	35	23	13	20.1
Bens Run	Maximum	65	50	46	49	42	44	37	30	30	27	28	28	36	38	38	49	43	45	52	37	44	39	50	46	42	40	31	44	49	41	36	41.2
	Minimum	37	31	32	34	28	23	24	21	20	18	10	15	17	17	18	31	33	32	28	22	25	33	28	30	36	24	14	25	40	29	24	25.8
Buckhannon	Maximum	68	49	50	51	41	46	42	42	28	26	25	27	34	36	42	48	49	40	54	50	44	42	50	50	53	55	45	54	54	42	43	44.5
	Minimum	40	26	26	34	25	25	26	15	19	12	4	11	24	24	10	27	32	28	25	28	17	32	25	30	40	33	13	26	38	29	20	24.6
Cairo	Maximum	58	58	50	50	42	44	48	31	29	28	26	25	36	38	38	52	50	42	50	52	47	48	54	55	51	55	43	45	48	56	36	44.7
	Minimum	42	23	22	33	17	15	24	14	20	20	1	11	24	23	12	29	36	30	22	31	19	31	18	23	37	31	11	21	26	29	19	23.0
Clarksburg*	Maximum	46	47	48	42	40	47	31	29	28	24	20	32	35	35	48	50	39	45	53	45	45	38	52	50	53	53	52	56	49	49	45	42.8
	Minimum	44	27	24	31	23	16	16	10	14	14	3	13	14	25	14	14	34	30	22	31	15	16	23	23	28	30	11	13	24	28	19	20.9
Creston	Maximum	52	49	48	45	37	49	40	27	33	25	22	28	37	40	41	54	45	51	52	38	49	40	55	48	50	47	44	55	51	41	47	43.2
	Minimum	38	22	23	31	20	17	25	14	22	18	1	13	27	26	12	28	34	27	24	31	18	32	23	24	37	29	12	23	40	28	19	23.8
Elkins	Maximum	65	43	45	45	36	45	32	23	21	21	15	29	30	32	36	49	36	45	49	29	45	36	51	47	50	54	53	51	53	33	42	40.0
	Minimum	33	27	23	31	25	19	18	13	17	13	-5	10	28	22	14	26	28	26	29	20	13	32	21	35	33	18	12	24	33	20	18	21.8
Fairmont	Maximum	57	52	49	45	43	52	23	29	31	25	28	32	34	44	45	48	40	48	55	44	50	38	56	48	51	53	51	60	49	49	42	44.2
	Minimum	46	28	27	30	25	21	19	16	17	19	6	10	16	25	21	21	35	26	26	31	21	22	28	31	32	33	14	15	28	23	26	23.8
Glenville	Maximum	74	50	52	49	45	50	45	33	31	28	23	30	36	40	41	53	53	51	55	45	50	40	55	55	52	57	48	55	54	43	43	46.3
	Minimum	41	25	24	35	25	20	27	16	21	18	5	14	28	27	13	28	36	30	27	32	20	33	24	28	39	31	14	24	43	30	20	25.7
Grafton	Maximum	72	50	50	48	43	47	42	30	28	25	22	27	36	36	42	50	47	49	53	43	49	39	55	48	50	55	49	57	52	49	43	44.5
	Minimum	38	28	25	35	27	19	27	16	15	19	5	14	27	26	17	28	34	28	25	30	20	34	27	29	40	31	13	25	42	27	20	25.5
Lost Creek	Maximum	75	51	42	40	40	50	40	32	26	24	20	30	34	38	41	49	50	49	58	48	49	45	55	51	53	43	39	58	51	44	41	44.1
	Minimum	38	25	20	36	20	14	18	9	15	15	5	11	24	22	12	38	33	29	21	29	13	32	21	27	26	39	10	20	41	28	15	22.8
Mannington	Maximum	67	46	47	47	39	45	42	27	26	24	22	26	34	35	37	49	46	40	51	44	44	41	50	48	48	53	39	55	49	41	40	42.0
	Minimum	39	26	23	33	23	16	26	13	16	18	0	15	25	23	14	26	34	23	22	31	17	32	25	26	31	30	11	21	39	26	17	23.4
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
New Cumberland*	Maximum	47	50	50	38	40	40	27	30	27	24	21	34	36	34	46	45	42	38	48	36	44	38	48	42	47	42	36	52	47	42	..	39.7
	Minimum	44	31	29	33	28	22	23	18	18	12	7	8	15	22	20	22	33	20	22	31	27	28	30	28	27	34	12	13	22	27	17	23.3
New Martinsville	Maximum	69	51	48	50	41	45	44	27	28	26	25	29	37	38	38	50	47	44	50	46	45	43	61	50	48	50	42	54	52	42	40	43.9
	Minimum	41	29	27	34	28	19	25	18	20	20	11	15	27	25	16	32	34	29	24	32	22	33	30	27	34	31	13	24	39	27	31	26.4
Parkersburg	Maximum	56	51	49	49	42	46	32	28	28	25	22	31	38	37	44	52	38	44	51	35	47	40	53	41	50	52	42	55	52	34	40	42.1
	Minimum	36	32	31	33	25	22	22	21	21	17	13	12	30	27	18	38	32	28	30	29	29	33	28	30	36	14	13	28	32	26	25	26.2
Parsons	Maximum	67	53	46	46	41	48	40	25	44	23	12	29	32	33	38	47	42	46	53	40	46	52	54	48	52	53	54	52	52	55	40	44.0
	Minimum	34	30	24	33	23	18	23	15	17	12	-8	11	28	22	14	21	30	26	30	24	14	31	21	33	32	23	13	24	34	23	17	22.3
Pickens	Maximum	63	45	46	50	47	34	28	34	25	21	15	25	28	30	46	44	44	41	45	32	41	35	46	45	35	50	52	45	49	37	39	39.3
	Minimum	29	20	18	18	18	19	1	17	13	-1	-1	4	22	12	7	30	25	25	30	14	16	26	13	24	24	24	9	26	30	24	19	17.9
Terra Alta	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
Wellsburg	Maximum	64	49	48	48	39	40	35	26	26	25	24	28	35	35	38	46	42	38	48	46	46	39	46	46	41	48	46	51	48	40	41	41.0
	Minimum	40	31	42	34	27	17	24	17	20	10	2	15	26	23	16	29	34	17	19	32	23	29	27	28	27	28	10	18	38	26	14	24.0
Weston	Maximum	49	51	49	50	42	46	40	32	29	25	24	30	36	40	39	50	49	50	49	39	50	49	55	53	50	48	48	60	55	48	48	44.6
	Minimum	39	26	28	24	25	19	20	15	20	18	8	12	24	22	14	25	34	32	29	25	19	30	25	32	31	32	12	25	45	29	20	24.5
Wheeling (Dam 12)	Maximum	52	51	49	43	40	41	29	27	25	25	23	34	37	33	47	45	39	40	50	34	43	39	47	48	49	42	38	51	47	33	39	40.0
	Minimum	34	34	29	29	22	22	21	19	20	12	9	11	16	23	23	21	22	22	28	30	27	29	29	27	28	14	13	14	29	21	20	22.5
Southern Division																																	
Beckley	Maximum	64	45	42	45	41	45	40	25	22	22	19	28	31	37	52	46	45	42	45	34	46	39	52	53	57	51	52	54	49	42	37	42.0
	Minimum	30	20	26	31	22	22	21	12	15	16	6	4	17	20	8	33	28	22	28	24	19	30	22	26	39	33	11	31	39	29	27	22.9
Bluefield	Maximum	65	..	47	46	43	48	43	25	..	25	19	27	31	39	55	..	55	40	49	41	48	42	..	54	..	56	48	53	52	..	46	43.9
	Minimum	34	..	25	35	26	26	25	16	..	19	12	7	24	24	16	..	32	26	30	27	24	32	..	25	..	39	34	19	44	..	30	26.0
Charleston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
Gary*	Maximum	49	49	51	44	44	50	31	27	25	25	24	33	34	41	57	53	41	47	54	40	50	42	55	56	58	55	58	53	50	50	47	44.9
	Minimum	46	24	26	38	23	23	24	21	21	24	18	12	15	21	14	15	37	26	26	32	25	25	22	24	26	44	19	19	32	39	39	25.8
Hinton*	Maximum	50	51	46	47	47	53	33	32	27	27	23	35	36	44	46	51	39	45	45	38	45	41	51	54	63	57	50	47	52	44	44	44.0
	Minimum	48	28	29	32	27	27	28	20	20	23	15	12	15	28	18	19	32	32	29	32	23	22	24	23	25	39	19	19	30	38	31	26.1
Huntington	Maximum	72	55	48	50	48	50	39	29	29	28	26	31	43	43	43	54	47	50	51	37	52	45	56	46	52	55	49	57	52	45	45	45.0
	Minimum	40	27	32	35	29	25	27	21	25	23	19	14	29	30	19	37	37	27	34	32	25	36	25	32	41	36	16	29	45	31	29	29.3
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
Madison	Maximum	47	45	53	44	44	51	33	30	29	27	22	36	38	40	55	55	40	48	53	38	49	40	56	53	57	57	47	58	53	43	52	44.9
	Minimum	23	26	34	22	23	25	18	21	21	11	4	11	12	15	22	37	24	25	31	21	31	23	28	29	37	16	12	31	23	27	35	23.2
Marlinton	Maximum	56	42	40	36	42	42	36	32	22	20	18	22	28	32	32	46	42	36	34	30	36	32	40	38	38	40	32	38	34	40	30	35.0
	Minimum	30	32	30	30	30	32	22	20	16	14	14	16	20	16	18	24	28	28	26	18	18	20	20	22	24	26	28	28	24	26	24	23.4
Point Pleasant	Maximum	40	52	50	44	44	43	41	30	28	27	24	30	41	40	42	48	46	45	50	40	47	46	55	53	47	45	47	49	47	45	39	42.7
	Minimum	38	27	30	33	28	21	29	19	22	20	10	9	27	26	15	35	36	24	28	31	25	34	24	29	37	34	12	26	45	30	25	26.7
Rainelle	Maximum	71	53	40	40	39	46	40	25	24	22	19	29	30	37	44	43	45	38	39	38	44	34	51	51	56	50	46	48	48	42	35	40.9
	Minimum	32	20	22	31	21	21	23	13	17	17	11	6	20	21	5	20	26	27	29	25	12	28	18	23	35	31	12	21	37	31	26	22.0
Ravenswood	Maximum	75	51	53	52	49	48	47	40	31	30	28	29	42	42	45	53	53	47	51	47	48	48	53	53	51	52	49	56	52	47	47	47.4
	Minimum	39	21	26	36	29	20	27	15	23	21	7	14	28	29	15	35	36	27	33	32	26	32	26	26	38	37	15	26	44	30	28	27.1
Richwood	Maximum	70	47	39	46	50	48	43	26	24	21	20	28	30	31	47	46	49	37	52	41	46	45	52	46	58	52	60	52	51	42	38	43.1
	Minimum	34	24	27	34	24	23	25	15	18	16	12	8	21	23	11	32	31	25	31	26	29	18	22	36	38	33	16	28	41	32	29	25.2
Robertsburg*	Maximum	45	52	50	44	46	48	30	29	29	26	22	33	40	40	50	53	50	50	54	43	49	37	55	50	58	50	49	54	50	49	48	44.6
	Minimum	42	25	27	35	23	22	23	18	22	22	8	5	12	25	12	17	30	26	26	32	24	24	24	27	30	35	15	17	33	31	30	23.9
Ryan	Maximum	62	50	50	40	45	45	35	23	23	20	17	23	32	33	40	48	45	45	48	32	45	33	55	45	50	60	45	45	45	38	37	40.5
	Minimum	34	18	20	29	15	15	22	11	17	14	-5	5	23	14	8	25	30	20	25	25	14	28	17	22	33	27	9	20	28	25	19	19.6
Spencer*	Maximum	50	51	50	45	45	50	31	30	28	25	22	32	38	40	51	52	37	50	53	35	48	37	55	51	56	47	49	55	50	36	46	43.4
	Minimum	44	26	26	32	25	21	22	16	21	21	1	13	27	28	9	34	36	26	35	31	21	35	24	27	29	32	14	20	32	30	25	25.3
Sutton	Maximum	78	48	49	49	41	46	46	32	30	25	24	29	35	36	36	52	52	47	48	48	49	49	55	55	54	54	44	55	55	48	37	45.4
	Minimum	40	24	24	26	22	20	28	16	21	19	10	12	28	27	10	29	31	21	31	30	19	35	22	29	39	32	14	25	46	30	21	25.2
Union	Maximum	38	..	40	41	47	47	47	29	..	23	23	26	31	36	41	..	35	37	45	45	42	42	..	49	51	51	45	45	47	..	33	39.8
	Minimum	37	..	35	37	26	22	28	17	..	19	11	6	24	23	12	..	25	29	31	29	20	31	..	20	22	36	16	26	36	..	28	24.8
White Sulphur Spgs.	Maximum	43	56	52	50	52	50	35	26	27	27	21	30	33	34	41	50	46	49	50	35	50	38	40	50	59	50	45	48	49	48	35	42.5
	Minimum	22	21	28	21	23	18	16	19	18	8	7	13	12	10	32	31	22	31	26	15	17	17	18	20	33	14	17	23	32	27	30	20.7
Williamson*	Maximum	47	47	49	46	45	51	40	34	29	28	27	35	39	42	45	67	48	51	50	49	50	44	57	56	58	55	54	51	52	51	50	46.8
	Minimum	46	28	30	37	26	27	29	23	25	26	21	16	17	29	21	24	39	28	28	34	26	28	27	27	30	46	22	24	34	40	33	28.7

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 1-29-35—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE

WEST VIRGINIA SECTION

40

R. P. POWELL

Vol. XLII   Parkersburg, W. Va., Year, 1934   No. 13

GENERAL SUMMARY

The year, 1934, averaged somewhat warmer and much drier than usual. This was the fifth driest year of State record. The snowfall was considerably above the normal, and fell mostly during February and March.

February was unusually cold, being the second coldest of State record. March, October, and December averaged slightly below the normal. January and the late spring months were warm, June and July were unusually warm, while September and November were slightly above the average.

The precipitation was unfavorably distributed for good growth. March, August, September, and November were wet, but the other months were dry. The precipitation was deficient from March to July, inclusive, and the conditions were generally droughty, causing much damage to crops.

The season of growth for ripening of all crops extended from the latter part of April to the middle of October, being somewhat longer than usual.

Cloudiness was slightly below normal. The sunshine at Parkersburg averaged 55 per cent. of the possible amount, or 9 per cent. above the normal. The average at Elkins was 50 per cent., or 5 per cent. above the normal.

The wind movement at Parkersburg was 54,974 miles, and at Elkins 53,654 miles.

THE WEATHER BY MONTHS

JANUARY.—January was warm with only a few short cold periods and the precipitation averaged considerably below the normal. A severe cold wave covered the State on the evening of the 28th, and on the morning of the 29th temperature readings ranged from zero to 15° below in practically all sections. The snowfall was unusually light. Stock remained in the open during the greater part of the month.

FEBRUARY.—This was the coldest February since 1895, and the second coldest February of State record. Unusually low temperatures were noted on the mornings of the 9th and 28th. The precipitation was unusually light and fell mostly in the form of snow. Winter grains were well protected by a good snow-cover, and little damage resulted from the cold weather.

MARCH.—Much cloudiness prevailed during the month with frequent rains, which averaged somewhat above the normal. The month was considerably colder than usual, with zero readings on the mornings of the 1st and 12th. The snowfall averaged much above the normal, and was heavy in scattered localities of the mountain districts. Winter grains were in fair to good condition.

APRIL.—The month was warm and somewhat drier than normal. Freezing temperatures and killing frosts occurred frequently during the last decade, causing great damage to fruit bloom and truck. Farm work was about two weeks late. The greater part of the spring plowing was completed and some oats were sown and potatoes and corn planted.

MAY.—The month was unusually dry, being the driest May since 1914, and the third driest of May State record. Freezing temperatures and killing frosts were reported from many districts on four or five days. The temperature averaged considerably above the normal. The soil was too dry for the proper germination of oats and corn. Frosts caused considerable damage to fruit, gardens, and other vegetation.

JUNE.—June was exceptionally warm, being the warmest June of State record. The rainfall averaged considerably below the normal. Weather conditions were generally favorable for crop growth, although the drought was somewhat severe in scattered localities of the eastern counties. At the close of the month, wheat was ripening rapidly and harvest was in progress with fair to poor yield, while corn, pastures, and meadows were in fair to good condition, but rain was needed in many sections.

JULY.—The month was the warmest July of State record. Maximum temperatures of 100° or above were recorded at practically all stations on from three to five days. Rainfall averaged practically normal. At the close of the month, wheat and oats were harvested, many fields of early potatoes marketed, and haying completed. Corn was in fair to good condition and mostly laid by; early planting was generally in roasting ear stage, but was injured somewhat by heat and drought.

AUGUST.—Temperatures were about normal, while the rainfall averaged considerably above normal. Unusually low temperatures prevailed during the last few days of the month, with light frosts in the mountain districts. The month was generally favorable for farm work and crop growth.

SEPTEMBER.—A warm, wet month. Precipitation occurred frequently and was well distributed throughout the month. With the exception of two or three short periods, the temperatures were continuously above the normal. The weather was mostly favorable for crop growth.

OCTOBER.—The month was somewhat cold and pleasant with a large percentage of sunshine. The precipitation was unusually light. The first general killing frost of the season occurred on the 14th, but the damage was small, as all crops were matured. Snow or snow flurries occurred generally on the 27th and 28th, the amounts were mostly light and unimportant.

NOVEMBER.—The month was decidedly warm and somewhat wet, the average temperature, 46.6°, was the sixth highest of November State record. The snowfall was light to moderate, and averaged much below the normal. This was the seventh month of the year with an excess in temperature and a deficiency in precipitation. Weather generally favorable for outlook work.

DECEMBER.—A cold, dry month, with about the normal amount of sunshine. Unusually cold weather prevailed generally on the 11th, temperature readings were near or slightly below zero. The snowfall was much lighter than normal, and fell mostly during the second decade. Owing to freezing and thawing, without much snow-cover, the conditions were unfavorable for winter grains.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	3.598	6.011	7.109	7.055	4.686	3.578	2.616	......
	Wind Movement	......	2,069	1,417	1,216	941	806	581	1,382	......

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest annual	Least annual	Average snowfall	With precip .01 inch or more	Clear	Partly Cloudy	Cloudy
1891...	52.0	−0.9	94	− 9	45.96	+ 3.20	66 70	31.83	......	......	......	......	....
1892.	52.3	−0.6	99	−12	38.33	− 4.43	48.76	32.60	......	......	......	......	....
1893...	52.0	−0.9	99	−25	39.82	− 2.94	52.77	35.15	......	116	......	......	....
1894...	53.5	+0.6	103	−29	34.52	− 8.24	49.85	26.63	......	102	155	114	96
1895...	51.5	−1.4	107	−21	32.82	− 9.94	46.55	24.76	......	100	150	111	104
1896...	53.6	+0.7	97	−10	43.49	+ 0.73	60.82	26.26	.....	111	132	128	106
1897...	53.5	+0.6	103	−18	41.59	− 1.17	54.83	31.72	.....	116	141	113	111
1898...	53.9	+1.0	103	−13	47.61	+ 4.85	66.05	38.21	20.6	117	133	129	103
1899...	53.0	+0.1	100	−35	40.97	− 1.79	55.02	32.46	36.1	108	142	107	116
1900...	54.3	+1.4	104	−11	37.62	− 5.14	50.32	27.67	30.6	114	135	116	114
1901...	52.0	−0.9	104	−11	44.78	+ 2.02	60.03	31.30	28 2	116	128	95	142
1902...	52.8	−0.1	104	−14	42.19	− 0.57	58.83	29.52	49.1	112	128	118	119
1903...	52.2	−0.7	105	−19	40.55	− 2.21	64.64	30.05	29.3	112	151	102	112
1904...	51.4	−1.5	98	−20	33.33	− 9.43	50.60	20.22	31.7	111	148	110	108
1905...	52.3	−0.6	100	−22	45.53	+ 2.77	63.67	31.57	35.3	117	144	102	119
1906...	54.0	+1.1	101	−11	44.36	+ 1.60	70.28	32.35	40.2	130	134	101	130
1907...	52.1	−0.8	98	−23	**52.15**	+ 9.39	80.86	32.99	35.0	138	128	102	135
1908...	53.6	+0.7	101	−16	40.47	− 2.29	64.83	29.91	38.0	116	155	110	101
1909...	53.0	+0.1	101	−10	43.02	+ 0.26	70.07	29.06	30.3	126	143	109	113
1910...	52.3	−0.6	98	−11	38.60	− 4.16	68.83	27.44	47.4	118	140	103	122
1911...	54.5	+1.6	106	− 5	47.13	+ 4.37	73.29	31.00	23.2	131	140	97	128
1912...	51.7	−1.2	100	−34	43.83	+ 1.07	76.33	25.70	33.9	124	159	81	126
1913...	54.1	+1.2	103	− 4	48.29	+ 5.53	77.98	32.86	31.6	122	162	79	124
1914...	52.2	−0.7	106	−22	39.71	− 3.05	59.95	27.42	67.7	116	153	81	131
1915...	52.7	−0.2	101	− 8	44.14	+ 1.38	67.82	27.36	29.4	125	146	84	135
1916...	52.5	−0.4	104	−18	45.52	+ 2.76	69.56	26.23	43.9	121	157	92	117
1917...	**50.1**	−2.8	104	**−37**	43.56	+ 0.80	71.38	27.91	54.6	123	163	74	128
1918...	53.1	+0.2	110	−27	45 28	+ 2.52	77.07	31.05	37.7	122	160	83	122
1919...	54.0	+1.1	104	−16	47.89	+ 5.13	82.72	24.94	16.8	118	164	78	123
1920...	51.8	−1.1	99	−11	42.04	− 0.72	60.40	28.99	25.7	120	147	75	144
1921...	**55.7**	+2.8	101	−10	45.46	+ 2.70	69.72	21.16	22.4	122	145	93	127
1922...	53 9	+1.0	100	−15	41.30	− 1.46	62.71	19.21	25.8	117	164	68	133
1923...	52.8	−0.1	102	−20	45.04	+ 2.28	80.06	24.85	23.9	125	161	73	131
1924 ..	50.7	−2.2	104	−16	47.21	+ 4.45	72.31	23.29	36.1	129	154	79	133
1925...	52.8	−0.1	104	−27	40 57	− 2.19	66.08	25.98	31.1	124	147	85	133
1926...	51.6	−1.3	107	−23	49.60	+ 6.84	**89.01**	29.25	49.4	139	126	81	158
1927...	53.7	+0.8	100	−14	49.14	+ 6.38	78.16	27.00	26.6	138	138	77	150
1928...	52.3	−0.6	103	−14	43.29	+ 0.53	73.41	19.01	45.8	134	136	82	148
1929...	52.7	−0.2	104	−19	46.77	+ 4.01	78.81	32.20	44.5	132	142	77	146
1930...	53.2	+0.3	**112**	−21	**25.43**	−17.33	44.76	**9.50**	34.2	107	164	79	122
1931.	54.7	+1.8	108	−10	42.36	− 0.40	69.32	29.40	18.5	132	146	82	137
1932...	54.0	+1.1	106	−12	43.86	+ 1.10	67.11	32.91	16.5	119	163	82	121
1933...	54.4	+1.5	104	−12	48.65	+ 5.89	82.89	27.28	24.2	136	147	93	125
1934...	53.5	+0.6	107	−26	37.61	− 5.15	57.99	22.68	37.8	113	163	86	116
Period	52.9	......	112	−37	42.76	....	89.01	9.50	33.9	121	147	94	124

CLIMATOLOGICAL DATA FOR THE YEAR 1934

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	32	47.8	95	July 26	−25	Feb. 28	32	44.71	6.52	July	1.35	Oct.	63.5	134	217	54	94	w.
Brandywine	Pendleton	1,586	19	52.6	102	July 21	−20	Feb. 28	19	29.58	5.40	Sept.	0.80	Jan.	31.0	84	232	17	116	s.
Circleville	Pendleton	....	....	....	....	....	....	....	3	36.18	5.66	Sept.	1.64	Feb.	....	128	....	....	....	....
Harpers Ferry	Jefferson	244	....	....	....	....	....	....	46	33.88*	5.58	Sept.	0.71	Oct.	....	103	....	....	....	....
Kearneysville	Jefferson	548	4	54.1	105	July 25	−17	Feb. 28	4	35.46	6.66	Sept.	0.66	Oct.	21.0	91	169	107	89	s.
Martinsburg	Berkeley	435	42	54.4	107	July 25	−10	Feb. 28	44	38.95	7.19	Sept.	0.79	Oct.	22.7	112	259	87	19	w.
McNeill	Hardy	900	2	53.2	105	July 21	−23	Feb. 28	2	29.43	4.58	Sept.	0.90	Feb.	17.5	76	74	100	191	w.
Piedmont	Mineral	1,053	19	52.0	101	July 21	−11	Feb. 28	19	35.14	6.70	Sept.	0.78	Feb.	20.5	97	167	87	111	nw.
Romney	Hampshire	824	37	53.9	104	July 26	−19	Feb. 28	34	33.25	6.83	Sept.	0.92	Feb.	18.2	105	119	106	140	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	15	37.60	4.41	Sept.	0.83	Oct.	76.7	106	78	77	210	w.
Upper Tract	Pendleton	1,230	38	....	103	July 26	−18	Feb. 28	38	22.68	3.91	Nov.	0.79	Oct.	....	56	....	....	....	....
Wardensville	Hardy	1,200	15	52.2	101	July 21	−20	Feb. 28	17	29.67	5.27	July	1.01	Jan.	24.0	122	....	....	....	....
Northern Division																				
Aberdeen	Upshur	1,060	....	....	....	....	....	....	11	39.87	6.33	Aug.	0.76	Oct.	35.6	125	115	139	111	w.
Alma (near)	Tyler	800	....	....	....	....	....	....	8	31.15	5.44	Aug.	0.53	Oct.	29.4	121	168	75	122	....
Alpena	Randolph	2,571	5	47.7	93	July 21	−19	Feb. 28	5	49.52	6.94	July	1.13	Oct.	92.0	141	156[a]	105[a]	103[a]	w.
Beuson	Harrison	1,080	12	52.2*	101	July 21	−23	Feb. 28	12	37.51	6.36	Aug.	0.55	Oct.	34.0	111	....	....	....	....
Bens Run	Pleasants	622	34	55.7	106	July 21	−14	Feb. 28	34	32.51	5.78	June	0.25	Oct.	27.0	110	199	101	65	....
Brownsville	Lewis	1,032	11	54.2	102	July 21†	−17	Feb. 28	12	38.91	6.70	Aug.	0.74	Oct.	29.0	111	154	141	70	....
Buckhannon	Upshur	1,411	42	53.3	97	July 26	−12	Feb. 28	45	43.02	6.54	Aug.	0.82	Oct.	38.0	98	179	98	88	....
Cairo	Ritchie	680	32	53.7	105	July 2	−22	Feb. 28	32	32.85	7.79	Aug.	0.61	Oct.	28.3	87	186	50	129	....
Clarksburg	Harrison	1,015	12	52.3	102	July 26	−23	Feb. 28	12	34.53	6.53	Aug.	0.71	Oct.	31.4	130	135	115	115	w.
Crawford	Lewis	1,107	....	....	....	....	....	....	12	39.17	6.43	Aug.	0.92	Oct.	32.7	131	163	110	92	sw.
Creston	Wirt	640	34	54.1	104	July 21†	−18	Feb. 28	35	38.90	7.24	Aug.	0.66	Oct.	23.0	109	157	40	168	....
Dam 10 Mon. R.	Marion	826	....	....	....	....	....	....	13	35.64	4.61	Aug.	1.28	Oct.	....	132	....	....	....	....
Dam 13 O. R.	Ohio	655	....	....	....	....	....	....	19	36.66	6.10	July	0.63	Oct.	....	113	....	....	....	....
Dam 15 Mon. R.	Monongalia	882	....	....	....	....	....	....	13	33.42	5.08	July	0.92	Oct.	....	132	....	....	....	....
Davis	Tucker	3,093	....	....	....	....	....	....	25	54.43	7.89	July	2.22	Feb.	110.0	....	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	25	35.91	7.39	Aug.	0.51	Oct.	28.9	114	....	....	....	....
Elkins	Randolph	1,947	36	50.5	96	July 26	−18	Feb. 28	36	39.37	4.93	Aug.	1.52	Oct.	51.2	157	84	118	163	w.
Fairmont	Marion	883	29	54.9	105	July 25†	−12	Feb. 28	43	33.51	4.80	July	1.56	Oct.	43.2	122	146	85	134	w.
Glenville	Gilmer	738	42	55.9	105	July 26	−15	Feb. 28	48	41.04	6.28	Aug.	0.65	Oct.	26.4	133	180	53	132	w.
Grafton	Taylor	1,000	41	54.2	103	July 25	−15	Feb. 28	43	41.81	6.15	Aug.	1.00	Oct.	40.8	111	....	....	....	....
Horner	Lewis	1,044	....	....	....	....	....	....	12	38.54	4.92	Aug.	0.87	Oct.	....	103	....	....	....	....
Horton	Randolph	2,840	....	....	....	....	....	....	10	38.00	4.88	July	1.17	Oct.	52.6	103	171	76	118	nw.
Janelew (near)	Lewis	1,020	12	53.9	102	July 26	−21	Feb. 28	12	38.51	5.20	July	0.74	Oct.	24.6	83	189	69	107	nw.
Lost Creek	Harrison	1,026	39	52.6	103	July 25	−25	Feb. 28	39	34.69	4.37	Mar.	0.56	Oct.	35.1	112	175	50	140	w.
Mannington	Marion	985	34	51.6	96	July 21†	−24	Feb. 27†	34	38.10	6.51	July	0.97	Oct.	29.7	143	150	83	132	w.
Morgantown	Monongalia	1,250	42	52.5	102	July 21	−11	Feb. 28	61	35.46	5.67	Mar.	0.44	Dec.	45.0	83	188[a]	87[a]	89[a]	sw.
New Cumberland	Hancock	671	38	51.5	101	July 24	−16	Feb. 28	38	28.63	6.89	Aug.	0.75	Feb.	25.5	129	132	84	149	s.
New Martinsville	Wetzel	634	42	55.0	106	July 21	−11	Feb. 28	42	33.34	6.55	Aug.	0.49	Oct.	20.4	85	166	79	120	n.
Parkersburg	Wood	638	47	54.6	103	July 21	−7	Feb. 9	47	28.68	4.69	Aug.	0.49	Oct.	24.4	117	123	104	138	se.
Parsons	Tucker	1,649	36	52.7	102	July 26	−18	Feb. 28	36	40.63*	6.59	Aug.	1.02	Feb.	....	....	....	....	....	....
Parsons No. 2	Tucker	1,649	....	....	....	....	....	....	9	40.82	5.67	Aug.	1.77	Oct.	50.6	139	201	74	90	....
Philippi	Barbour	1,550	....	....	....	....	....	....	42	38.47	4.90	Aug.	0.94	Oct.	....	125	....	....	....	....
Pickens	Randolph	2,697	45	49.6	96	July 26	−21	Feb. 9	45	57.99	6.78	June	1.51	Oct.	128.0	148	191	76	98	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	12	37.88	6.50	Aug.	0.83	Oct.	27.6	120	188	48	129	....
Saint Marys	Pleasants	577	....	....	....	....	....	....	27	32.97	4.83	Aug.	0.25	Oct.	26.3	120	....	....	....	....
Terra Alta	Preston	2,559	35	....	92	July 24†	−8	Jan. 29	35	....	....	....	....	....	....	....	....	....	....	....
Thomas	Tucker	1,112	....	....	....	....	....	....	6	50.21	9.20	July	1.66	Oct.	....	136	....	....	....	....
Valley Chapel	Lewis	1,011	12	54.1	102	July 26	−16	Feb. 28	12	39.22	5.37	Aug.	0.57	Oct.	33.0	116	159	98	108	w.
Vandalia	Lewis	1,120	....	....	....	....	....	....	12	38.14	6.11	Aug.	1.02	Oct.	....	94	....	....	....	....
Wellsburg	Brooke	668	36	52.1	106	July 22	−26	Feb. 27	43	33.08	5.55	Aug.	0.81	Feb.	14.0	90	184	72	109	w.
West Milford	Harrison	979	....	....	....	....	....	....	10	38.94	5.90	Aug.	0.60	Oct.	....	87	....	....	....	....
Weston	Lewis	1,026	42	56.2	105	July 25	−16	Feb. 28	47	39.96	5.30	Aug.	0.75	Oct.	....	139	87	184	94	....
Wheeling (Dam 12)	Ohio	645	48	52.2	102	July 21†	−14	Feb. 28	51	30.27	4.92	Aug.	0.53	Oct.	27.5	110	140	101	124	....
Woodlands	Marshall	637	....	....	....	....	....	....	9	32.64	7.27	Aug.	0.73	Oct.	20.5	100	162	72	131	sw.
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	10	35.09	5.77	Sept.	1.23	Oct.	41.5	115	167	77	121	w.
Bancroft	Putnam	574	34	56.4	103	July 21	−7	Feb. 28	34	35.96	6.07	Aug.	0.55	Oct.	....	86	159	47	159	w.
Beckley	Raleigh	2,440	34	51.6	94	July 5†	−8	Jan. 30	38	49.92	8.87	July	1.83	Oct.	46.3	171	110	156	99	....
Bluefield	Mercer	2,563	41	54.3	94	June 26†	−6	Jan. 30	43	41.20	6.70	Mar.	0.89	Jan.	32.1	135	....	....	....	....
Clay	Clay	706	....	....	....	....	....	....	31	43.19	6.66	Aug.	0.84	Oct.	34.1	139	....	....	....	....
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	10	34.13	5.12	July	0.97	Oct.	....	103	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	18	29.32	4.05	June	0.10	Oct.	....	116	....	....	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	18	30.69	4.38	July	0.25	Oct.	....	114	....	....	....	....
Dam 25 O. R.	Mason	565	....	....	....	....	....	....	8	29.75	5.44	Aug.	0.25	Oct.	....	174	....	....	....	....
Dam 26 O. R.	Mason	564	....	....	....	....	....	....	19	28.83	5.94	Aug.	0.17	Oct.	....	98	....	....	....	....
Gary	McDowell	1,426	18	54.4	96	July 26	−4	Feb. 28	18	42.71	6.63	Aug.	1.15	Jan.	26.7	164	....	....	....	....
Hinton	Summers	1,431	38	55.6	102	July 5†	−8	Feb. 28	46	41.20	7.07	Mar.	1.33	Jan.	....	137	220	46	99	....
Huntington	Cabell	538	38	58.0	104	July 21†	−4	Feb. 9	41	32.59	6.15	Aug.	0.39	Oct.	28.0	125	120	136	109	nw.
Kanawha Falls	Fayette	618	....	....	....	....	....	....	16	37.04*	6.32	Aug.	0.95	Oct.	....	....	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	19	53.40	12.96	July	0.85	Oct.	58.4	136	....	....	....	....
Kingston	Fayette	1,481	....	....	....	....	....	....	5	32.28*	5.85	Sept.	1.50	June	....	....	....	....	....	....
Lewisburg	Greenbrier	2,250	35	....	102	July 21†	−8	Feb. 28	45	....	....	....	....	....	....	....	....	....	....	....
Logan	Logan	700	....	....	....	....	....	....	34	41.85	8.64	Aug.	1.27	Oct.	....	112	....	....	....	....
Madison	Boone	675	18	55.2	100	July 25†	−3	Feb. 9†	24	40.64	6.97	July	0.93	Feb.	13.3	123	240	61	64	....
Marlinton	Pocahontas	2,131	41	48.9	90	July 21	−22	Feb. 28	40	37.00*	5.41	Sept.	1.28	Oct.	....	....	....	....	....	sw.
Point Pleasant	Mason	595	42	54.9	106	July 21	−11	Feb. 28	46	35.03	5.62	Aug.	0.28	Oct.	33.5	120	167	99	99	sw.
Rainelle	Greenbrier	2,424	5	49.9	96	July 21†	−19	Feb. 28	5	43.44	6.98	Mar.	1.41	Oct.	73.2	157	187	35	143	....
Ravenswood (Dam 22)	Jackson	584	12	56.2	105	July 21†	−14	Feb. 28	20	30.02	5.08	July	0.38	Oct.	16.5	100	163	69	133	se.
Richwood	Nicholas	2,193	5	52.3	98	July 26	−8	Feb. 28	5	46.11	6.45	Mar.	1.61	Oct.	100.7	171	126	106	133	nw.
Robertsburg	Putnam	570	35	55.1	105	July 21	−9	Feb. 28	35	31.42	5.27	Aug.	0.31	Oct.	23.0	109	211	0	154	....
Ryan	Roane	700	33	51.0	100	July 25†	−17	Feb. 28	33	34.53	7.22	Aug.	0.67	Oct.	36.2	115	181	69	115	....
Sharples	Logan	889	....	....	....	....	....	....	15	38.91*	6.39	Aug.	0.63	Oct.	....	....	....	....	....	....
Spencer	Roane	784	38	55.1	105	July 25	−14	Feb. 28	38	35.37	5.26	Mar.	1.06	Oct.	33.0	112	152	112	101	....
Sutton	Braxton	850	30	55.1	102	July 25†	−11	Feb. 28	34	49.98	7.85	July	1.15	Oct.	81.0	117	244	0	121	....
Union	Monroe	2,250	33	53.0	96	June 29†	−7	Jan. 30†	33	35.57	4.87	July	0.54	Jan.	63.0	69	....	....	....	....
Wayne	Wayne	598	....	....	....	....	....	....	8	37.18	5.23	Aug.	0.58	Oct.	....	105	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	23	54.3	99	July 21	−10	Feb. 27†	23	42.82*	6.20	Mar.	1.75	May	....	....	262	36	67	....
Williamson	Mingo	660	35	57.2	102	July 21	3	Jan. 30†	35	43.30	9.28	Aug.	1.10	Oct.	24.4	147	126	137	102	se.
State averages and	extremes	....	....	53.5	107	July 25	−26	Feb. 27	....	37.61	12.96	July	0.10	Oct.	37.8	113	163	86	116	w.

[a] 1 day interpolated from nearby stations, [b] 2 days, etc. † And other dates * Partly interpolated

Monthly and Annual Mean Temperatures for the Year 1934, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	32.9	+4.5	18.8	−10.8	34.7	−3.0	46.6	+2.9	56.4	0.0	67.4	+3.9	70.7	+3.1	65.0	−0.8	61.4	+0.5	49.2	0.0	42.4	+3.1	28.6	+0.5	47.8	+0.3
Brandywine	36.0	+5.8	22.8	−11.9	39.3	−2.1	52.0	+2.1	61.6	+3.0	72.4	+5.4	77.0	+5.7	71.5	+1.6	66.6	+1.9	54.1	+0.8	44.6	+2.6	33.2	−1.0	52.6	+1.2
Kearneysville	37.6	......	24.0	......	38.6	......	52.6	......	64.3	......	[a]76.2	......	79.2	......	72.1	......	68.0	......	53.8	......	47.2	......	35.3	......	54.1	......
Martinsburg	[a]36.8	+6.2	[a]23.2	−8.4	[a]38.9	−2.7	[a]52.6	+1.0	[a]65.4	+2.6	[a]77.4	+6.4	[a]81.1	+5.4	[a]73.6	+0.6	[a]68.0	+1.1	[a]54.8	+0.1	[a]46.4	+3.2	[a]34.6	+0.6	54.4	+1.3
McNeill	36.8	+4.3	25.0	−9.3	39.4	−5.2	52.4	−0.4	60.8	−2.6	73.3	+2.5	77.6	+3.0	71.7	−1.8	67.2	−0.6	53.8	−2.3	46.8	+2.1	33.6	−1.0	53.2	−0.9
Piedmont	34.4	+4.4	22.4	−11.4	37.0	−4.2	51.5	+1.1	63.4	+3.4	72.6	+4.5	76.2	+3.9	70.2	−0.3	66.4	+0.7	53.0	−0.4	45.7	+3.5	31.6	−1.4	52.0	+0.3
Romney	37.5	+6.4	25.0	−9.2	38.4	−4.0	53.5	+1.8	63.1	+0.2	74.6	+4.7	78.8	+3.9	71.7	−1.9	68.8	+2.0	55.4	+0.5	47.0	+3.9	[a]33.2	−1.3	53.9	+0.6
Upper Tract	[a]35.5	+3.1	[b]23.2	−10.3	......	......	......	......	[f]60.2	−0.1	[f]72.5	+5.1	78.4	+6.7	[b]72.6	+2.4	[f]70.6	+5.3	......	......	......	......	[c]34.5	+0.9	......	......
Wardensville	[a]35.2	+4.4	[a]23.4	−10.4	37.6	−4.3	[a]51.1	+1.5	[c]61.4	+2.0	72.4	+6.9	76.6	+6.0	[b]69.2	−0.3	[b]65.8	+1.6	53.2	+0.6	47.1	+3.2	[e]33.0	−0.7	52.2	+0.9
Northern Division																										
Alpena	32.1	......	19.8	......	[a]35.0	......	48.0	......	56.0	......	66.2	......	70.1	......	64.9	......	60.7	......	48.6	......	41.8	......	28.8	......	47.7	......
Benson	37.0	+2.9	22.3	−15.7	37.0	−3.3	52.6	0.0	61.0	+0.2	73.0	+4.8	75.8	+3.3	*72.6	+1.9	65.8	−1.1	51.9	−1.0	44.5	+1.4	32.9	−3.3	52.2	−0.8
Bens Run	37.5	+4.6	24.8	−8.0	39.5	−4.0	54.1	+1.3	67.3	+4.3	78.5	+7.7	81.2	+6.1	74.9	+1.3	71.8	+3.4	58.0	+1.4	47.8	+3.7	33.5	−1.3	55.7	+1.7
Brownsville	38.0	+3.4	24.8	−12.8	39.7	−2.2	54.7	+2.4	62.2	+0.6	74.2	+4.7	78.0	+4.2	72.6	+0.4	69.0	+1.4	55.2	+0.6	47.5	+2.9	34.0	−2.6	54.2	+0.2
Buckhannon	38.2	+5.7	24.4	−8.7	37.4	−4.5	54.1	+3.0	63.0	+1.9	73.2	+4.8	76.5	+4.7	70.7	+0.8	66.8	+2.3	53.2	−0.6	47.0	+4.8	34.6	+0.4	53.3	+1.2
Cairo	37.6	+3.2	23.8	−10.4	38.6	−5.7	54.1	+0.1	63.4	+0.3	74.5	+4.2	77.5	+3.2	72.6	+0.1	67.3	−0.8	54.7	−1.1	46.8	+3.1	33.8	−0.9	53.7	−0.4
Clarksburg	35.8	+3.2	20.4	−14.2	36.6	−3.1	52.2	+1.0	62.8	+2.5	74.8	+5.4	77.5	+3.7	71.4	−0.6	68.0	+0.5	51.9	−1.5	44.2	+1.4	31.8	−3.4	52.3	−0.4
Creston	38.0	+3.9	24.4	−10.3	39.0	−5.0	53.8	+0.4	64.2	+1.1	75.3	+4.6	78.1	+3.4	73.2	+0.1	69.2	+1.4	54.4	−1.3	46.5	+2.3	33.5	−1.8	54.1	−0.1
Elkins	34.4	+4.0	21.6	−10.0	37.2	−2.8	49.4	+0.6	59.5	+0.3	70.4	+3.5	74.1	+3.8	68.6	−0.5	64.6	+1.6	50.8	−1.5	44.6	+4.3	30.9	−1.8	50.5	+0.1
Fairmont	37.4	+4.8	23.1	−10.0	38.4	−3.1	54.8	+3.0	66.0	+3.9	77.8	+7.5	80.3	+6.0	73.6	+0.9	70.5	+3.1	55.6	+0.5	47.6	+4.7	34.0	0.0	54.9	+1.8
Glenville	40.1	+6.3	26.4	−8.2	40.8	−3.9	55.6	+1.7	65.1	+1.5	77.0	+5.9	79.3	+4.0	74.0	+0.1	70.0	+1.5	58.1	+1.9	48.9	+4.6	36.0	+0.1	55.9	+1.3
Grafton	37.9	+5.3	24.8	−7.8	39.2	−2.3	53.5	+2.0	63.5	+2.0	75.0	+5.9	77.7	+5.1	71.6	+0.2	68.8	+1.7	54.8	−0.4	48.8	+5.7	35.0	+0.8	54.2	+1.5
Janelew	38.6	+3.3	24.4	−13.7	39.4	−3.0	53.4	+0.5	63.0	+3.0	74.6	+5.1	77.7	+3.7	72.2	+0.1	68.4	+0.8	54.3	−0.8	46.6	+1.8	34.6	−2.5	53.9	−0.1
Lost Creek	37.3	+4.4	23.2	−9.5	38.6	−3.8	52.2	+1.6	62.3	+1.9	74.4	+6.8	77.0	+4.8	69.8	−0.9	65.4	0.0	52.4	−1.8	45.6	+3.0	33.4	−1.0	52.6	+0.5
Mannington	36.5	+4.6	21.4	−11.4	36.5	−5.8	51.2	+0.1	61.4	+1.0	72.2	+4.4	75.0	+3.2	69.4	−0.8	65.7	+0.8	51.9	−1.7	45.7	+3.7	32.7	−0.9	51.6	−0.2
Morgantown	36.3	+4.0	21.6	−11.2	38.9	−3.2	52.2	+0.5	62.0	−0.1	[a]72.2	+2.9	78.3	+4.8	71.1	−0.9	65.4	−2.1	54.5	−0.7	45.6	+1.8	32.1	−2.3	52.5	−0.5
New Cumberland	35.2	+6.6	17.8	−11.3	33.1	−6.3	49.5	+0.3	[a]63.0	+2.8	75.4	+7.2	[a]77.2	+4.2	70.2	−0.6	67.7	+2.2	52.8	−1.2	45.0	+3.4	[a]31.5	−0.2	51.5	+0.6
New Martinsville	37.9	+4.8	23.8	−9.7	38.8	−4.5	52.7	+0.4	65.4	+1.4	77.1	+6.0	79.6	+4.4	73.6	−0.1	70.6	+2.1	57.2	+0.4	48.6	+3.8	35.2	−0.1	55.0	+0.7
Parkersburg	36.4	+3.9	23.6	−10.6	39.4	−3.4	53.4	0.0	65.8	+2.0	77.2	+5.8	79.6	+4.2	73.7	−0.2	69.6	+2.3	55.4	−0.7	47.4	+3.6	34.2	−1.0	54.6	+0.5
Parsons	35.6	+1.1	[c]22.7	−9.0	39.5	−1.0	50.4	+1.2	61.6	+2.8	73.2	+6.3	76.4	+5.6	76.4	+5.6	67.2	+3.5	[h]54.6	+3.1	[b]47.4	+6.2	33.2	+0.9	52.7	+1.8
Pickens	34.0	+3.1	[a]22.2	−9.7	36.8	−2.4	48.4	+0.3	60.0	+1.9	[a]69.4	+4.5	[a]72.4	+3.8	[a]66.8	+0.3	63.2	+1.4	[a]50.2	−1.5	43.2	+2.8	28.6	−3.6	49.6	+0.1
Terra Alta	32.1	+4.2	......	......	......	......	......	......	......	......	......	......	72.6	+4.4	64.8	+2.0	61.2	−0.6	......	......	......	......	......	......	......	......
Valley Chapel	38.7	+3.6	24.9	−13.6	39.1	−3.4	52.8	−0.3	62.8	+1.2	75.0	+5.4	78.3	+4.3	72.6	+0.1	[a]67.6	−0.4	55.0	−0.4	46.8	+1.8	35.1	−2.4	54.1	−0.3
Wellsburg	34.6	+4.4	20.2	−9.8	36.2	−3.6	50.2	+0.6	62.6	+2.4	75.2	+7.2	76.8	+4.6	70.8	+0.5	67.7	+2.8	53.1	−0.4	45.5	+3.7	32.5	+0.1	52.1	+1.0
Weston	40.9	+6.8	25.9	−8.0	42.1	−1.7	55.4	+2.6	65.9	+3.2	77.2	+6.8	80.6	+6.2	74.8	+2.1	70.8	+3.5	57.2	+1.7	49.0	+5.0	34.6	−1.2	56.2	+2.2
Wheeling (Dam 12)	34.1	+3.7	17.8	−14.3	34.6	−5.9	51.8	+0.2	64.1	+2.3	76.2	+5.6	78.8	+4.0	71.2	−1.6	67.8	+0.4	53.6	−1.3	45.0	+2.8	31.2	−0.4	52.2	−0.4
Southern Division																										
Bancroft	40.4	+6.1	28.0	−6.9	42.8	−1.8	55.6	+2.1	65.8	+3.0	76.4	+5.7	79.0	+4.3	74.8	+1.7	70.1	+1.7	58.8	+2.1	48.2	+3.5	36.8	+1.4	56.4	+1.9
Beckley	36.6	+3.4	25.0	−9.7	38.2	−4.5	51.3	+1.1	61.2	+1.4	70.0	+0.1	73.6	−0.2	68.8	−3.3	65.3	−0.9	52.4	−3.5	44.4	+1.1	32.4	−1.9	51.6	−1.3
Bluefield	[f]36.6	+1.7	[e]28.6	−6.2	[e]43.2	−1.2	[e]53.6	0.0	[d]63.6	+2.0	[d]72.6	+1.5	[f]76.4	+4.8	[d]71.2	+0.7	[i]67.8	+1.6	[e]55.9	+0.2	[e]47.0	+2.1	[f]35.0	−1.9	54.3	+0.4
Charleston	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	72.2	+1.3	58.3	−0.6	50.5	+2.7	38.0	−1.6	......	......
Dam No. 6 G. K.	......	......	......	......	[a]43.3	−4.1	[a]56.6	+0.3	67.2	+1.8	[a]77.4	+4.3	81.4	+4.5	75.0	−0.3	......	......	......	......	......	......	......	......	......	......
Gary	39.0	+3.9	[a]28.0	−9.9	41.0	−1.5	54.6	+1.2	63.9	+2.8	73.1	+3.8	77.3	+4.2	72.9	+0.9	68.1	−0.4	54.0	−1.6	45.8	+0.8	35.4	−2.4	54.4	+0.2
Hinton	37.6	+3.1	27.2	−8.3	40.4	−3.7	54.9	+1.7	66.2	+2.8	76.6	+6.1	80.2	+5.8	74.6	+1.3	71.2	+3.2	56.9	−1.1	46.8	+2.7	35.0	−0.8	55.6	+1.1
Huntington	42.0	+8.0	29.1	−5.6	43.0	−2.0	57.9	+3.3	68.1	+3.4	78.6	+5.7	82.0	+5.4	76.5	+1.7	72.4	+3.4	58.6	+2.2	50.8	+6.5	37.6	−2.0	58.0	+2.5
Lewisburg	36.0	+3.6	26.6	−6.7	40.0	−2.1	53.2	+2.7	63.9	+3.8	74.2	+7.0	[d]78.3	+7.3	71.2	+1.8	66.4	+2.1	54.3	+1.1	......	......	......	......	......	......
Madison	38.5	+1.9	26.4	−7.2	42.1	−0.6	55.7	+1.4	65.3	+1.5	75.0	+2.7	78.6	+3.8	74.0	−0.4	69.8	+2.1	55.8	+0.2	46.6	+3.1	34.0	−1.0	55.2	+0.6
Marlinton	30.6	+2.6	20.4	−11.4	36.6	−1.3	46.2	−0.6	56.2	−0.8	[l]64.6	+0.3	72.9	+5.3	66.9	+0.7	64.8	+3.6	53.1	+3.5	45.4	+7.8	29.2	−0.2	48.9	+0.8
Point Pleasant	38.0	+3.9	25.4	−8.0	40.0	−5.2	54.5	−0.4	65.0	+0.3	76.0	+3.6	79.2	+2.8	73.3	−1.4	68.5	+2.6	56.0	−1.2	48.4	+3.1	34.7	−1.1	54.9	−0.1
Rainelle	34.0	......	23.0	......	36.6	......	49.2	......	58.2	......	67.8	......	72.4	......	68.6	......	64.6	......	50.7	......	[e]41.8	......	31.4	......	49.9	......
Ravenswood (Dam 22)	39.1	+3.7	25.1	−13.7	40.2	−3.1	56.4	+2.6	66.1	+4.2	77.0	+6.5	80.6	+5.5	74.8	+1.9	70.7	+1.3	57.4	+1.1	50.0	+4.3	37.2	−0.7	56.2	+1.1
Richwood	36.8	......	25.6	......	40.0	......	51.3	......	61.8	......	70.6	......	73.2	......	69.5	......	65.8	......	53.3	......	46.0	......	34.2	......	52.3	......
Robertsburg	35.8	+2.5	23.2	−10.9	38.2	−5.7	55.0	+2.0	66.4	+1.2	77.0	+5.8	80.6	+5.1	75.8	+1.9	70.9	+2.5	56.2	−0.4	47.5	+3.9	34.2	−0.5	55.1	+0.6
Ryan	[a]35.4	+1.4	20.4	−13.9	34.8	−8.0	49.8	+2.2	60.9	−0.3	71.9	+3.1	75.0	+1.9	70.0	−1.7	66.7	+2.1	53.5	+0.8	43.8	+0.4	30.0	−4.5	51.0	−1.4
Spencer	40.2	+6.5	25.8	−9.4	40.6	−2.3	54.1	+1.3	65.2	+3.2	76.0	+6.3	79.4	+5.8	73.2	+0.9	69.6	+3.1	54.8	−0.1	47.6	+3.5	34.4	−2.1	55.1	+1.4
Sutton	39.3	+5.0	26.6	−9.5	41.4	−2.8	55.0	+2.2	63.2	−0.1	75.2	+4.1	78.8	+4.0	72.6	−0.5	70.0	+1.3	56.2	−0.5	47.4	+3.4	35.3	+0.1	55.1	+0.6
Union	[d]33.2	−0.1	[d]25.4	−9.8	[d]40.4	−3.0	[e]55.4	+3.6	[d]63.4	+2.5	[d]72.3	+4.5	[e]76.0	+4.4	[d]70.6	+0.4	[e]66.2	+0.1	[d]54.5	+0.1	[d]45.8	+3.4	[e]32.3	−1.7	53.0	+0.4
White Sulphur Springs	34.1	+2.0	27.9	−7.6	41.8	−0.8	52.8	+1.4	66.9	+6.4	75.2	+7.2	77.5	+5.9	72.0	+1.7	67.2	+2.3	55.8	+3.4	48.8	+6.7	31.6	−1.5	54.3	+2.3
Williamson	41.3	+5.3	29.6	−7.8	42.6	−4.1	57.5	+2.0	67.6	+2.6	76.6	+5.0	81.4	+5.3	75.8	+1.0	70.4	+0.7	56.8	−1.0	47.9	+2.3	37.8	+0.2	57.2	+1.0

Reference letters indicate number of days missing; [a] one day, [b] two days, etc. * Interpolated

KILLING FROSTS

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Alpena	May 27	Oct. 13	Marlinton	May 26	Oct. 14
Bancroft	April 28	Oct. 30	Martinsburg	April 28	Oct. 14
Bayard	May 27	Oct. 14	McNeill	May 8	Oct. 14
Beckley	May 26	Oct. 13	Morgantown	May 28	....
Benson	May 8	Oct. 13	New Cumberland	May 22	Oct. 14
Bens Run	April 28	Oct. 14	New Martinsville	April 28	Oct. 14
Bluefield	April 28	Oct. 15	Parkersburg	April 28	Oct. 14
Brandywine	April 28	Oct. 14	Parsons	April 28	Oct. 14
Brownsville	April 28	Oct. 13	Pickens	May 26	Oct. 13
Buckhannon	April 28	Oct. 14	Piedmont	April 28	Oct. 13
Cairo	April 28	Oct. 14	Point Pleasant	April 28	Oct. 14
Charleston	April 28	Oct. 30	Rainelle	May 26	Oct. 14
Clarksburg	April 29	Oct. 14	Ravenswood	April 28	Oct. 14
Creston	April 28	Oct. 14	Richwood	April 28	Oct. 13
Elkins	April 28	Oct. 14	Robertsburg	April 28	Oct. 14
Fairmont	April 28	Oct. 14	Romney	April 29	Oct. 14
Gary	April 28	Oct. 14	Ryan	April 29	Oct. 14
Glenville	April 29	Oct. 14	Spencer	April 28	Oct. 14
Grafton	April 28	Oct. 14	Sutton	May 14	Oct. 14
Hinton	April 28	Oct. 29	Union	April 28	Oct. 13
Huntington	April 28	Oct. 14	Valley Chapel	April 28	Oct. 14
Janelew	April 28	Oct. 14	Wardensville	April 29	Oct. 13
Kearneysville	April 28	Oct. 14	Wellsburg	May 16	Oct. 13
Lewisburg	April 27	Oct. 13	Weston	April 28	Oct. 14
Lost Creek	April 29	Oct. 13	Wheeling (Dam 12)	April 28	Oct. 14
Madison	April 27	Oct. 14	White Sulphur Spgs.	April 28	Oct. 14
Mannington	April 28	Oct. 14	Williamson	April 28	Oct. 28

TEMPERATURE AND PRECIPITATION DATA FOR 1934

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January	36.7	+4.2	71	−15	2.75	−0.87	1.6	11	10	6	15	w.
February	24.0	−9.2	65	−26	1.86	−1.28	17.6	9	10	5	13	w.
March	38.9	−3.4	80	−18	4.26	+0.38	11.4	14	10	6	15	w.
April	52.8	+1.0	91	18	2.58	−0.93	1.2	11	12	8	10	w.
May	63.1	+1.4	100	27	2.08	−1.89	0	6	18	8	5	w.
June	74.3	+4.7	106	41	3.45	−0.90	......	9	17	8	5	w.
July	77.5	+4.4	107	40	4.56	−0.01	......	10	16	9	6	w.
August	71.6	0.0	99	35	5.37	+1.35	......	11	14	9	8	w.
September	69.0	+2.5	94	33	4.19	+1.26	......	9	15	8	7	w.
October	54.4	−0.2	86	14	1.01	−1.77	0.1	4	20	6	5	w.
November	46.6	+3.4	80	8	3.30	+0.53	1.0	9	12	7	11	w.
December	33.5	−1.2	78	− 8	2.20	−1.14	4.9	10	9	6	16	w.
Annual	53.5	+0.6	107	−26	37.61	−5.15	37.8	113	163	86	116	w.

Monthly and Annual Precipitation for the Year 1934, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	4.39	−0.47	3.24	−0.52	3.36	−1.17	3.23	−0.84	2.06	−2.48	3.64	−1.81	6.52	+1.65	5.48	+0.64	4.74	+1.03	1.35	−2.39	4.16	+1.00	2.54	−1.59	44.71	−6.95
Brandywine	0.80	−1.13	1.45	−0.35	3.40	+0.85	1.05	−2.00	2.60	−0.16	1.95	−1.42	3.35	−0.03	3.23	+0.09	5.40	+3.05	0.90	−1.44	3.70	+1.83	1.75	−0.01	29.58	−0.72
Cireleville	2.26	......	1.64	......	3.86	......	2.11	......	3.28	......	3.49	......	2.13	......	2.88	......	5.66	......	1.87	......	4.40	......	2.60	......	36.18	......
Harpers Ferry	1.14	−1.45	0.98	−1.40	2.65	−0.35	3.67	+0.54	2.65	−1.01	2.22	−1.43	2.90	−0.53	5.04	+1.32	5.58	+2.88	0.71	−2.39	1.84	−0.45	*4.50	+2.02	33.88	−2.25
Kearneysville	1.22	......	1.08	......	3.01	......	2.00	......	2.71	......	3.10	......	3.35	......	5.22	......	6.66	......	0.66	......	3.21	......	3.24	......	35.46	......
Martinsburg	1.54	−0.96	2.43	−0.06	2.32	−0.91	2.63	−0.54	3.13	−0.41	1.36	−2.71	4.36	+0.73	5.06	+1.29	7.19	+4.37	0.79	−2.13	3.18	+0.88	4.96	+2.29	38.95	+1.84
McNeill	1.25	−1.04	0.90	−1.37	2.69	+0.06	1.13	−1.82	2.46	−0.98	3.55	−0.22	4.10	+0.81	3.04	−0.11	4.58	+2.08	1.07	−1.22	3.24	+1.62	1.42	−0.66	29.43	−2.85
Piedmont	2.86	+0.43	0.78	−1.62	1.67	−1.29	2.38	−1.04	1.84	−1.66	3.73	+0.21	3.53	+0.19	5.12	+1.68	6.70	+4.45	1.33	−1.49	3.43	+1.35	1.77	−0.50	35.14	+0.71
Romney	1.96	−0.37	0.92	−1.12	2.05	−0.76	1.88	−1.04	2.58	−1.06	3.92	−0.05	3.01	−0.47	4.11	+0.47	6.83	+4.11	0.98	−1.62	3.44	+1.57	1.57	−0.71	33.25	−1.05
Stony River Dam	4.21	+1.40	1.80	−1.05	4.14	+0.79	2.89	−0.86	2.35	−2.25	3.81	−0.21	3.72	−0.42	3.20	−1.38	4.41	+1.63	0.83	−2.37	4.01	+1.06	2.23	−1.01	37.60	−4.67
Upper Tract	0.88	−1.22	0.88	−0.78	1.42	−0.75	0.80	−1.50	2.27	−0.58	2.77	−0.74	1.96	−1.46	2.00	−1.24	3.38	+1.16	0.79	−1.43	3.91	+2.38	1.62	−0.16	22.68	−6.32
Wardensville	1.01	−1.12	1.04	−0.67	2.43	+0.23	1.76	−0.75	2.77	−0.19	1.73	−1.27	5.27	+2.17	4.53	+0.90	3.53	+0.94	1.11	−2.05	1.94	+0.31	2.55	+0.81	29.67	−0.69
Northern Division																										
Aberdeen	3.90	+0.50	1.72	−1.38	4.52	+0.73	2.59	−1.21	2.39	−1.48	3.79	−0.57	4.57	−0.22	6.33	+1.85	4.17	+0.86	0.76	−2.78	3.03	−0.31	2.10	−0.90	39.87	−4.29
Alma	2.52	......	1.11	......	2.94	......	1.80	......	2.07	......	3.88	......	3.03	......	5.44	......	3.70	......	0.53	......	2.65	......	1.48	......	31.15	......
Alpena	4.28	......	2.64	......	4.72	......	3.08	......	2.39	......	3.95	......	6.94	......	6.62	......	6.35	......	1.13	......	4.67	......	2.75	......	49.52	......
Benson	3.40	−0.21	1.88	−1.83	4.02	+0.56	2.35	−0.86	2.89	−1.04	5.24	+0.93	2.27	−2.88	6.36	+1.87	3.86	+0.23	0.55	−3.01	2.87	−0.62	1.82	−1.67	37.51	−8.53
Bens Run	1.90	−2.10	1.53	−1.59	3.68	+0.33	1.89	−1.82	2.23	−1.83	5.78	+1.51	2.97	−1.55	5.55	+1.25	1.86	−0.72	0.25	−2.76	2.46	−0.45	2.41	−1.19	32.51	−10.92
Brownsville	3.73	+0.14	1.46	−1.61	5.74	+2.27	2.04	−1.32	1.88	−2.35	3.95	−0.36	4.99	+0.19	6.70	+2.43	3.05	−0.70	0.74	−2.68	3.03	+0.64	1.60	−1.72	38.91	−5.07
Brueeton Mills	5.14	+0.34	2.14	−1.40	3.85	+0.07	3.78	0.00	1.59	−2.78	1.87	−3.22	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Buckhannon	3.94	−0.35	3.33	−0.57	5.17	+0.65	3.07	−1.11	2.23	−2.31	4.12	−0.87	5.54	+0.38	6.54	+2.42	3.77	+0.64	0.82	−2.50	2.74	−0.75	1.75	−2.33	43.02	−6.70
Cairo	2.65	−1.49	1.73	−1.47	3.38	−0.59	1.28	−2.23	0.92	−2.50	3.66	−1.33	2.75	−1.82	7.79	+3.86	3.18	+0.19	0.61	−2.34	3.44	+0.52	1.46	−2.26	32.85	−11.46
Clarksburg	2.98	−0.33	1.50	−1.54	3.61	+0.59	1.86	−1.51	2.21	−1.47	3.12	−1.15	3.59	−0.49	6.53	+2.05	3.83	+0.23	0.71	−2.42	2.91	−0.28	1.68	−1.40	34.53	−7.72
Crawford	3.17	−0.31	1.83	−1.49	5.12	+0.79	2.83	−1.40	1.92	−2.57	5.03	+0.26	3.67	−1.47	6.43	+1.85	3.73	−0.01	0.92	−2.57	2.89	−0.65	1.63	−1.96	39.17	−9.53
Creston	2.90	−0.92	1.44	−1.65	4.05	+0.16	2.42	−1.37	1.47	−2.32	3.34	−0.97	7.21	+3.01	7.24	+3.32	3.40	+0.80	0.66	−2.50	2.73	−0.03	2.04	−1.40	38.90	−3.87
Dam 10, Mon. R.	3.53	+0.34	1.75	−1.12	3.90	+0.13	3.35	−0.12	1.71	−2.36	2.85	−1.49	3.50	−0.58	4.61	+0.55	3.68	+0.16	1.28	−1.89	3.57	+0.42	1.91	−1.51	35.64	−7.47
Dam 13, O.R.	2.22	−0.83	0.98	−1.40	3.08	−0.04	2.44	−0.73	1.77	−1.69	3.53	+0.03	6.10	+1.99	5.73	+1.78	5.58	+2.14	0.63	−2.27	2.26	−0.61	2.34	−0.52	36.66	−2.15
Dam 15, Mon. R.	3.53	+0.31	1.37	−1.62	3.66	+0.25	1.85	−1.44	1.47	−2.19	2.71	−1.28	5.08	+1.15	4.37	+0.24	3.46	+0.47	0.92	−2.32	3.07	−0.22	1.93	−1.20	33.42	−7.85
Davis	6.98	+1.93	2.22	−2.05	4.28	−0.28	4.93	+0.67	3.52	−1.21	3.70	−1.57	7.89	+2.67	4.61	−0.41	6.13	+2.31	2.28	−1.74	4.49	+1.22	3.40	−1.49	54.43	+0.05
Elizabeth	2.02	−1.95	1.70	−1.17	3.81	+0.10	1.40	−1.90	1.60	−1.89	4.90	+0.74	4.34	−0.34	7.39	+2.80	3.42	+0.64	0.51	−2.87	1.98	−0.93	2.84	−0.47	35.91	−7.24
Elkins	3.37	−0.41	2.53	−0.55	4.66	+0.86	3.14	−0.48	2.16	−1.89	4.71	−0.35	2.97	−2.41	4.93	+1.07	3.82	+0.67	1.52	−1.39	3.45	+0.67	2.11	−1.35	39.37	−5.56
Fairmont	3.29	−0.50	1.66	−1.42	4.16	+0.35	1.83	−1.48	1.80	−2.10	3.17	−1.19	4.80	+0.34	2.84	−0.95	3.51	+0.68	1.56	−1.35	2.96	+0.09	1.93	−1.49	33.51	−9.02
Glenville	3.84	−0.37	2.01	−1.70	4.75	+0.59	2.49	−1.27	1.32	−2.84	4.58	+0.11	5.38	+0.14	6.28	+2.08	3.75	+0.40	0.65	−2.49	3.37	+0.18	2.62	−1.13	41.01	−6.30
Grafton	4.05	+0.08	1.40	−1.75	3.97	+0.04	3.19	−0.50	1.84	−2.20	3.16	−1.26	5.51	+0.75	6.15	+2.12	4.51	+1.63	1.00	−2.17	3.91	+0.92	3.12	−0.39	41.81	−2.73
Horner	3.35	−0.68	2.46	−1.19	4.70	+0.94	3.10	−0.26	1.83	−2.84	4.48	+0.18	4.87	+0.07	4.92	+0.04	4.20	+0.67	0.87	−2.82	1.16	−2.63	2.60	−0.93	38.54	−9.45
Horton	2.29	−1.11	1.59	−1.54	3.35	−0.40	1.87	−1.80	3.25	−0.86	3.54	−1.52	4.88	+0.49	4.77	+0.14	4.41	+1.77	1.17	−2.23	4.56	+1.39	2.32	−1.27	38.00	−6.94
Janelew	3.14	−0.12	1.99	−0.78	4.38	+1.12	2.79	−0.86	1.89	−2.71	3.97	−0.10	5.20	+0.26	4.85	0.00	4.10	+0.86	0.74	−2.58	3.06	−0.26	2.40	−0.68	38.51	−5.85
Lost Creek	3.67	−0.13	1.32	−1.79	4.37	+0.47	2.55	−0.85	2.16	−1.98	4.30	−0.05	3.50	−1.16	4.36	+0.20	3.37	+0.39	0.56	−2.32	2.99	+0.16	1.54	−1.98	34.69	−9.04
Mannington	3.35	−0.78	1.51	−1.38	3.87	+0.10	2.37	−1.29	1.65	−2.25	3.96	−0.14	6.51	+1.90	4.12	+0.15	4.85	+1.48	0.97	−2.05	2.83	+0.03	2.11	−1.34	38.10	−5.57
Morgantown	3.08	−0.54	1.86	−1.14	5.67	+2.17	3.00	−0.22	1.96	−1.67	2.21	−2.27	4.26	−0.51	5.52	+1.38	3.44	+0.30	1.02	−2.09	3.00	+0.06	0.44	−2.69	35.46	−7.22
New Cumberland	2.03	−0.81	0.75	−1.69	2.24	−1.00	2.63	−0.65	1.04	−2.36	2.36	−2.19	3.40	−0.68	6.89	+3.50	1.92	−0.99	0.97	−1.75	2.68	+0.36	1.72	−1.04	28.63	−9.30
New Martinsville	3.29	−0.53	1.21	−1.75	3.47	−0.18	1.88	−1.61	2.57	−1.08	3.12	−0.96	3.35	−1.34	6.55	+2.87	2.52	−0.37	0.49	−2.46	2.80	−0.10	2.09	−1.43	33.34	−8.94
Parkersburg	1.91	−1.67	1.25	−1.88	3.19	−0.30	1.24	−1.95	2.09	−1.29	3.72	−0.28	2.93	−1.36	4.69	+1.18	3.29	+0.53	0.49	−1.99	2.16	−0.41	1.72	−1.31	28.68	−10.73
Parsons	3.28	−1.33	1.02	−2.50	5.89	+1.68	3.47	−0.29	1.43	−2.70	1.88	−3.11	4.25	−0.84	6.59	+2.54	5.05	+1.90	*1.77	−1.50	3.06	+0.13	2.94	−1.11	40.63	−7.13
Parsons (No. 2)	3.18	−1.43	2.07	−1.45	4.22	+0.01	3.28	−1.05	2.16	−1.97	4.06	−0.93	4.64	−0.45	5.67	+1.62	4.08	+0.93	1.77	−1.50	3.37	+0.44	2.32	−1.73	40.82	−7.51
Philippi	3.90	−0.18	2.13	−1.22	4.87	+0.76	2.71	−1.24	2.43	−1.94	2.92	−1.77	4.39	−0.65	4.90	+0.73	3.70	+0.32	0.94	−2.12	3.33	+0.26	2.25	−1.56	38.47	−8.61
Pickens	4.62	−1.76	4.25	−1.06	6.29	+0.27	4.62	−0.55	4.41	−1.01	6.78	+0.61	3.44	−2.95	6.01	+0.51	5.82	+1.66	1.51	−2.73	5.18	+0.98	5.06	−0.40	57.99	−6.43
Roanoke	3.58	−0.02	1.17	−2.21	4.29	+0.67	2.21	−1.37	1.37	−2.99	4.89	+0.58	4.71	−0.18	6.50	+2.16	3.59	+0.19	0.83	−2.59	2.85	−0.52	1.89	−1.48	37.88	−7.76
St. Marys	2.46	−1.56	1.61	−1.52	3.28	−0.46	1.12	−2.54	2.19	−1.38	4.02	−0.02	4.26	−0.01	4.83	+0.25	3.85	+0.99	0.25	−2.89	2.77	−0.24	2.33	−1.19	32.97	−10.57
Terra Alta	5.59	+0.71	......	......	......	......	......	......	......	......	......	......	......	......	7.54	+2.53	4.38	+0.67	......	......	......	......	......	......	......	......
Thomas	4.69	......	2.79	......	3.91	......	4.50	......	2.27	......	4.25	......	9.20	......	4.53	......	6.02	......	1.66	......	3.88	......	2.51	......	50.21	......
Valley Chapel	3.45	−0.14	1.60	−1.47	5.00	+1.31	2.56	−0.85	2.22	−1.67	4.16	+0.41	4.87	−0.06	5.37	+1.21	3.57	+0.25	0.57	−2.84	3.38	+0.11	2.47	−0.75	39.22	−4.49
Vandalia	3.29	+0.22	1.69	−1.33	4.95	+1.75	2.40	−1.30	1.69	−1.89	4.52	+0.71	3.66	−2.36	6.11	+1.91	3.38	+0.11	1.02	−1.95	3.16	−0.22	2.27	−0.13	38.14	−4.48
Wellsburg	2.48	−0.85	0.81	−1.72	2.72	−0.57	3.47	+0.24	1.00	−2.55	3.93	−0.43	2.66	−1.63	5.55	+1.77	4.65	+1.54	1.02	−1.85	2.83	+0.28	1.96	−1.08	33.08	−6.85
West Milford	4.05	+0.98	0.90	−2.43	4.62	+1.68	2.76	−1.06	2.30	−1.43	4.22	−0.05	3.32	−1.33	5.90	+1.28	4.23	+0.96	0.60	−3.62	3.43	−0.18	2.61	−0.47	38.94	−6.27
Weston	4.13	+0.08	1.63	−2.06	5.09	+0.83	2.81	−1.15	2.13	−2.13	4.03	−0.62	5.11	+0.16	5.30	+1.29	3.24	+0.27	0.75	−2.27	3.13	−0.15	2.61	−1.13	39.96	−6.88
Wheeling (Dam 12)	1.93	−1.20	1.39	−1.15	2.60	−0.51	2.18	−0.96	1.65	−1.73	3.85	+0.06	2.46	−2.00	4.92	+1.36	4.48	+1.57	0.53	−2.07	2.41	−0.20	1.87	−1.07	30.27	−7.90
Woodlands	2.03	......	1.18	......	2.85	......	2.42	......	2.93	......	3.04	......	3.37	......	7.27	......	3.16	......	0.73	......	1.91	......	1.75	......	32.64	......
Southern Division																										
Arbovale	2.26	......	1.48	......	4.08	......	2.16	......	2.40	......	2.83	......	2.10	......	3.37	......	5.77	......	1.23	......	4.73	......	2.68	......	35.09	......
Bancroft	2.40	−1.64	1.96	−1.03	3.75	−0.10	2.86	−0.75	2.74	−1.12	2.16	−2.18	5.38	+1.02	6.07	+1.77	4.00	+1.07	0.55	−2.47	2.92	+0.28	1.17	−2.31	35.96	−7.46
Beckley	1.93	−1.82	2.73	−0.31	8.09	+4.29	4.11	+0.78	2.38	−1.24	2.33	−2.02	8.87	+4.34	6.04	+2.60	4.61	+2.01	1.83	−1.11	4.36	+2.01	2.64	−0.65	49.92	+8.88
Bluefield	0.89	−2.15	2.43	−0.73	6.70	+3.31	4.06	+0.77	2.17	−1.33	2.01	−2.40	3.36	−1.12	5.84	+1.76	4.16	+1.59	2.70	−0.22	4.75	+2.45	2.13	−0.90	41.20	+1.03
Charleston	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.47	−0.54	0.61	−2.30	5.45	+2.36	2.29	−1.10	......	......
Clay	2.96	−0.39	2.26	−1.12	5.50	+1.51	2.57	−0.93	2.85	−1.08	3.53	−0.87	6.28	+1.16	6.66	+2.05	3.73	+0.58	0.84	−2.09	3.52	+0.81	2.49	−0.86	43.19	−1.23
Dam 6 G. K.	2.90	+0.35	1.49	−2.02	3.55	−0.79	2.03	−1.70	1.90	−2.03	3.32	−1.02	5.12	+0.65	5.03	+0.54	2.48	−0.36	0.97	−2.16	3.43	+0.85	1.91	−0.52	34.13	−8.21
Dam 19 O. R.	1.94	−1.49	1.26	−1.37	3.10	−0.61	1.20	−2.36	2.58	−1.24	4.05	+0.15	3.91	−0.21	3.68	−0.57	3.48	+0.29	0.10	−3.08	2.22	−1.14	1.80	−1.59	29.32	−13.22
Dam 20 O. R.	2.13	−1.27	1.74	−1.17	3.23	−0.52	1.67	−1.77	1.70	−1.82	3.88	+0.01	4.38	+0.58	3.49	−0.90	4.33	+1.49	0.25	−3.01	2.19	−0.98	1.70	−1.51	30.69	−10.87
Dam 25 O. R.	1.77	......	0.99	......	3.27	......	1.37	......	0.94	......	3.37	......	4.88	......	5.44	......	3.49	......	0.25	......	2.26	......	1.72	......	29.75	......
Dam 26 O. R.	1.78	−1.94	1.40	−1.23	4.04	+0.36	1.77	−1.54	1.86	−1.54	3.73	+0.24	2.94	−0.99	5.94	+2.59	2.59	+0.35	0.17	−2.49	1.79	−0.91	0.82	−2.23	28.83	−9.33
Durbin	3.59	......	1.72	......	5.64	......	2.68	......	2.81	......	4.77	......	2.32	......	4.96	......	......	......	......	......	......	......	......	......	......	......
Gary	1.15	−2.28	3.97	+0.67	7.25	+3.57	3.79	+0.26	1.29	−2.87	3.53	−1.24	3.60	−0.35	6.63	+2.08	3.66	+0.62	2.04	−1.13	3.31	+0.49	2.49	−1.04	42.71	−1.22
Hinton	1.33	−1.72	3.31	+0.22	7.07	+3.18	2.97	−0.23	1.65	−2.03	2.85	−1.39	5.13	+1.14	5.41	+1.49	3.12	+0.44	1.85	−0.79	4.03	+1.71	2.48	−0.48	41.20	+1.54
Huntington	1.99	−1.82	1.68	−1.47	3.96	−0.27	2.34	−1.17	1.27	−2.66	2.83	−1.27	3.90	−0.41	6.15	+2.44	4.05	+1.50	0.39	−2.20	2.36	−0.41	1.67	−1.83	32.59	−9.57
Kauawha Falls	*2.78	−0.43	1.77	−0.87	*3.50	+0.30	2.62	−1.10	2.88	−1.02	2.34	−1.74	3.65	−1.21	6.32	+1.43	4.33	+1.17	0.95	−2.35	3.70	+0.57	2.20	−1.16	37.04	−6.41
Kayford	1.91	−2.12	3.45	+0.10	5.69	+1.37	3.11	−1.01	2.49	−2.44	2.74	−2.78	12.96	+8.10	7.36	+2.02	6.94	+3.23	0.85	−2.92	3.31	−0.10	2.59	−1.30	53.40	+2.15
Kingston	1.83	......	1.59	......	2.61	......	4.60	......	1.81	......	1.50	......	2.15	......	2.06	......	5.85	......	2.00	......	*3.50	......	2.78	......	32.28	......
Lewisburg	......	......	2.80	−0.08	2.93	−0.68	2.63	−0.73	1.50	−1.97	2.02	−1.96	3.45	−0.39	4.24	+0.58	4.06	+1.34	2.37	−0.51	......	......	......	......	......	......
Logan	2.06	−2.14	2.64	−0.87	6.14	+1.33	2.52	−1.79	1.48	−2.78	3.26	−1.72	5.40	+0.26	8.64	+4.64	4.22	+1.20	1.27	−1.59	2.46	−0.53	1.76	−2.35	41.85	−6.34
Madison	2.74	−1.36	0.93	−2.30	4.84	+0.66	3.04	−0.80	2.37	−1.96	4.11	−0.05	6.97	+1.64	6.35	+2.53	3.47	+0.01	1.11	−1.52	3.52	+0.87	1.19	−1.71	40.64	−3.99
Marlinton	2.65	−1.27	1.50	−2.00	5.15	+0.75	2.42	−1.10	3.90	−0.16	*3.26	−1.57	*5.30	+0.27	1.56	−3.42	5.41	+2.32	1.28	−1.83	2.73	−0.32	1.84	−1.93	37.00	−10.26
Point Pleasant	2.24	−1.72	2.29	−1.09	4.28	+0.21	1.22	−2.12	1.06	−2.82	4.51	+0.43	5.52	+1.30	5.62	+2.31	4.16	+1.74	0.28	−2.43	2.29	−0.62	1.56	−1.76	35.03	−6.57
Rainelle	2.16	......	3.11	......	6.98	......	4.34	......	1.50	......	3.28	......	3.48	......	4.81	......	4.10	......	1.41	......	5.17	......	3.10	......	43.44	......
Ravenswood (Dam 22)	1.80	−1.91	1.07	−1.65	3.34	−0.38	1.45	−1.63	1.68	−1.81	2.79	−1.03	5.08	+0.89	4.50	+0.77	4.10	+1.56	0.38	−2.72	2.41	−0.90	1.42	−1.89	30.02	−10.70
Riehwood	2.31	......	3.57	......	6.45	......	3.58	......	2.68	......	3.21	......	4.15	......	6.62	......	4.04	......	1.61	......	5.03	......	2.86	......	46.11	......
Robertsburg	2.11	−1.66	1.53	−1.48	3.53	−0.33	2.09	−1.39	0.98	−2.40	1.94	−1.87	5.05	+1.27	5.27	+1.82	3.75	+0.30	0.31	−2.43	3.13	−0.25	1.73	−1.65	31.42	−10.07
Ryan	2.61	−1.36	2.17	−1.18	4.47	+0.22	1.75	−2.06	0.94	−2.62	2.95	−1.51	3.66	−1.06	7.22	+3.18	2.26	−0.73	0.67	−2.67	3.49	+0.03	2.34	−1.12	34.53	−10.88
Sharples	1.68	−1.76	2.67	−0.41	5.03	+1.29	2.94	−0.95	1.28	−2.79	3.17	−1.41	5.60	+0.51	6.39	+1.64	4.47	+1.35	0.63	−2.17	3.05	−0.53	*2.60	−1.58	38.91	−6.81
Spencer	2.84	−1.20	1.59	−1.59	5.26	+1.41	2.43	−1.00	1.81	−1.78	2.62	−1.76	4.96	+0.71	4.62	+0.83	3.37	+0.41	1.06	−2.09	2.30	−1.05	2.51	−0.84	35.37	−7.95
Summersville	......	......	......	......	......	......	......	......	......	......	2.47	......	8.20	......	5.24	......	4.07	......	1.65	......	3.46	......	2.08	......	......	......
Sutton	4.05	−0.64	3.08	−0.48	6.58	+2.36	3.23	−0.97	2.90	−1.68	3.95	−1.19	7.85	+2.15	5.55	+1.11	5.20	+1.77	1.15	−2.05	4.08	+0.06	2.36	−1.66	49.98	−1.22
Thornwood	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	4.02	......	2.01	......	4.48	......	2.70	......	......	......
Union	0.54	−2.78	3.00	+0.17	4.85	+1.44	2.87	−0.03	1.70	−1.23	1.40	−2.48	4.87	+0.98	3.15	−0.64	3.58	+1.05	3.34	+0.43	4.30	+1.46	1.97	−0.87	35.57	−2.50
Wayne	2.53	......	2.02	......	3.94	......	2.83	......	1.69	......	3.92	......	4.92	......	5.23	......	4.96	......	0.58	......	2.91	......	1.65	......	37.18	......
White Sulphur Springs	1.85	−0.70	*3.00	−0.15	6.20	+3.09	2.45	−0.60	1.75	−1.67	2.50	−1.21	5.15	+1.33	4.60	+1.06	5.10	+2.01	2.10	−0.74	5.25	+2.10	2.87	−0.28	42.82	+4.24
Williamson	2.21	−1.77	3.36	+0.11	6.18	+1.78	2.92	−0.95	1.48	−2.60	4.66	+0.13	3.77	−0.69	9.28	+5.36	2.76	−0.19	1.10	−1.72	4.05	+0.22	1.53	−2.30	43.30	−2.62

* Partly interpolated

(WBO, Cleveland, 3-8-35—1200)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., JANUARY, 1935 No. 1

GENERAL SUMMARY

The month averaged somewhat warmer and much wetter than normal. During the first two decades, unusually warm weather for the season prevailed, with maximum temperatures near the January record at a number of stations on several days. The last decade was cold, temperature readings were generally below zero during the last week of the month, and ranged from near or slightly below zero in the extreme southern counties, to 23 degrees below zero in the northeastern districts. This was the sixth consecutive warm January. Precipitation occurred almost daily from the 12th to the 23d, the amounts were unusually heavy over the central valleys and extreme southern districts, causing many small streams to overflow and highways to be flooded. The snowfall averaged considerably above the normal, and was heavy in scattered districts of the mountain sections. Navigation was interrupted or suspended on navigable streams during the last few days of the month by moderately heavy ice. Sleet was general throughout the State on the 17th, 19th, 20th, and 22d, the fall was heavy at Arbovale on the 17th. On account of the wet condition of the soil and the large number of days with precipitation, the month was generally unfavorable for outdoor work. During the cold weather winter grains were protected by snow cover, and at the close of the month were mostly in fair condition.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 33.3°, or 0.6° above the normal. Temperatures were much above the normal during the first two decades, with the highest readings occurring generally on the 9th and 21st. Temperatures were continuously low from the 22d to the end of the month, the lowest temperatures were noted on the mornings of the 24th, 25th, and 28th. The highest monthly mean was 38.8° at Williamson, and the lowest, 29.0° at Bayard. The highest temperature was 74° at Ravenswood on the 9th, and the lowest was 23° below zero at McNeill on the 25th, making the monthly range for the State 97°. The greatest daily range was 58° at Reedsville on the 24th.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 4.48 inches, which was 0.86 inch more than the normal. The greater portion of the precipitation was received on the 1st, 7-9th, 17th, and from the 19th to the 23d, the greatest amounts being measured on the 17th and 20th. The average snowfall for the State, 9.7 inches, was 1.8 inches more than the normal. The greatest monthly precipitation was 7.68 inches at Alpena, and the least, 1.82 inches at Marlinton. The greatest amount in any 24 consecutive hours was 2.50 inches at Alpena on the 20th. The greatest monthly snowfall was 30.0 inches at Kearneysville, and the greatest 24 hour fall was 13.0 inches at Kearneysville and Upper Tract, on the 23d. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 6th, 7th, 8th, 20th, and 21st; Charleston, 20th; Creston, 9th; Grafton, 8th and 10th; Hinton, 15th, 21st, 29th, and 31st; Huntington, 12th; Marlinton, 3d, 7th, and 8th; Martinsburg, 3d, 8th, 9th, and 10th; McNeill, 6th and 7th; Piedmont, 7th, 8th, and 9th; Pt. Pleasant, 8th, 9th, and 10th; Wellsburg, 8th, 9th, and 20th; Wheeling, 5th.

Halos, lunar: Crawford, 13th; Parkersburg, 12th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.22	30.71	30	29.49	17	8.8	33	w.	17	84	70	73	41
Columbus, Ohio	30.11	30.73	30	29.50	17	12.4	38	w.	17	31	73	70	38
Elkins	30.24	30.69	27	29.64	17	7.7	28	w.	17	80	70	75	41
Parkersburg	30.24	30.76	30	29.58	17	7.4	28	nw.	14	83	66	73	45
Pittsburgh, Pa	30.19	30.77	30	29.49	17	11.4	38	sw.	21	75	70	73	32
Wytheville, Va	30.18	30.66	5	29.62	10	8.1	31	nw.	1	79	63	73	40

COMPARATIVE DATA FOR JANUARY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	31.7	−1.0	......	......	3.64	+0.02	......	......	......	....	....	....	....
1892	29.4	−3.3	76	− 3	3.15	−0.47	......	......	......	11	....	....	....
1893	22.6	−10.1	71	−25	2.49	−1.13	......	......	......	12	7	7	17
1894	36.6	+3.9	70	− 8	2.41	−1.21	4.23	0.83	......	9	12	8	11
1895	25.0	−7.7	69	−21	4.48	+0.86	6.53	2.37	......	13	6	9	16
1896	32.4	−0.3	72	− 6	1.57	−2.05	2.72	0.67	1.8	15	9	14	8
1897	28.8	−3.9	69	−18	1.70	−1.92	2.85	0.90	4.0	9	10	7	14
1898	37.1	+4.4	75	− 5	5.10	+1.48	8.04	2.24	5.0	12	6	9	16
1899	32.1	−0.6	70	−21	4.05	+0.43	7.01	2.05	7.5	11	10	7	14
1900	34.5	+1.8	74	−10	2.24	−1.38	3.60	0.82	1.9	10	9	8	14
1901	33.6	+0.9	69	− 4	2.41	−1.21	3.87	1.18	7.3	10	8	7	16
1902	30.2	−2.5	64	− 1	3.65	+0.03	8.52	1.45	9.8	9	9	7	15
1903	31.8	−0.9	79	− 7	3.21	−0.41	6.45	1.55	8.6	11	8	7	16
1904	27.5	−5.2	72	−18	2.72	−0.90	5.82	1.24	10.8	11	9	8	14
1905	26.4	−6.3	70	−14	3.15	−0.47	7.43	1.48	22.0	13	7	7	17
1906	38.2	+5.5	80	− 5	3.79	+0.17	8.70	1.36	5.1	9	11	7	13
1907	38.7	+6.0	76	−15	**6.41**	+2.79	11.54	2.35	5.6	14	6	7	18
1908	31.0	−1.7	62	−16	2.92	−0.70	8.19	0.50	12.8	11	12	7	12
1909	36.8	+4.1	76	− 5	3.41	−0.21	6.59	1.50	8.7	12	8	6	17
1910	32.0	−0.7	67	− 5	5.68	+2.06	10.10	2.52	15.4	11	6	6	19
1911	37.3	+4.6	71	− 5	5.86	+2.24	**12.63**	3.11	7.0	14	8	6	17
1912	23.5	−9.2	66	**−34**	2.60	−1.02	6.93	1.10	13.6	10	7	8	16
1913	40.7	+8.0	74	9	6.23	+2.61	10.53	1.84	5.7	13	9	6	16
1914	35.8	+3.1	**83**	−11	3.18	−0.44	5.65	1.55	15.6	10	7	6	18
1915	31.7	−1.0	68	− 8	4.85	+1.23	11.38	2.00	10.4	13	8	6	17
1916	38.8	+6.1	79	−10	4.86	+1.24	8.52	1.70	6.1	13	11	7	13
1917	33.2	+0.5	77	− 9	4.66	+1.04	7.67	1.72	8.3	12	11	6	14
1918	**20.7**	−12.0	55	−27	4.24	+0.62	9.22	2.00	21.5	14	8	5	18
1919	34.1	+1.4	69	−16	3.79	+0.17	6.66	1.60	6.9	8	16	4	11
1920	28.7	−4.0	77	−11	4.12	+0.50	7.26	0.40	3.9	11	8	6	17
1921	35.5	+2.8	71	− 2	2.76	−0.86	5.94	**0.10**	4.3	9	11	6	14
1922	30.2	−2.5	68	−15	2.75	−0.87	4.81	1.01	10.8	11	12	6	13
1923	35.2	+2.5	68	− 1	4.46	+0.84	7.60	1.13	4.4	14	7	5	19
1924	30.1	−2.6	70	−15	4.62	+1.00	7.14	0.62	1.8	10	13	5	13
1925	31.1	−1.6	63	−27	3.81	+0.19	7.07	1.32	15.8	13	11	4	16
1926	29.7	−3.0	66	−23	3.71	+0.09	7.74	1.78	13.3	11	8	5	18
1927	32.5	−0.2	74	−14	4.08	+0.46	9.58	**0.10**	5.9	14	6	5	20
1928	32.0	−0.7	74	−14	2.18	−1.44	4.55	0.12	4.0	8	11	7	13
1929	31.4	−1.3	75	−19	2.92	−0.70	6.67	1.05	6.1	12	7	5	19
1930	34.0	+1.3	80	−13	1.86	−1.76	3.60	0.58	7.0	12	8	6	17
1931	33.7	+1.0	71	−10	**1.37**	−2.25	4.09	0.65	3.6	8	10	7	14
1932	**43.4**	+10.7	82	7	4.82	+1.20	6.72	2.33	0.3	13	9	6	16
1933	39.8	+7.1	79	1	3.73	+0.11	6.41	1.15	1.2	12	12	6	13
1934	36.7	+4.0	71	−15	2.75	−0.87	6.98	0.54	1.6	11	10	6	15
1935	33.3	+0.6	74	−23	4.48	+0.86	7.68	1.82	9.7	12	11	5	15
Period	32.7	......	83	−34	3.62	....	12.63	0.10	7.9	11	9	7	15

Climatological Data for January, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	29.0	+0.2	62	8	−8	4†	53	6.16	+1.30	1.03	15.5	14	13	2	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	30.8	−0.1	64	10	−18	25	44	4.30	+2.28	2.00	22.0	6	16	0	15	s.	Elmer Keister
Circleville	Pendleton	......	3	......	......	......	......	......	......	...	4.97	......	1.24	3.4	12	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Sherman Harrison
Kearneysville	Jefferson	548	5	30.0	......	60	10	−18	28	34	3.85	......	1.06	30.0	8	11	10	10	n.	F. J. Schneiderban
Martinsburg	Berkeley	435	43	[a]30.4	−0.6	62[a]	3	−10	28	37[a]	4.32	+1.82	0.85	25.0	11	21	5	5	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	31.6	−1.4	67	3	−23	25	51	3.64	+1.35	0.98	23.5	8	8	5	18	w.	John W. McNeill
Piedmont	Mineral	1,053	22	29.6	−1.3	55	10	−6	28	27	4.98	+2.55	1.10	20.5	9	13	4	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	30.2	−1.3	61	3	−14	28	40	2.98	+0.65	0.68	29.2	11	10	4	17	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	......	......	......	......	......	......	...	4.68	+1.87	0.90	26.0	13	4	10	17	w.	A. C. Becker
Upper Tract	Pendleton	1,230	36	[f]30.8	−1.9	64[f]	8	−12[e]	25	40[f]	2.21	+0.11	1.20	15.0	4	4[k]	5[k]	11[k]	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	30.9	−0.1	64	21	−18	28	49	3.67	+1.54	1.35	22.7	9	12	12	7	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	......	......	......	......	......	......	...	4.90	+1.50	0.98	9.7	11	10	6	15	w.	L. Else Bond
Alma (near)	Tyler	800	8	......	......	......	......	......	......	...	4.06	......	1.33	7.0	13	10	5	16	......	D. N. Furbee
Alpena	Randolph	2,571	5	30.2	......	63	9	−15	25	41	7.68	......	2.50	26.0	15	12	5	14	w.	Christian Hertig
Benson	Harrison	1,080	11	32.9	−1.2	71	21	−15	24†	48	4.41	+0.80	0.93	11.0	15	12	6	13	......	R. D. Marts
Bens Run	Pleasants	652	33	33.2	+0.3	65	21	1	27†	32	4.02	+0.02	1.33	4.2	11	14	5	12	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	35.1	+0.5	71	21	−10	24†	48	4.93	+1.34	1.07	6.0	14	8	11	12	......	W. B. Worley
Buckhannon	Upshur	1,411	38	34.6	+2.1	71	21	−9	24	43	5.10	+0.81	1.10	6.0	12	11	6	14	......	H. A. Darnall
Cairo	Ritchie	680	34	34.2	−0.2	69	10†	−11	25	53	4.24	+0.10	1.04	6.6	11	13	2	16	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	31.8	−0.8	71	21	−10	25	48	4.32	+1.01	0.95	8.0	10	11	3	17	w.	Clarksburg Water Board
Crawford	Lewis	1,107	12	......	......	......	......	......	......	...	5.28	+1.80	1.17	7.0	13	12	6	13	nw.	George W. Blair
Creston	Wirt	640	33	33.8	−0.3	70	21	−7	25†	47	4.60	+0.78	0.87	6.5	12	9	0	22	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	......	......	......	......	......	......	...	4.17	+0.98	1.03	7.5	12	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	19	......	......	......	......	......	......	...	3.06	+0.01	0.79	3.0	14	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	......	......	......	......	......	......	...	4.49	+1.17	1.11	7.5	13	......	......	......	......	Lockmaster
Davis	Tucker	3,093	26	......	......	......	......	......	......	...	7.53	+2.48	1.40	20.1	......	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	......	......	......	......	......	......	...	2.94	−1.03	0.58	11.5	12	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	34	31.6	+1.5	69	21	−10	28	51	5.42	+1.64	1.29	6.6	16	7	5	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	29	33.8	+1.6	77	9	−4	25	49	3.51	−0.28	1.09	11.4	11	13	2	16	n.	J. C. Robinson
Glenville	Gilmer	738	41	35.8	+2.0	70	9	−8	24†	47	5.82	+1.61	1.08	8.0	13	10	5	16	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	35.1	+2.5	74	21	−5	24	47	4.89	+0.92	1.10	7.5	9	13	0	18	......	W. E. Clayton
Hastings	Wetzel	......	....	36.2	......	71	21	−3	25	40	4.83	......	1.41	5.5	15	11	3	17	w.	L. G. McIntyre
Horner	Lewis	1,044	12	......	......	......	......	......	......	...	4.64	......	1.00	......	12	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	10	......	......	......	......	......	......	...	4.44	+1.04	1.05	14.5	11	14	5	12	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	34.8	−0.5	72	21	−15	24	49	4.93	+1.67	0.95	6.5	11	12	4	15	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	32.6	−0.3	69	9	−16	24	52	4.47	+0.67	0.87	8.0	12	10	3	18	w.	Allen Smith
Mannington	Marion	985	32	32.4	+0.5	69	21	−11	25	43	4.83	+0.70	1.24	9.9	14	11	3	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	30.5	−1.8	70	9	−4	24	34	3.09	−0.53	0.70	8.0	10	10	9	12	sw.	Bruce Davis
New Cumberland	Hancock	671	37	30.4	+1.8	67	21	2	28	42	2.61	−0.23	0.65	3.0	10	7	4	20	s.	C. H. Hesse
New Martinsville	Wetzel	634	41	34.4	+1.3	68	21	−2	24†	45	2.52	−1.30	0.98	3.0	8	10	1	20	n.	Wm. Ankrom
Parkersburg	Wood	638	48	33.4	+0.9	68	21	−4	28	41	2.71	−0.87	1.02	6.8	12	8	5	18	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	34.0	−0.5	72	21	−8	25†	49	5.63	+1.02	......	7.0	13	11	2	18	......	J. W. Swisber
Parsons No. 2	Tucker	1,649	9	......	......	......	......	......	......	...	5.21	+0.60	1.62	9.0	15	13	4	14	......	Robert T. Deem
Philippi	Barbour	1,550	38	......	......	......	......	......	......	...	6.85	+2.77	1.15	6.2	11	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	32	32.4	+1.5	65	8†	−11	25	44	5.61	−0.77	1.61	14.5	17	12	8	11	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	....	30.4	......	69	21	−21	25	58	4.28	......	1.28	13.5	11	12	10	9	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	......	......	......	......	......	......	...	5.10	+1.50	1.07	12.7	12	10	4	17	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	......	......	......	......	......	......	...	3.83	−0.19	1.50	2.0	9	......	......	......	......	Wm. Hughes
Thomas	Tucker	2,950	6	......	......	......	......	......	......	...	5.78	......	1.15	10.0	13	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	12	34.5	−0.6	72	21	−10	24	44	4.46	+0.92	1.00	13.0	13	10	9	12	w.	J. C. Campbell
Vandalia	Lewis	1,120	12	......	......	......	......	......	......	...	5.65	+2.58	1.06	12.0	11	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	28	32.2	+2.0	68	21	−2	25†	45	3.18	−0.15	0.68	3.0	10	9	4	18	w.	George P. Pfister
West Milford	Harrison	979	10	......	......	......	......	......	......	...	4.09	+1.02	0.98	......	8	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	36.4	+2.3	72	21	−10	24	53	5.77	+1.77	1.12	5.5	14	4	6	21	......	A. Henry
Wheeling (Dam 12)	Ohio	659	48	29.9	−0.5	68	21	−2	28	45	2.75	−0.38	0.72	6.0	13	10	2	19	n.	Lockmaster
Woodlands	Marshall	637	8	......	......	......	......	......	......	...	3.27	......	0.98	3.0	11	9	3	19	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	......	......	......	......	......	......	...	4.15	......	1.18	18.5	12	12	3	16	sw.	H. S. Sutton
Bancroft	Putnam	574	31	37.0	+2.7	69	8†	−1	28	43	6.15	+2.11	1.65	5.0	10	13	1	17	w.	Charles N. Long
Beckley	Raleigh	2,440	32	33.2	0.0	67	21	−7	25	40	4.48	+0.73	1.10	5.1	16	7	10	14	......	L. A. Mauck
Bluefield [e]	Mercer	2,558	40	36.0	+1.1	67	9	−2	24	43	5.55	+2.51	1.37	4.0	9	9	4	13	......	Norfolk & Western Ry.
Charleston	Kanawha	600	32	37.1	−0.8	73	22	7	25†	48	4.94	+1.12	1.89	5.0	13	8	3	20	......	S. E. Damron
Clay	Clay	706	19	......	......	......	......	......	......	...	5.26	+1.91	1.96	5.9	16	......	......	......	......	Chilton Wilson
Dam 6 G. K.	Kanawha	598	8	......	......	......	......	......	......	...	5.12	+2.57	1.94	......	9	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	19	......	......	......	......	......	......	...	3.06	−0.37	1.10	......	12	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	19	......	......	......	......	......	......	...	3.03	−0.37	0.72	......	10	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	8	......	......	......	......	......	......	...	2.94	......	0.58	......	11	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	19	......	......	......	......	......	......	...	4.64	+0.92	1.17	......	12	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	19	[b]37.2	+2.1	69[b]	7†	−1[b]	24	49[c]	5.47	+2.04	1.38	5.0	13	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	36.2	+1.7	67	9	4	24†	38	5.34	+2.29	1.35	3.0	13	12	3	16	......	Mrs. M. L. McClung
Huntington	Cabell	538	38	37.3	+3.3	70	8†	4	24	47	4.92	+1.11	1.15	8.5	14	7	8	16	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	......	......	......	......	......	......	...	4.54	+1.33	1.38	......	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	19	......	......	......	......	......	......	...	3.49	−0.54	1.01	6.5	15	......	......	......	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	35	......	......	......	......	......	......	...	......	......	......	......	......	......	......	......	......	Rose Argabrite
Logan	Logan	700	32	......	......	......	......	......	......	...	3.99	−0.21	1.20	......	11	......	......	......	......	J. R. Wampler
Madison	Boone	675	14	35.8	−0.8	71	8	5	23†	46	4.07	−0.03	0.90	......	10	21	2	8	......	W. E. Holy
Marlinton	Pocahontas	2,131	36	29.0	+1.0	56	9	−2	28	26	1.82	−2.10	1.02	5.0	6	2	20	9	nw.	Miss Virginia Crocket
Point Pleasant	Mason	595	42	35.4	+1.3	68	6	−2	28	45	3.68	−0.10	0.86	11.0	11	9	6	16	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	31.6	......	63	9	−7	28	39	5.63	......	1.08	6.0	17	13	2	16	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	37.0	+1.6	74	9	−7	24†	45	3.28	−0.43	0.57	6.0	11	13	1	17	nw.	Lockmaster
Richwood	Nicholas	2,193	5	34.2	......	71	9	−2	25	38	6.25	......	1.45	10.7	16	7	11	13	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	34.7	+1.4	69	8†	−3	24†	46	4.06	+0.29	1.38	5.0	12	12	0	19	......	M. Frazier
Ryan	Roane	700	32	29.9	−3.1	65	8†	−12	24†	45	5.05	+1.08	0.99	9.6	15	10	3	18	......	Wm E. Ryan
Sharples	Logan	889	15	......	......	......	......	......	......	...	2.15	−1.29	1.10	......	3	......	......	......	......	R. W. Howard
Spencer	Roane	789	31	35.8	+2.1	70	8†	−6	25	49	4.21	+0.17	0.92	7.0	10	8	7	16	......	A. M. McKown
Summersville	Nicholas	1,894	2	......	......	......	......	......	......	...	5.51	......	1.88	3.0	14	......	......	......	......	Carl Perry
Sutton	Braxton	850	29	35.6	+1.3	67	9†	−4	28	47	5.89	+1.20	0.90	12.0	16	15	0	16	......	C. B. Eakle
Thornwood	Pocahontas	2,723	1	......	......	......	......	......	......	...	4.40	......	1.40	......	6	......	......	......	......	Eva R. Smith
Union [d]	Monroe	2,250	31	33.8	+0.5	65	21†	−3	24†	37	4.93	+1.61	1.05	4.0	7	12	11	4	......	C. B. King
Wayne	Wayne	598	8	......	......	......	......	......	......	...	4.90	......	1.85	4.1	11	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	30.8	−1.3	62	9	−6	24	41	5.02	+2.47	2.15	4.0	8	15	1	15	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	38.8	+2.8	64	20†	10	24†	36	4.14	+0.22	1.62	0.7	13	6	5	20	se.	J. E. Dotson
State averages and	extremes	......	....	33.3	+0.6	74	9	−23	25	58	4.48	+0.86	2.50	9.7	12	11	5	15	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for January, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac	.50						T.	.25	.60	T.			.13	.50		.40	1.02		.37	1.03	.07	.24		.94		.08			.03			6.16
Brandywine	....do	.10								.35				T.				.75			.70		.40	2.00									4.30
Circleville	....do	.17	.12							.23	.07				.24	.09		.87			.60	.28	.32	1.24	.74								4.97
Harpers Ferry ||||	....do																																....
Kearneysville	....do	.56								.10								.52		.16	.70		.65	1.06	.10								3.85
Martinsburg ||||	....do	.60	.20							.05				.10		.05		.85			.70	.22	.15	.80	.60								4.32
McNeill	....do	.10					T.	T	T.	.15	T.			T.	T.		T.	.80		.60	.30	.05	.98	.66			T.			T.			3.64
Piedmont	....do	.40							.15	.93					.26			1.10		.64	1.05		.34	.11				T.					4.98
Romney||||	....do	.33					.01			.20				.03	.05			.33		.28	.68	.05	.52	.50									2.98
Stony River Dam	....do	.36								.38	.10				.30	.18	.42	.90			.50	.46		.50	.42		.08	.08					4.68
Upper Tract	....do									.32				T.	T.		.16	.53						1.20									2.21
Wardensville||||	....do	.13							.06	.02					T.			.60	T.	T.	.67	.18	.28	1.35	.38			T.					3.67
Northern Division																																	
Aberdeen	Monongahela	.43					T.	.06	.56	.55	T.			.08	.07			.80		.30	.97	.10	.98	T.	T.		T.						4.90
Alma (near)	Ohio	.67					.05	.02	.18	.22				.07			.03	1.33		.25	.47	.09	.62				.06						4.06
Alpena	Monongahela	.50					.04		.10	.36	.08			.27	.24		.16	1.53		.32	2.50	.22	.24	.48	.64								7.68
Benson	....do	.65						.08	.06	.40				.07	.08	.05	.04	.73		.22	.72	.22	.93				.06	.10					4.41
Bens Run	Ohio		.75				T	.06	.07	.20				.06	T.		.28	1.33		.34	.44	.17	.32		T.								4.02
Brownsville	Monongahela	.45						.10	.35	.77				.14			.12	.78		.20	1.07	.10	.80		.02		.02	.01					4.93
Buckhannon	....do	.50					T.	.10	.54	.45				.15	T		.18	.88		.20	1.10	.20	.70	.10	T.		T.						5.10
Cairo	Little Kanawha	.60						.07	.05	.53				.08	T.			.81		.16	.56	.27	1.04				.07						4.24
Clarksburg||||	Monongahela	.69							.03	.52					.14			.95			.67	.58	.47	.24				.03					4.32
Crawford||||	....do	.44					.04	.07	.13	.85	.02			.15	T.		.38	.62		.32	1.17	.22	.87		T.								5.28
Creston||||	Little Kanawha	.55						.06	.08	.56					.11			.87			.56	.72	.65	.27			.08	.09					4.60
Dam 10, Mon. R.||||	Monongahela	.92							.04	.37	.03				.16	.05		1.03			.35	.43	.44	.28			T.	.06					4.17
Dam 13, O. R.||||	Ohio	.78	.01					.02	.13	.15	.04				.07	.03		.60			.38	.34	.47				.02	.02					3.06
Dam 15, Mon. R.||||	Monongahela	.76					T.	T.	.06	.37	.06				.14	.04		1.11			.58	.50	.46	.39				.02					4.49
Davis ||||	....do	.60	.10	.03				.06		.52	.05				.60	.10		1.05			1.40	.60	.20	1.20	.68		T.	.34					7.53
Elizabeth(D'm 3 LK)	Little Kanawha						.01	.06	.05	.47	.01				.08			.56			.58	.29	.54	.22				.07					2.94
Elkins***	Monongahela	.32		T.	T.		.01	.02	.33	.18	.05			.27	.06	T.	1.09	.14		.45	1.03	.29	1.05	.08	T.		.05			T.			5.42
Fairmont||||	....do	T.					.02	.05	.40					.15	.04		1.09			.53	.46	.30	.40	T.			.07						3.51
Glenville ||||	Little Kanawha	.48					.02	.18	.12	.76					.14			1.08			.75	.81	.42	.98	T.		.04	.04					5.82
Grafton ||||	Monongahela						T.	.12	.95	.12				.25	T.		1.10			.35	1.00	.15	.85										4.89
Hastings	Ohio	.96					.09	.08	.01	.30	.01			.30	.03			1.41		.23	.52	.12	.68				.07	T.	T.	.02			4.83
Horner	Monongahela	.25							.50	.35				.10			.11	.82		.31	1.00	.12	.95	.05			.05						4.64
Horton	....do	.35								.13				.15	.19		.07	.75		.42	.70		.58	1.05	.05		T.	T.					4.44
Janelew (near)	....do	.50						.40	.73			.10		.10			.10	.75		.30	.95		.90				.10						4.93
Lost Creek	....do	.61					T.	.07	.08	.62	T.			.10	.04	T.	.04	.83		.33	.82	.08	.85				T.	T.					4.47
Mannington	....do	.87	T.				.06	.07	.07	.26	.03			.13	.06		T.	1.24		.38	.61	.23	.77		T.		.05						4.83
Morgantown	....do	.30				T.	T.	.50	.10	.40	T.			.10	.08			.08		T.	.70	.35	.48	T.			T.	T.					3.09
New Cumberland||||	Ohio	.51	T.				T.	T.	.04	.32	.02		T.		.07	.02		.65			.33	.45	.20		T.		T.			T.			2.61
New Martinsville	....do									.22				.08	T.			.98		.30	.40	.08	.42	T.			.04						2.52
Parkersburg***	....do	.34						.01	.07	.02				.05	T.		.69	.33		.18	.39	.16	.32	T.			.15			T.			2.71
Parsons	Monongahela							T.	1.50		.37				.08			1.20				2.00	.32	.08	.08								5.63
Parsons No. 2	....do	.41					T.	.04	.34	.42	.01			.19	.18	T.	.10	.73			1.62	.04	.74	.35	.02		.02	T.					5.21
Philippi	....do	.52	T.					T.	.03	1.02	1.10				.17			.98			.48	.75	.60	1.15	.05		T.	T.					6.85
Pickens	....do	.08	.05		T.				.32	.20	.15			.36	.24		.55	.95		.16	1.61	.31	.15	.16	.16		.08	.08					5.61
Reedsville	....do	T.						.10	.33	.36				.15	.20		T.	.85		.20	1.28	.12	.64	.05						T.			4.28
Roanoke	....do	.36					T.	.09	.52	.65	T.			.08	.01		.23	.67		.30	1.07	.15	.97		T.		T.	T.					5.10
Saint Marys||||	Ohio	.76					.03		T.	.22					.05			1.50			.57	.17	.42	.11	T.	T.							3.83
Terra Alta	Monongahela																																....
Thomas ||||	....do	.49	.04					.02		.73	.06				.36	.05		1.15	T.		.91	.76	.29	.80	.12		T.	T.					5.78
Valley Chapel	....do	.37					.01	.09	.11	.54				.10			.15	.72		.12	1.00	.20	.97				.08						4.46
Vandalia	....do	.42							.62	.54				.12			.26	.66		.26	1.06	.29	.60									1.02	5.85
Wellsburg	Ohio	.68							.20	.09				.05	.04		T.	.64		.25	.28	.65	.30				T.						3.18
West Milford	Monongahela	.78							.05	.40	.48			.15				.98		.40		.85											4.09
Weston	....do	.53					.02	.08	.19	1.12	.04	T.			.12	.06		.89			.67	.94	.53	.46				.12					5.77
Wheeling(Dam 12)||||	Ohio	.72			T.			.05	.07	.18	.01				.06	.04		.57			.46	.31	.25				.02	.01					2.75
Woodlands||||	....do	.98					T.	T	.02	.10	.09				.10	.03		.70			.48	.38	.36					.03					3.27
Southern Division																																	
Arbovale	Great Kanawha	.30					.08	T.	T.	.43				.14	.05		.42	.10		.50	.40	.05	1.18	.50	T.								4.15
Bancroft ||||	....do	.43					T.	.07	.18	.82					.12			1.65		.26	.60	1.60		.42									6.15
Beckley	....do	.29					.06	.04	.15	1.10	.06			.08	T.	T.	1.10	.25		.52	.10	.13	.35	.14	.10		.01			T			4.48
Bluefield	....do	.36						.04		1.17					.02		1.15	.03				.66	1.37	.75									5.55
Camden-on-Gauley	Gauley	.48	.04					.01		.61	.04				.25			1.98	.02		.68	.40	.58	.70	.10				.04				5.93
Charleston	Great Kanawha							.01	.05	.63	.01	.01		.05	.07		1.89			.15	.65	.35	.40	.67									4.94
Clay||||	....do	.40	.01				.02	.06	.03	.67	.02	.01			.10			1.96			.62	.31	.55	.39	.02			.09					5.26
Dam 3 G. K. ||||	....do	.35						.05	.01	.70	.01	.03			.09			1.58	.02		.32	.47	.43	.40	.01			.02					4.49
Dam 6 G. K. ||||	....do	.27						.06		.73					.10			1.94			.60	.78	.38	.26									5.12
Dam 19 O. R. ||||	Ohio	.67					.01	.04		.15					.05	T.		1.10			.38	.23	.33	.03			.01	.06					3.06
Dam 20 O. R. ||||	....do	.65					T.	T.	.04	.17	T.				.05			.72			.45	.35	.35	.15		T.	T.	.10					3.03
Dam 25 O. R. ||||	....do	.47					.03	.05		.28	.02				T.			.58			.40	.39	.56	.08				.08					2.94
Dam 26 O. R. ||||	....do	.38	.03					.05		.36	.04				.03			1.17			1.00	.85	.62	.08				.03					4.64
Gary ||||	Big Sandy	.46						.02	.02	1.38	.04				.03		.10	1.36			.35		.55	.87	.21			.08					5.47
Hinton||||	....do	.33					T.	.03	.01	.92					.01			1.35	.01	T.	.55	.02	.38	1.30	.41	T.	T.	.02					5.34
Huntington	Ohio	.23					.03	.05	.18	.14	.01			.05	T.		1.15	.52		.35	1.13	.21	.85	T.			.02						4.92
Kanawha Falls||||	Great Kanawha	.44					T.	.07	.07	.57	T.				.07			1.38	.12		.33	.37	.62	.20				.30					4.54
Kayford||||	....do	.26	.03					.04	.01	.31	.02				.04			1.01		.10	.20	.10	.62	.37	.33	.05							3.49
Kingston	....do								1.30		.01				T.		1.30			.20	.21	.22	.25	.26			.08						3.83
Lewisburg	.. do																																....
Logan||||	Guyandotte	.20						.05		.80	T.				.10		.03	1.20	T.	.05	.40	.30	.71	.15	T.								3.99
Madison	Great Kanawha						.21		.90	.01						.02		.80	.50	.42	.30	.69	.22										4.07
Marlinton	....do							T.	1.02	.07	T.					.08				.20	.25			.20									1.82
Point Pleasant||||	Ohio	.40					T.	.04		.36					.04			.82			.60	.30	.62	.24		.16	T.	.10					3.68
Rainelle	Meadow Creek	.38	T.				.02	T.	T.	.77	.02			.09	.07	.10	1.08	.61	.01	.52	.37	.04	.94	.52	.05			.04		T.			5.63
Ravenswood(Dam 22	Ohio||||	.57						.05	.05	.35					.05			.56			.42	.45	.51	.15				.12					3.28
Richwood	Great Kanawha	.32								.28		.20		.14	.15		.35	1.45		.21	.60	.30	.80	.78	.60	.02	.02			.03			6.25
Robertsburg||||	....do	.32					T.	.12	.10	.38	.02				.06			1.38		.07	.65	.67	.15	.14	T.			T.					4.06
Ryan	....do	.33					.03	.17	.29	.42	.02			.12			.44	.67		.29	.99	.39	.81				.06	.02					5.05
Sharples||||	Coal River						T.	T.	T.	1.10												.65	.40										2.15
Spencer ||||	Great Kanawha						T.	.10	T.	.64	.02				.10	T.		.92			.75	.70	.24	.32			T.			.42			4.21
Summersville	....do	.40						.03	.02	.72	.01	.03			.19			1.88			.53	.33	.64	.67	.02			.04					5.51
Sutton	Gauley	.45					.10	.10	.55	.30				.10	.10		.20	.90		.75	.80	.35	.45	.50	.16		.08						5.89
Thornwood	Great Kanawha								.30								1.40			.90	.40	.20	1.20										4.40
Union	Gauley	.45						T.		.77							.70	.16		T.		.90	.90	1.05									4.93
Wayne||||	Big Sandy	.42						.11		.15					.01		.03	1.85		.85	.56	.76	.14					.02					4.90
White Sulpr. Spgs.||||	Great Kanawha						.15		.70								1.05			.20	.05	.40	2.15	.32									5.02
Williamson||||	Big Sandy	.28						.06		.80	T.				.04		.17	1.45		.02	.26	.13	.72	.16	.02			.03					4.14

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	40	35	50	45	55	53	58	62	61	55	46	35	43	45	36	30	51	40	29	38	50	49	30	15	26	25	21	38	32	30	30	40.4
	Minimum	25	10	31	-8	4	23	26	28	41	42	25	23	22	18	15	22	22	21	20	25	33	21	15	-8	-5	18	2	10	22	0	0	17.5
Brandywine	Maximum	42	42	58	50	42	57	56	62	60	64	54	45	44	45	38	40	45	45	38	40	62	56	25	20	20	32	24	28	32	32	30	42.8
	Minimum	28	10	21	18	14	26	30	32	40	45	36	20	25	24	10	24	27	26	25	25	32	25	20	-3	-18	14	11	-16	18	-1	-2	18.9
Kearneysville	Maximum	38	41	52	52	39	41	46	54	50	60	56	41	41	42	39	40	52	46	32	35	45	39	27	23	12	30	28	15	33	27	25	38.7
	Minimum	20	17	30	18	17	23	33	36	39	43	36	28	34	28	20	31	24	30	24	23	31	26	22	2	-4	10	10	-18	14	7	4	21.2
Martinsburg*	Maximum	45	46	62	41	41	42	50	52	52	50	45	50	45	40	40	32	52	45	38	35	45	35	34	27	24	35	27	20	35	24	....	40.3
	Minimum	20	20	25	19	15	16	20	35	39	42	29	29	30	30	22	22	25	31	25	24	30	32	25	4	0	0	12	-10	7	12	9	20.6
McNeill	Maximum	42	49	67	57	53	45	63	55	61	60	55	45	42	57	50	41	53	47	36	37	53	43	27	25	28	35	31	27	35	33	32	44.6
	Minimum	31	11	25	16	6	22	26	30	41	45	35	23	21	28	10	29	27	30	26	26	31	26	25	-2	-23	9	13	-21	12	4	-5	18.6
Piedmont	Maximum	39	39	54	32	35	42	50	50	51	55	46	38	45	30	39	29	51	33	29	41	41	38	29	25	23	29	21	21	32	26	26	36.7
	Minimum	22	17	32	14	12	23	38	36	43	46	32	29	30	26	20	26	25	29	24	30	38	22	25	0	0	21	10	-6	18	8	11	22.6
Romney	Maximum	37	43	61	56	40	39	50	50	54	56	56	43	36	36	42	42	49	49	35	35	39	39	27	25	24	32	32	23	32	32	27	40.1
	Minimum	31	19	24	16	10	20	23	31	41	45	34	29	27	28	19	28	26	31	25	25	32	25	24	1	-13	11	12	-14	15	0	1	20.2
Upper Tract	Maximum	43	46	..	36	46	..	63	64	59	56	53	..	46	50	41	39	47	45	38	..	..	..	35	24	25	30	29	29	32	31	25	41.3
	Minimum	28	18	..	15	13	..	35	38	46	46	35	..	27	25	13	28	25	32	26	..	..	26	23	-3	-12	20	12	-11	16	3	1	20.2
Wardensville	Maximum	41	48	62	48	46	54	59	61	59	58	55	43	52	42	48	37	55	39	36	37	64	57	33	25	29	31	26	31	33	9	26	43.4
	Minimum	17	19	20	15	10	19	27	33	39	44	36	29	25	29	13	21	25	26	21	24	25	33	24	1	-17	13	11	-18	10	-1	-2	18.4
Northern Division																																	
Alpena	Maximum	40	35	47	43	47	48	60	59	63	56	45	35	49	49	34	37	49	38	32	38	62	49	28	17	23	22	22	38	31	27	37	40.6
	Minimum	23	10	32	9	12	32	35	38	47	43	26	23	27	16	17	27	29	23	23	25	36	25	15	-10	-15	18	3	-3	21	5	0	19.7
Bens Run	Maximum	36	37	46	47	41	49	51	57	58	57	47	43	48	49	39	39	43	43	35	47	65	43	28	24	21	25	25	33	34	30	33	41.2
	Minimum	22	19	36	16	17	36	37	37	49	45	32	26	32	26	22	28	35	30	30	34	42	23	19	5	3	24	1	1	29	10	12	25.1
Buckhannon	Maximum	46	39	53	50	57	56	57	58	66	66	50	40	50	49	38	41	58	39	41	54	71	55	27	25	26	31	30	35	37	37	35	45.7
	Minimum	37	16	28	13	14	34	35	34	50	45	33	23	30	25	16	29	36	28	28	34	47	23	20	-9	-8	23	8	-7	29	9	6	23.5
Cairo	Maximum	45	40	51	53	46	59	57	61	66	69	53	46	47	49	35	40	58	51	37	50	52	46	69	34	20	29	41	41	40	34	32	46.8
	Minimum	34	12	29	11	11	27	35	32	47	50	27	21	27	25	16	30	34	25	30	35	42	24	16	-6	-11	14	5	-10	22	10	4	21.5
Clarksburg *	Maximum	39	40	52	40	58	57	55	57	68	53	53	42	49	28	38	57	56	55	48	58	71	59	27	23	28	30	25	38	33	31	36	45.2
	Minimum	20	15	17	15	10	11	32	34	35	51	30	20	22	27	14	21	28	28	29	32	41	24	21	-9	-10	-2	10	-8	-1	9	6	18.5
Creston	Maximum	44	40	55	43	59	56	63	68	67	54	48	45	50	48	41	38	59	45	37	51	70	45	24	22	34	30	28	38	35	31	36	45.3
	Minimum	25	14	27	13	12	27	34	33	45	47	28	20	27	25	18	31	35	26	30	35	44	22	17	-5	-7	24	11	-7	25	13	5	22.4
Elkins	Maximum	45	40	52	36	55	54	59	62	65	53	44	39	49	36	38	41	57	37	38	47	69	35	30	8	28	26	18	41	35	28	37	42.0
	Minimum	15	15	27	14	19	37	33	33	49	44	30	27	30	21	15	31	36	27	28	37	35	24	7	-4	-9	18	-5	-10	21	8	7	21.3
Fairmont	Maximum	42	45	56	38	64	56	55	59	77	53	52	47	48	40	39	55	55	55	45	57	72	57	30	20	25	31	26	40	31	35	44	46.7
	Minimum	30	12	13	14	15	17	37	38	52	52	30	25	25	26	18	23	25	28	27	32	45	23	20	1	-4	2	9	-2	0	8	10	21.0
Glenville	Maximum	47	44	55	51	60	57	60	59	70	65	50	47	51	50	40	41	60	62	49	53	52	51	44	23	29	31	31	42	40	34	43	48.1
	Minimum	34	18	32	15	13	28	35	36	43	50	30	22	29	26	18	28	36	38	29	35	33	25	18	-8	-8	21	12	-5	23	14	8	23.5
Grafton	Maximum	44	41	54	46	63	57	57	63	72	65	49	42	53	49	37	40	50	47	40	48	74	54	28	22	25	29	28	34	34	31	39	45.6
	Minimum	25	17	35	15	16	32	36	36	50	52	32	24	31	27	17	28	28	29	29	33	47	24	21	-5	6	23	10	-3	29	8	12	24.6
Hastings	Maximum	45	40	51	40	56	53	57	60	69	68	58	40	49	40	39	38	59	42	36	53	71	51	33	22	26	35	33	33	37	33	37	45.3
	Minimum	33	19	40	18	16	31	35	38	50	58	32	26	34	28	20	29	38	31	32	36	51	33	22	0	-3	26	13	-2	33	10	12	27.1
Lost Creek	Maximum	44	41	50	45	60	60	58	57	69	63	48	42	49	46	38	37	56	47	34	52	64	52	30	22	28	29	28	39	38	30	40	45.0
	Minimum	30	14	32	11	10	26	29	30	46	47	27	19	26	22	13	26	34	22	27	32	45	21	19	-16	-15	21	8	-13	26	8	1	20.3
Mannington	Maximum	43	38	50	46	54	50	54	57	67	61	48	39	47	48	37	37	56	45	35	50	69	52	26	22	23	30	26	33	35	29	34	43.3
	Minimum	25	16	35	12	11	25	30	31	46	47	27	21	28	25	16	25	34	28	28	34	47	22	19	-8	-11	22	5	-8	29	3	5	21.6
Morgantown	Maximum	42	36	50	44	50	51	52	65	70	58	46	35	45	44	34	36	40	38	40	50	62	53	25	19	21	29	22	30	30	20	31	40.9
	Minimum	19	14	33	10	16	19	44	42	43	41	33	25	25	22	18	20	27	26	25	24	36	22	17	-4	-2	10	-2	-3	4	4	11	20.1
New Cumberland*	Maximum	35	42	49	40	54	56	55	55	64	48	46	36	46	28	37	56	52	52	43	50	67	44	23	16	25	28	25	33	30	25	32	41.7
	Minimum	20	14	20	12	12	16	34	31	38	42	30	22	23	24	18	18	18	27	25	29	37	21	15	4	4	9	3	2	9	5	6	19.1
New Martinsville	Maximum	41	42	50	45	59	58	55	57	67	62	47	42	49	49	36	38	57	47	36	49	68	48	27	22	27	31	36	39	38	31	36	44.8
	Minimum	24	17	35	14	14	34	33	35	47	46	29	23	32	26	22	25	34	28	29	35	45	22	19	-2	-1	24	8	-2	29	8	12	24.0
Parkersburg	Maximum	44	43	51	31	56	57	61	67	65	56	43	40	50	36	41	47	59	36	44	52	68	27	25	17	28	30	21	37	37	26	36	42.9
	Minimum	19	19	23	15	19	44	42	40	51	41	32	28	36	26	22	29	36	27	30	44	27	20	9	0	-2	21	2	-4	25	11	12	24.0
Parsons	Maximum	46	40	55	37	55	55	52	64	67	60	49	42	48	45	39	40	55	44	38	46	72	49	40	20	30	29	23	41	38	35	30	44.6
	Minimum	17	15	35	14	14	40	31	45	48	45	32	29	31	22	14	30	34	28	30	36	41	25	15	4	-8	22	1	-8	25	9	11	23.5
Pickens	Maximum	44	37	48	38	57	58	55	65	65	58	43	39	50	44	35	38	51	40	37	53	64	46	56	24	25	25	22	38	32	32	44	44.0
	Minimum	14	9	29	8	20	41	40	41	48	41	26	19	35	11	11	30	33	23	26	32	45	26	13	-10	-11	18	-4	-6	20	8	6	20.7
Reedsville	Maximum	42	36	48	44	57	54	56	63	68	60	44	36	47	46	38	37	53	42	28	51	69	52	42	38	20	25	21	33	31	26	34	43.3
	Minimum	22	12	31	9	9	26	29	29	46	43	27	19	21	21	3	28	30	25	24	26	44	20	18	-20	-21	19	2	-20	24	-5	2	17.5
Wellsburg	Maximum	42	40	47	43	54	56	56	56	64	61	45	40	47	47	37	36	56	40	35	46	68	48	26	20	23	26	27	30	35	31	32	42.4
	Minimum	23	14	36	10	9	27	32	53	45	45	25	20	29	25	13	19	31	28	24	34	41	22	11	3	-2	22	0	-2	28	2	14	22.0
Weston	Maximum	46	42	56	52	64	60	58	60	71	68	58	48	51	47	39	38	54	50	40	55	72	70	35	30	28	32	30	40	38	32	40	48.5
	Minimum	32	16	25	15	11	35	33	34	55	50	40	42	31	22	19	30	32	26	30	35	50	24	20	-10	-9	20	10	-8	22	10	9	24.2
Wheeling(Dam 12)	Maximum	38	41	45	30	54	57	56	63	62	52	43	39	47	31	38	57	57	32	45	59	68	30	26	15	30	28	20	33	32	26	34	41.5
	Minimum	21	16	15	13	13	17	34	34	39	31	26	26	25	24	20	20	22	28	27	30	23	19	4	3	4	7	6	-2	7	7	7	18.3
Southern Division																																	
Beckley	Maximum	43	40	49	43	52	51	62	59	64	57	48	43	51	46	38	36	55	43	36	52	67	48	47	20	25	27	26	36	30	32	39	44.0
	Minimum	24	11	28	14	20	33	41	45	48	45	31	21	31	19	13	29	33	28	25	26	40	23	14	-6	-7	17	9	-4	22	17	8	22.5
Bluefield	Maximum	45	41	50	46	49	..	62	59	67	57	51	44	..	55	42	37	55	49	42	..	62	55	33	18	28	28	..	38	37	..	41	45.8
	Minimum	32	16	30	18	23	..	41	50	51	48	36	25	..	24	18	32	36	32	28	..	28	32	17	-2	0	22	..	4	27	..	16	26.3
Charleston	Maximum	48	44	44	50	35	60	64	64	71	72	56	53	56	52	32	41	59	58	45	48	51	73	28	27	16	32	34	32	40	37	32	46.9
	Minimum	39	21	28	21	21	25	46	46	48	50	37	30	30	31	24	28	37	34	34	35	35	25	24	8	7	12	18	7	7	21	17	27.3
Gary *	Maximum	39	46	52	..	..	58	69	67	63	56	51	46	57	35	42	58	58	58	41	65	69	54	45	35	30	32	26	40	32	36	45	48.6
	Minimum	37	16	16	19	..	..	20	39	44	50	42	24	24	31	18	22	33	33	35	36	44	45	33	-1	1	9	21	4	5	26	18	25.7
Hinton *	Maximum	42	47	58	44	52	52	62	64	67	59	46	49	51	32	42	38	58	46	37	44	63	38	35	35	30	34	28	37	34	38	42	45.3
	Minimum	33	20	20	21	19	19	36	44	48	51	42	27	27	31	19	21	34	35	35	31	34	35	35	4	4	21	21	8	20	24	17	27.0
Huntington	Maximum	44	47	55	47	64	59	64	70	60	56	49	45	52	51	42	41	61	46	41	50	70	40	29	22	30	32	32	39	37	34	41	46.8
	Minimum	28	21	35	18	17	40	42	40	49	49	34	27	33	27	23	36	40	32	35	40	40	20	20	4	5	19	18	5	29	18	17	27.8
Madison	Maximum	40	44	56	35	56	57	70	71	64	57	45	48	55	40	41	62	59	46	52	61	70	28	29	16	32	33	26	39	36	38	44	46.7
	Minimum	11	16	18	17	30	39	39	48	50	36	24	24	29	26	25	34	30	31	34	48	24	22	5	6	14	12	5	9	21	21	17	24.8
Marlinton	Maximum	36	40	40	46	42	44	46	54	56	50	46	48	50	46	50	48	40	38	38	30	34	38	34	18	16	18	24	18	24	30	34	37.9
	Minimum	18	18	16	20	20	22	28	38	40	38	28	32	32	24	28	32	22	20	22	18	22	30	14	2	0	0	6	-2	4	10	18	20.0
Point Pleasant	Maximum	37	45	51	49	60	68	66	63	61	57	51	45	51	49	43	41	51	49	38	53	51	41	27	27	26	33	31	38	36	33	39	45.5
	Minimum	30	17	33	15	15	34	38	39	47	50	31	23	33	26	21	32	36	30	32	35	40	20	19	2	0	25	15	-2	27	14	11	25.4
Rainelle	Maximum	40	40	50	39	44	48	54	55	63	58	58	46	46	45	38	35	50	44	37	39	62	50	36	19	26	27	26	32	29	31	37	42.1
	Minimum	27	12	19	17	16	32	40	36	36	46	31	21	30	20	12	34	32	23	25	23	32	26	17	-3	-6	12	12	-7	13	17	6	21.0
Ravenswood	Maximum	49	44	52	55	58	58	64	69	74	64	54	46	52	50	47	43	53	55	47	51	69	61	43	31	27	30	34	38	40	38	38	49.5
	Minimum	25	21	29	15	16	42	38	36	45	44	28	22	34	26	21	33	40	28	33	36	45	21	19	-7	-6	24	13	-7	25	13	6	24.5
Richwood	Maximum	33	31	46	45	57	50	59	59	71	61	48	44	49	47	40	38	52	44	38	55	67	53	39	20	25	24	26	38	39	29	35	43.9
	Minimum	28	13	21	17	19	37	47	48	52	47	32	26	34	19	15	32	35	28	28	30	42	28	19	-1	-2	19	4	1	13	19	10	24.5
Robertsburg*	Maximum	40	45	55	40	61	58	65	69	69	54	52	44	52	39	41	61	55	54	46	57	68	57	22	22	29	32	29	40	35	32	37	47.1
	Minimum	29	18	19	17	15	17	36	38	44	45	31	24	25	28	22	27	35	30	30	33	46	21	21	-3	-2	10	15	-3	-1	16	9	22.3
Ryan	Maximum	37	40	50	40	55	50	55	65	65	51	43	40	45	44	36	36	60	38	33	43	65	38	26	15	24	27	24	35	29	35	40	41.4
	Minimum	23	10	19	9	10	28	31	30	41	43	24	17	25	21	15	30	33	23	27	32	38	17	10	-12	-12	12	6	-10	17	10	3	18.4
Spencer *	Maximum	39	43	47	35	59	56	62	70	68	54	55	46	50	48	40	60	59	42	45	62	70	51	27	15	29	30	23	38	35	31	39	46.1
	Minimum	30	18	28	16	15	40	46	21	52	49	31	23	31	28	21	26	42	30	29	35	51	21	19	-4	-6	23	14	-3	29	27	9	25.6
Sutton	Maximum	37	44	55	55	60	60	57	57	67	67	53	45	50	50	40	40	50	50	40	51	55	55	34	26	31	31	30	41	41	33	41	46.6
	Minimum	34	16	23	16	13	35	35	33	50	49	34	23	30	26	19	25	34	29	32	35	46	24	24	-4	-3	27	13	-4	24	14	8	24.5
Union	Maximum	34	40	48	48	46	..	59	59	61	61	55	43	..	27	39	39	51	51	42	..	65	65	36	24	23	31	..	29	30	31	34	43.4
	Minimum	31	17	25	16	16	..	34	45	51	50	36	25	..	26	18	33	33	32	28	..	28	34	23	-3	-3	20	..	-2	14	20	10	24.3
White Sulphur Spgs.	Maximum	40	35	49	42	48	51	54	53	62	58	49	43	49	34	38	39	49	45	39	48	56	42	36	16	23	32	29	37	31	30	31	41.5
	Minimum	18	14	12	13	20	40	43	45	42	40	19	24	21	12	16	33	26	29	26	29	34	32	-5	-6	1	19	-5	2	10	9	13	20.2
Williamson*	Maximum	42	46	56	38	59	49	51	59	59	56	52	47	54	47	54	61	60	59	49	64	64	64	29	27	32	34	31	39	37	36	42	48.3
	Minimum	41	20	21	23	23	30	44	43	47	51	40	29	30	33	23	29	34	36	36	40	46	29	26	10	10	14	21	12	15	28	21	29.2

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 2-25-35—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., FEBRUARY, 1935 No. 2

GENERAL SUMMARY

Mild, dry weather prevailed during most of the month. The monthly mean temperature, 34.9°, averaged nearly 2.0° above the normal, while the precipitation was slightly less than 1.00 inch below the normal. The deficiency in precipitation was general throughout the State, as only three stations in the northern Ohio River counties received more than the average. Warm weather prevailed during the second and third decades, the highest temperatures occurred generally on the 15th, 22d, and 25th. Zero temperatures were noted in some of the northern and mountain districts on the 1st and 17th. While the snowfall was much lighter than usual, heavy amounts were reported from scattered localities. The weather was generally favorably for farming activities and considerable plowing was done. The few days of cold weather during the last week retarded the development of fruit buds. Hail was reported from scattered districts on the 14th, 15th, and 23d.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 34.9°, or 1.7° above the normal. The month opened cold, and the temperature was below the normal from the 20th to the 22d, and from the 26th to the 28th, with the lowest readings on the 1st and 26th. The temperature was nearly continuously above the normal during the second decade, and on the 24th and 25th, the highest temperature occurred generally on the 15th, 22d, and 25th. The highest monthly mean temperature was 40.3° at Charleston, and the lowest, 29.0° at Marlinton. The highest temperature was 70° at Hinton on the 22d, and the lowest, 9° below zero at Wardensville on the 1st, making the monthly range for the State 79°. The greatest daily range was 61° at Brownsville on the 25th.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 2.33 inches, which was 0.79 inch less than the normal. Most of the precipitation was received on the 9-10th, 14-17th, and 23d, the greatest amounts being measured on the 26-27th. Snow fell in many localities on the 3d-4th, 11th, 20th-22d, and 26-27th, being moderately heavy at a few stations on those dates. The greatest monthly precipitation was 4.25 inches at Pickens, and the least, 1.20 inches at Marlinton. The greatest amount in any 24 consecutive hours was 1.90 inches at Wheeling on the 22-23d. The snowfall averaged 5.3 inches, which was 3.2 inches less than the normal. The greatest monthly snowfall was 20.5 inches at Davis. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA

Fogs, dense: Alpena, 10th; Arbovale, 14th; Beckley, 6th and 9th; Brownsville, 9th; Charleston, 1st, 9th, and 11th; Crawford, 10th and 14th; Creston, 9th and 16th; Hinton, 9th, 12th, 13th, and 16th; Marlinton, 10th and 14th; Pickens, 3d, 4th, 6th, 9th, 10th, and 16th; Reedsville, 3d and 17th; Spencer, 10th; Stony River Dam, 3d and 17th; Wellsburg, 13th; Williamson, 12th.

Sleet: Beckley, 26th; Grafton, 3d; Horton, 26th; Reedsville, 3d and 17th; Richwood, 4th, 17th, and 23d; Williamson, 26th.

Sleet, heavy: Stony River Dam, 4th, 17th, and 23d.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.10	30.63	1	29.64	15	9.4	27	w.	18	82	66	72	35
Columbus, Ohio	30.08	30.60	1	29.64	15	10.7	38	sw.	15	79	72	74	23
Elkins	30.12	30.61	1	29.64	3	7.5	28	w.	15	85	76	75	29
Parkersburg	30.12	30.62	1	29.68	3	7.4	28	w.	19	82	65	74	32
Pittsburgh, Pa	30.07	30.62	1	29.60	3	11.2	36	w.	19	78	69	74	29
Wytheville, Va	30.08	30.65	1	29.54	3	8.9	27	w.	15	80	60	68	42

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	38.1	+4.9	......	......	5.39	+2.27	......	......	......	....	....	....	....
1892	37.1	+3.9	72	−12	2.30	−0.82	......	......	......	9	....	....	....
1893	35.0	+1.8	71	− 6	4.81	+1.69	6.70	1.65	......	12	....	....	....
1894	33.4	+0.2	74	− 5	3.99	+0.87	7.48	2.05	......	10	9	7	12
1895	**22.8**	−10.4	79	−17	1.27	−1.85	2.44	0.61	......	7	10	9	9
1896	33.4	+0.2	62	− 5	3.31	+0.19	6.23	1.50	......	17	7	8	14
1897	36.8	+3.6	70	3	5.95	+2.83	8.18	3.00	......	11	7	7	14
1898	32.7	−0.5	74	−13	1.81	−1.31	3.38	0.64	......	9	10	8	10
1899	26.1	−7.1	69	**−35**	4.32	+1.20	6.43	2.25	19.0	14	7	5	16
1900	30.7	−2.5	83	−11	3.94	+0.82	5.62	2.31	10.1	12	5	10	13
1901	27.1	−6.1	62	− 6	**0.86**	−2.26	1.66	**0.10**	4.1	7	8	8	12
1902	26.7	−6.5	68	−14	3.20	+0.08	5.65	1.33	8.1	10	6	7	15
1903	35.3	+2.1	74	−19	**5.99**	+2.87	**9.59**	2.58	9.0	11	10	6	12
1904	29.3	−3.9	80	−13	2.37	−0.75	4.55	0.52	8.1	10	8	9	12
1905	25.6	−7.6	56	−22	2.34	−0.78	4.65	0.80	8.1	11	8	6	14
1906	32.4	−0.8	79	−11	1.60	−1.52	3.34	0.46	8.1	7	15	6	7
1907	31.1	−2.1	76	−15	2.55	−0.57	4.83	0.67	5.6	14	6	7	18
1908	30.9	−2.3	72	−10	3.72	+0.60	6.26	1.77	15.8	12	7	8	14
1909	40.4	+7.2	80	− 5	4.16	+1.04	7.68	1.44	3.4	13	7	8	13
1910	31.5	−1.7	72	−11	3.18	+0.06	6.56	0.98	13.5	8	9	8	11
1911	38.7	+5.5	76	− 6	2.03	−1.09	3.92	0.40	4.8	7	8	8	12
1912	27.3	−5.9	70	−17	2.45	−0.67	5.08	0.72	6.4	7	10	8	11
1913	32.6	−0.6	80	− 4	2.27	−0.85	6.15	0.21	4.7	7	13	6	9
1914	28.4	−4.8	70	−22	3.64	+0.52	6.96	1.63	19.7	10	9	7	12
1915	38.4	+5.2	72	− 2	3.07	−0.05	6.33	0.90	3.6	10	10	5	13
1916	31.4	−1.8	72	−12	4.30	+1.18	9.19	1.79	13.2	11	8	6	15
1917	31.0	−2.2	80	−14	3.29	+0.17	7.73	1.26	10.1	9	9	7	12
1918	35.4	+2.2	81	−19	3.12	0.00	6.60	0.45	3.8	9	11	6	11
1919	35.2	+2.0	72	− 2	1.85	−1.27	3.93	0.35	3.5	9	11	5	12
1920	31.3	−1.9	69	− 4	2.71	−0.41	5.49	1.49	9.3	12	7	5	17
1921	37.4	+4.2	79	−10	2.61	−0.51	4.90	1.10	10.8	9	8	5	15
1922	38.2	+5.0	77	−14	2.89	−0.23	5.57	0.94	6.3	11	8	7	13
1923	30.4	−2.8	70	−20	3.68	+0.56	7.38	0.75	7.8	12	7	5	16
1924	31.6	−1.6	74	−16	3.21	+0.09	8.18	0.84	12.2	11	8	6	15
1925	39.8	+6.6	80	− 5	2.49	−0.63	4.32	0.35	2.0	8	10	6	12
1926	34.9	+1.7	72	− 3	4.01	+0.89	8.88	1.20	18.1	13	6	5	17
1927	40.9	+7.7	79	6	4.49	+1.37	8.64	2.40	11.0	15	7	6	15
1928	34.6	+1.4	72	− 3	2.50	−0.62	6.06	0.40	6.4	11	8	6	15
1929	30.0	−3.2	70	−15	2.98	−0.14	5.24	1.43	14.6	9	9	6	13
1930	39.8	+6.6	81	−21	2.62	−0.50	5.21	0.95	3.9	10	11	5	12
1931	35.8	+2.6	68	5	2.57	−0.55	4.68	1.08	1.6	9	10	5	13
1932	**41.6**	+8.4	**86**	7	3.22	+0.10	7.35	0.79	0.2	9	11	8	10
1933	34.5	+1.3	77	−12	3.13	+0.01	7.87	0.96	5.8	11	12	5	11
1934	24.0	−9.2	65	−26	1.86	−1.26	4.25	0.75	17.6	9	10	5	13
1935	34.9	+1.7	70	− 9	2.33	−0.79	4.25	1.37	5.3	10	6	6	16
Period	33.2	......	86	−35	3.12	....	9.59	0.10	8.5	10	9	6	13

Climatological Data for February, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	30.2	+0.6	65	25	−3	6	46	2.30	−1.46	0.50	7.0	12	9	6	13	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	33.6	−1.1	64	15†	8	27	39	1.62	−0.18	0.40	2.0	6	16	0	12	s.	Elmer Keister
Circleville	Pendleton	...	3	...	...	...	...	...	...	...	2.12	...	0.37	3.0	13	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	5	32.9	...	65	25	−7	1	45	1.83	...	0.39	4.5	9	13	6	9	n.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	[a]32.8	+1.4	66[a]	25	−3	7	51[a]	1.57	−0.92	0.48	5.0	10	16	10	2	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	33.7	−0.6	69	25	−6	1	49	1.50	−0.77	0.45	...	5	1	6	21	w.	John W. McNeill
Piedmont	Mineral	1,053	22	31.0	−2.8	61	25	3	1	36	1.37	−1.03	0.63	2.0	6	3	11	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	33.6	−0.6	62	15†	−6	1	41	1.71	−0.33	0.41	0.4	8	5	10	13	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	...	...	...	...	...	...	...	1.81	−1.04	0.45	14.0	8	2	4	22	w.	A. C. Becker
Upper Tract	Pendleton	1,230	36	[k]33.9	+0.4	63[j]	25	9[k]	7	35[k]	1.63	−0.03	0.60	0.5	4	...	...	...	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	31.6	−2.2	64	25	−9	1	51	1.74	−0.07	0.39	2.6	10	8	4	16	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	...	...	...	...	...	...	...	2.33	−0.77	0.84	2.6	8	3	10	15	w.	L. Else Bond
Alma (near)	Tyler	800	8	...	...	...	...	...	...	...	1.68	...	0.54	4.5	13	5	3	20	...	D. N. Furbee
Alpena	Randolph	2,571	5	30.0	...	63	25	0	27	44	2.86	...	0.45	19.0	14	6	9	13	...	Christian Hertig
Benson	Harrison	1,080	11	[f]34.8	−3.2	65[f]	25	−2	27	46	1.79	−1.92	0.38	2.5	9	5	8	15	...	R. D. Marts
Bens Run	Pleasants	652	33	34.2	+1.4	54	16	10	27	33	1.60	−1.52	0.47	7.9	7	11	7	10	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	36.6	−1.0	75	25	6	27	61	1.95	−1.12	0.65	...	11	3	13	12	...	W. B. Worley
Buckhannon	Upshur	1,411	38	36.4	+3.3	68	25	6	27	43	2.78	−1.12	0.55	2.5	9	5	10	13	...	H. A. Darnall
Cairo	Ritchie	680	34	36.1	+1.9	62	16	5	27	43	1.65	−1.55	0.95	0.3	4	9	1	18	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	33.2	+1.4	65	25	6	27	45	2.16	−0.88	0.63	4.0	11	4	9	15	w.	Clarksburg Water Board
Crawford	Lewis	1,107	12	...	...	...	...	...	...	...	2.40	−0.92	0.72	5.6	12	4	8	16	w.	George W. Blair
Creston	Wirt	640	33	35.2	+0.5	63	25	9	27	40	2.18	−0.91	0.84	2.0	8	5	2	21	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	...	...	...	...	...	...	...	2.74	−0.13	0.83	4.0	12	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	19	...	...	...	...	...	...	...	3.29	+0.91	1.89	6.0	13	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	...	...	...	...	...	...	...	2.57	−0.42	0.69	5.0	11	...	...	...	...	Lockmaster
Davis	Tucker	3,093	26	...	...	...	...	...	...	...	3.58	−0.69	0.45	20.5	17	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	...	...	...	...	...	...	...	2.16	−0.71	0.90	3.0	9	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	34	33.8	+2.2	67	25	3	27	40	2.81	...	0.51	11.2	19	1	7	20	w.	U. S. Weather Bureau
Fairmont	Marion	883	29	34.5	+1.4	70	25	5	27	42	2.19	−0.89	0.62	8.1	10	5	6	17	s.	J. C. Robinson
Glenville	Gilmer	738	41	38.3	+3.7	67	25	11	27	43	2.11	−1.60	0.46	2.4	10	8	5	15	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	35.6	+3.0	68	25	7	27	42	2.30	−0.85	0.92	1.0	6	6	0	22	...	W. E. Clayton
Hastings	Wetzel	...	...	37.8	...	66	25	9	27	39	2.32	...	0.82	1.7	8	5	7	16	w.	L. G. McIntyre
Horner	Lewis	1,044	12	...	...	...	...	...	...	...	2.36	−0.29	0.60	...	8	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	10	...	...	...	...	...	...	...	2.07	−0.96	0.62	5.9	9	5	11	12	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	36.1	−2.0	69	25	3	27	47	2.03	−0.74	0.70	1.2	7	7	3	18	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	34.7	+2.0	65	25	−1	27	41	1.55	−1.56	0.42	4.5	10	5	5	18	w.	Allen Smith
Mannington	Marion	985	32	34.2	+1.4	66	25	0	27	42	2.51	−0.38	0.70	6.9	16	6	5	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	34.1	+1.3	65	25	1	28	44	2.98	−0.02	0.90	4.5	12	8	4	16	sw.	Bruce Davis
New Cumberland	Hancock	671	37	[a]31.4	+2.3	58[a]	25	6	7	36[a]	2.39	−0.05	1.00	10.4	16	4	8	16	nw.	C. H. Hesse
New Martinsville	Wetzel	634	41	36.0	+2.5	62	25	6	27	34	2.58	−0.38	0.72	1.5	6	5	6	17	n.	Wm. Ankrom
Parkersburg	Wood	638	48	35 2	+1.0	63	25	10	27	31	1.68	...	0.49	2.9	11	5	5	18	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	36.0	+4.3	70	25	6	27	46	2.00	−1.52	...	1.0	...	2	9	17	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	...	...	...	...	...	...	...	2.49	−1.03	0.51	3.5	13	10	6	12	...	Robert T. Deem
Philippi	Barbour	1,550	38	...	...	...	...	...	...	...	2.87	−0.48	0.68	4.2	12	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	32	33.6	+0.9	64	25	−1	27†	41	4.25	−1.06	0.73	21.0	16	2	11	15	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	...	30.5	...	66	25	−5	21	47	4.14	...	1.20	17.5	15	9	11	8	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	...	...	...	...	...	...	...	1.95	−1.43	0.62	7.2	9	7	0	21	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	...	...	...	...	...	...	...	2.25	−0.88	0.68	2.5	11	...	...	...	...	Wm. Hughes
Thomas	Tucker	2,950	6	...	...	...	...	...	...	...	2.47	...	0.51	14.7	14	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	12	35.8	−2.7	67	25	3	27	43	2.41	−0.66	0.70	6.0	14	3	10	15	nw.	J. C. Campbell
Vandalia	Lewis	1,120	12	...	...	...	...	...	...	...	2.87	−0.15	0.64	10.0	6	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	28	32.6	+2.6	59	25	1	7	37	2.61	+0.08	0.97	6.0	8	6	4	18	w.	George P. Pfister
West Milford	Harrison	979	10	...	...	...	...	...	...	...	2.30	−0.83	1.80	...	2	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	37.8	+3.9	68	25	10	27	46	2.42	−1.27	0.72	2.0	13	1	10	17	...	A. Henry
Wheeling (Dam 12)	Ohio	659	48	30.6	−1.5	58	15†	5	26†	36	3.44	+0.90	1.90	18.0	14	2	5	21	sw.	Lockmaster
Woodlands	Marshall	637	8	...	...	...	...	...	...	...	2.94	...	1.34	13.8	13	3	1	24	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	...	...	...	...	...	...	...	2.09	...	0.56	4.0	11	7	6	15	w.	H. S. Sutton
Bancroft	Putnam	574	31	39.0	+4.1	65	25	12	28	38	2.17	−0.82	0.93	1.5	6	4	3	21	w.	Charles N. Long
Beckley	Raleigh	2,440	32	35.2	+0.3	64	25	4	27	46	2.98	−0.06	0.88	4.1	13	3	14	11	...	L. A. Mauck
Bluefield [d]	Mercer	2,558	40	38.1	+5.3	63	22	9	27	42	3.08	−0.08	1.04	1.7	9	9	4	11	...	Norfolk & Western Ry.
Charleston	Kanawha	600	32	40.3	+1.1	68	25	15	27	42	2.76	−0.75	0.85	1.0	9	3	2	23	...	S. E. Damron
Clay	Clay	706	19	...	...	...	...	...	...	...	2.03	−1.35	0.50	...	6	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	8	...	...	...	...	...	...	...	2.10	−0.78	0.58	...	6	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	19	...	...	...	...	...	...	...	1.62	−1.01	0.47	...	9	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	19	...	...	...	...	...	...	...	1.66	−1.25	0.49	...	8	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	8	...	...	...	...	...	...	...	2.04	...	0.58	...	10	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	19	...	...	...	...	...	...	...	1.79	−0.84	0.45	...	9	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	19	37.4	−0.5	65	22†	10	28	46	3.25	−0.05	1.21	1.5	8	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	37.8	+2.3	70	22	13	27†	44	2.41	−0.68	0.76	0.2	10	13	4	11	...	Mrs. M. L. McClung
Huntington	Cabell	538	38	40.1	+5.4	63	15†	14	27	36	2.31	−0.84	0.71	3.0	11	3	9	16	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	...	...	...	...	...	...	...	2.39	−0.25	0.62	1.5	13	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	19	...	...	...	...	...	...	...	2.54	−0.81	0.82	...	13	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	...	...	...	...	...	...	...	2.01	...	1.50	2.0	4	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rose Argabrite
Logan	Logan	700	32	...	...	...	...	...	...	...	2.91	−0.68	0.94	...	10	...	...	...	...	J. R. Wampler
Madison	Boone	675	14	36.4	+2.8	68	22†	6	27	46	1.47	−1.76	0.55	...	9	13	7	8	...	W. E. Holy
Marlinton	Pocahontas	2,131	36	29.0	−2.8	58	25	8	27	36	1.20	−2.30	0.87	0.5	3	1	22	5	nw.	Miss Virginia Crocket
Point Pleasant	Mason	595	42	37.6	+4.2	62	25	12	27	35	2.30	−1.08	0.70	4.0	13	5	8	15	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	33.4	...	69	25	1	28	47	3.06	...	0.72	6.5	16	4	7	17	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	38.8	0.0	62	15†	12	27	37	1.98	−0.74	0.65	...	7	8	2	18	ne.	Lockmaster
Richwood	Nicholas	2,193	5	34.1	...	61	22	4	28	46	2.92	...	0.86	9.2	12	5	9	14	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	35.8	+1.7	64	25	13	1†	40	2.18	−0.83	0.68	1.0	12	6	0	22	...	M. Frazier
Ryan	Roane	700	32	33.0	−1.3	62	26	5	28	47	2.28	−1.07	0.95	4.2	13	9	5	14	...	Wm E. Ryan
Sharples	Logan	889	15	...	...	...	...	...	...	...	2.80	−0.28	0.93	...	5	...	...	...	...	R. W. Howard
Spencer	Roane	789	31	35.6	+0.4	64	25	9	27	39	1.92	−1.26	0.52	3.0	9	2	5	21	...	A. M. McKown
Summersville	Nicholas	1,894	2	...	...	...	...	...	...	...	2.87	...	0.75	7.7	13	...	...	...	...	Carl Perry
Sutton	Braxton	850	29	38.4	+2.3	68	25†	6	28	45	2.35	−1 21	0.50	12.0	11	17	0	11	...	C. B. Eakle
Thornwood	Pocahontas	2,723	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Eva R. Smith
Union	Monroe	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. King
Wayne	Wayne	598	8	...	...	...	...	...	...	...	2.66	...	1.01	...	10	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	32.8	−2.7	64	22	7	27	31	2.10	−0.79	0.75	1.5	6	16	2	10	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	39.0	+1.6	66	15	16	27†	42	2.80	−0.45	0.94	0.8	9	5	9	14	se.	J. E. Dotson
State averages and	extremes	...	...	34.9	+1.7	70	22	−9	1	61	2.33	−0.79	1.90	5.3	10	6	6	16	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for February, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac				.08	.28			.03	.08	.40			.25		.08	.08							.50	.26		.08		.18				2.30
Brandywine	....do						T.				.40				.35			.32			T.			.10			.35	.10					1.62
Circleville	....do				.12	.03	.07			T.	.34				.17	.24		.37	.07		.04	.14		.06	T.		.30	.17					2.12
Harpers Ferry ||||	....do																																....
Kearneysville	....do					.12	.18				.34				.39	.05		.27						.11			.33	.04					1.83
Martinsburg ||||	....do					.15	.18			T.	.01			T.	.10	.20		.10			T.	T.		.10	.10		.48	.15					1.57
McNeill	....do				T.	T.	T.	T.	T.	T.	.38			T.	.32	T.	T.	.45	T.	T.	T.		T.	.08			.27						1.50
Piedmont	....do					T.	.23			T.		T.		T.	.63	T.			.26	T.	.06	T.	T.	.13			.06						1.37
Romney||||	....do				T		.07			.01	.39				.35			.41		T.	T.			.08			.35	.05					1.71
Stony River Dam	....do				.16		.24				.08					.45		.32			.16						.24	.16					1.81
Upper Tract	....do											.60			.48			.50									.05						1.63
Wardensville ||||	....do					T.	.10		.10	.02	.30				.08	.27		.39			T.	T.		.17			.25	.06					1.74
Northern Division																																	
Aberdeen	Monongahela ..			T.	T.		.14			.10	.25	T.		T.	.36	T.		.19	T.	T.	T.	T.		.45			.77	.07					2.33
Alma (near)	Ohio			.02			.05			.09	.15			.01	.32		.01	.05					.03	.36		.04	.54	.01					1.68
Alpena	Monongahela ..				.24		.24			.02	.27	T.		.25	.45	.15		.24	.08		.24			.09			.27	.24	.08				2.86
Benson	....do									.20	.28				.38			.12			.05	.20		.38			.13	.05					1.79
Bens Run	Ohio			T.			T.		.05		.20				.47			.16		T.			.17			.10	.45						1.60
Brownsville	Monongahela ..						.04			.05	.22				.37	.02		.18			.02	.01		.36			.65	.03					1.95
Buckhannon	....do			T.	T.		.05		T.	.50	.36	T.		T.	.41		T.	.33		T.	T.	.08		.40			.55	.10					2.78
Cairo	Little Kanawha									.08					.45	.17		T.									.95						1.65
Clarksburg||||	Monongahela ..			T.	.02	T.	.11			.07	.22	T.			.02	.49		.10	T.	T	T.	T.		.44			.63	.03	.03				2.16
Crawford||||	....do			T.			.06			.16	.33			T.	.44	.06	.11	.03			.02	.03		.44			.67	.05					2.40
Creston||||	Little Kanawha						.07				.32					.42		.08				.02		.40			.84	.03	T.				2.18
Dam 10, Mon. R.||||	Monongahela ..	T.	T.	.08	T.	.02	.16			.09	.22				.04	.33	.04	.33				.05	T.	.83				.55					2.74
Dam 13, O. R.||||	Ohio				.03	.03	.11			.10					.06	.51	.03	.05			.06		.05	1.84			.38	.04					3.29
Dam 15, Mon. R.||||	Monongahela ..				.05		.15			.09	.28				.02	.45		.18			T.	.05		.69			.54	.07					2.57
Davis ||||	....do				.10	.21	.11			.20	.31				.20	.25		.45	.24	.10	.20	.21		.12		.35	.23	.19	.11				3.58
Elizabeth (D'm 3 LK)	Little Kanawha						.03			.07	.25				.03	.42		.13		T.				.30			.90	.03					2.16
Elkins***	Monongahela ..	T.		.12	.06	.13	.02		.03	.24	.17	T.		.11	.28	.02	.31	.11	.02	.01	.30		.05	.29		T.	.51	.03	T.				2.81
Fairmont||||	....do			.02	T.	.16			.41	.20				.12	T.		.14	T.	T.	T.	.06		.62	T.		.40	.06						2.19
Glenville ||||	Little Kanawha				T.		.03			.14	.32				.05	.34		.11	T.		T.	.04		.35			.46	.27					2.11
Grafton ||||	Monongahela ..				.10					.35	.33			T.	.55		T.							.92		T.		.05	T.				2.30
Hastings	Ohio				T.	.06	T.		T.	T.	.28				.30	.13		.09	T.	T.	T.	.06		.58			.82	T.					2.32
Horner	Monongahela ..			.05	.10					.40					.45			.10						.46			.60	.20					2.36
Horton	....do				.16		.09			.20	.12			T.	.28			T.	.45	T.	.08	T.					.62	.07					2.07
Janelew (near)	....do						.15				.20				.40			.20						.30			.70	.08					2.03
Lost Creek	....do			T.	T.		.09			.04	.11			.04	.40			.03	T.	T.	.04	T.		.30	T.		.42	.08					1.55
Mannington	....do			.01	.03	.04	.11			.16	.19				.41	.04		.11	T.	T.	.04	.03	.08	.62		.05	.55	.04					2.51
Morgantown	....do			T.	.08	T.				.90	T.	.05	T.		.30	.20		.20	.50		.05		.30	.20			.16	.04					2.98
New Cumberland||||	Ohio				.04	.12	.12			.08		T.		T.	.05	.47	.03	.04	.03	.02	.02		.16	1.00	.02		.18	.01					2.39
New Martinsville	....do				T.	T.	.08			.14	T.				.42		T.	T.		T.	T.		.72	.62			.60						2.58
Parkersburg***	....do			T.	T.	.08			T.	.20	.04			T.	.49		.03	.01	T.	T.	.04		.19	.13		.20	.27	T.					1.68
Parsons	Monongahela ..			T.	*	*	.80			*	*	.30		*	.40		.20	.05			.05					T.	.20						2.00
Parsons No. 2	....do			T.	.08	T.	.17			.18	.39			.01	.22	.06	T.	.45	T.	T.	.01	.01		.37			.51	.03					2.49
Philippi	....do			.05	.05		.02			.03	.63					.39		.35	.02		.02			.58			.68	.05					2.87
Pickens	....do			.10	.20		.10			.55	.37				.38	.20	.09	.08		.10	.16	.21		.73		.23	.35	.40					4.25
Reedsville	....do			.18	.20	.16	.16			.32	.18				.45			.10		.05	.20	.16	1.20			.40	.20	.18					4.14
Roanoke	....do				.02					.12	.35				.37			.15	.01		T.	.02		.29			.62						1.95
Saint Marys||||	Ohio			T.	.03			.11	T.	.13	.19				.02	.50		.08		T.	T.	T.	.05	.43			.68		.03				2.25
Terra Alta	Monongahela ..																																....
Thomas ||||	....do				.17	.01	.18			.12	.51				.11	.29		.28	.11		.01	.09		.30			.23	.06					2.47
Valley Chapel	....do				.06		.05		.02	.13	.30	.02		.02	.41	.07		.10	T.		T.	.12		.38			.70	.03					2.41
Vandalia	....do					.54	T.				.58				.43			.31						.37			.64	T.					2.87
Wellsburg	Ohio					.33				.03		T.			.31	.16		.12		T	T.		.41	.97		T.	.28		T.				2.61
West Milford	Monongahela ..														1.80								.50										2.30
Weston	....do				.06		.09			.06	.27				.02	.46		.18	.08		.02	.04		.36			.72	.06					2.42
Wheeling (Dam 12)||||	Ohio				.02	.02	.16		T.	.11					.03	.53	.04	.06		T.	.04	.03	.07	1.90			.40	.03					3.44
Woodlands||||	....do			T.		.02	.10			.10	.02				.01	.53		.10			.01	.05	.04	1.34	T.		.54	.08					2.94
Southern Division																																	
Arbovale	Great Kanawha			T.	.08		.05			.05	.24			.05	.41		T.	.24	T.	T.	.13			.20			.56	.08	T.				2.09
Bancroft ||||	....do						.08				.48				.03			T.			.11			.54			.93						2.17
Beckley	....do			.11	.18				.06	.41	.37			.20	.88		.06	.17			.06			.28			.11	.09					2.98
Bluefield	....do	T.			.10	T.	T.			.23		.50		.24	.50				.29		.02			.16			1.04						3.08
Camden-on-Gauley	Gauley				.11		.05			.07	.61				.06	.43		.28	.05		.05	.07		.50			.77	.20	.02				3.27
Charleston	Great Kanawha			T.			T.		T.	.07	.62			T.	.38	.01		.12			.03			.26			.42	.85					2.76
Clay||||	....do				.03		.11		T.	.08	.50				.03	.28		.09	.04			.09		.31	.01		.40	.06					2.03
Dam 3 G. K. ||||	....do																																....
Dam 6 G. K. ||||	....do									.14	.58					.45		.06						.37			.50						2.10
Dam 19 O. R. ||||	Ohio			T.	T.		.06		T.	.06	.20				T.	.47		.08	T.	T.	T.	.01	T.	.28			.45	.01					1.62
Dam 20 O. R. ||||	....do			T.	T.		.02		T.	.05	.20				T.	.49		.11	T.			T.		.34	T.		.44	.01					1.66
Dam 25 O. R. ||||	....do									.08	.32				.03	.50		.12	.02			.12		.24			.58	.03					2.04
Dam 26 O. R. ||||	....do						.03			.01	.44				.03	.42		.08						.23			.45	.10					1.79
Gary ||||	Big Sandy				.05	.11					.88				.12	.52		.18			T.			.18			1.21						3.25
Hinton||||	....do				.04	T.			T.	.11	.45				.16	.60		.11	T.		T.	.02		.10			.76	.06	T.				2.41
Huntington	Ohio				T.		.02		T.	.30	.21			.02	.53		.02	.05			T.			.30		.14	.71	.01					2.31
Kanawha Falls||||	Great Kanawha				.26		.03		.02	.01	.56	.01			.02	.38		.14	.06			T.		.20			.62	.08					2.39
Kayford||||	....do				.17		T.		.02		.58	T.			.07	.32		.02	.21		T.	.03		.20	.01		.82	.08	.01				2.54
Kingston	....do				.08					1.50					35												.08						2.01
Lewisburg	....do																																....
Logan||||	Guyandotte				.18	T.			T.	.08	.70				.16	.45		.05	.07					.23			.94	.05					2.91
Madison	Great Kanawha			.04					.05	.55				.20	.30			.02					.19			.10	.02						1.47
Marlinton	....do									.87					.28					T.	T.							T.	.05				1.20
Point Pleasant||||	Ohio			.02			.06		T.	.04	.40				.04	.56		.06	.04			.04		.24	.02		.70	.08					2.30
Rainelle	Meadow Creek			.05	.20		.01		T.	.22	.38	.01		.10	.56		.01	.26	.05	.02	.05			.32		T.	.72	.10					3.06
Ravenswood (Dam 22	Ohio||||									.07	.35				T	.47						.07		.30			.65	.07					1.98
Richwood	Great Kanawha			.02	.18					.15	.42				.31			.35	.01		.10	.02		.50			.80	.06					2.92
Robertsburg||||	....do				.07		.06		.02	.03	.50				.03	.38		.05	.02					.32			.68	.02					2.18
Ryan	....do			T.	.01		.02		.12	.16	.29			.01	.39						.12	.01		.03		.15	.95	.02					2.28
Sharples||||	Coal River				T.						.60				.40	.67											.93	.20	T.				2.80
Spencer ||||	Great Kanawha			.11	T.		T		.04	T.	.36				.06	.32		.05	T.					.38			.52	.08					1.92
Summersville	....do				.11		.03			.10	.59				.05	.31		.21	.08			.16		.29	.03		.75	.16					2.87
Sutton	Gauley				.08		.08			.10	.50				.40			.20	.08		.24			.35			.16	.16					2.35
Thornwood	Great Kanawha																																....
Union	Gauley																																....
Wayne||||	Big Sandy				.06				.02		.48				.08	.52		.02	.02					.35			1.01	.10					2.66
White Sulpr. Spgs.||||	Great Kanawha		.15						.10	.50					.40								.20			.75							2.10
Williamson||||	Big Sandy				.10					.11	.72			T.	.15	.43		.05	T.			T.		.25			.94	.05	T.				2.80

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	40	42	40	33	32	35	45	45	40	28	50	48	44	55	50	41	28	35	50	34	38	39	36	54	65	60	17	27	....	....	....	41.1
	Minimum	6	27	15	18	12	− 3	21	40	25	22	8	20	30	32	32	28	20	13	28	27	16	28	20	12	19	17	0	6	....	....	....	19.2
Brandywine	Maximum	35	45	40	37	44	40	28	45	57	48	47	46	47	40	64	58	51	42	44	36	42	44	46	54	64	57	29	30	....	....	....	45.0
	Minimum	12	14	30	24	16	18	11	15	36	31	19	20	24	35	32	26	32	16	30	24	15	29	27	15	28	29	8	9	....	....	....	22.3
Kearneysville	Maximum	27	47	47	38	32	29	26	35	45	41	38	41	37	35	62	57	49	44	45	40	44	40	39	55	65	58	34	36	....	....	....	42.4
	Minimum	− 7	2	36	26	18	14	− 3	16	31	31	29	22	21	31	32	36	36	30	35	29	19	32	29	23	32	28	12	14	....	....	....	23.4
Martinsburg*	Maximum	26	51	45	40	35	28	27	37	44	42	35	43	38	36	65	57	46	46	47	43	44	36	40	56	66	60	60	..	....	....	....	44.2
	Minimum	− 2	0	10	29	21	15	− 3	0	23	31	30	24	22	24	31	34	37	31	32	31	20	22	30	23	26	26	14	17	....	....	....	21.4
McNeill	Maximum	35	50	47	40	45	40	33	37	45	43	39	35	45	42	64	60	51	46	48	38	42	39	35	60	69	67	28	37	....	....	....	45.0
	Minimum	− 6	1	31	25	15	18	10	20	32	32	26	17	21	34	32	26	35	29	29	27	18	29	31	15	29	27	12	11	....	....	....	22.4
Piedmont	Maximum	29	46	40	33	39	25	27	35	34	41	32	43	40	34	59	51	47	38	42	33	38	34	32	55	61	28	24	31	....	....	....	38.2
	Minimum	3	15	33	21	25	17	7	23	33	30	28	17	24	32	33	30	33	28	32	28	17	31	27	26	25	24	9	15	....	....	....	23.8
Romney	Maximum	30	47	49	49	41	41	32	36	44	44	35	48	48	41	62	62	51	44	43	37	40	40	32	57	61	62	30	34	....	....	....	44.3
	Minimum	− 6	6	47	23	21	16	0	25	32	30	30	20	22	32	30	34	35	29	32	20	21	22	30	17	21	28	12	16	....	....	....	23.0
Upper Tract	Maximum	31	48	48	38	39	..	30	..	..	..	37	49	48	46	60	..	44	39	..	41	43	..	..	..	63	61	..	33	....	....	....	44.3
	Minimum	12	15	35	..	20	..	9	..	..	..	26	18	26	26	43	..	29	26	..	28	18	..	..	..	31	26	..	12	....	....	....	23.5
Wardensville	Maximum	38	50	41	40	43	28	29	38	50	41	38	49	41	38	63	58	39	45	45	38	41	38	36	54	64	47	40	33	....	....	....	43.0
	Minimum	− 9	− 1	13	25	17	5	4	8	2[illegible]	31	26	21	22	27	29	26	35	28	30	30	19	27	29	17	20	35	11	12	....	....	....	20.1
Northern Division																																	
Alpena	Maximum	37	43	41	29	34	33	34	44	43	41	28	48	47	44	53	49	41	31	36	31	36	50	41	54	63	56	19	23	....	....	....	40.3
	Minimum	8	27	27	12	9	16	4	23	35	25	21	12	21	36	39	29	23	19	25	20	14	30	18	11	30	12	0	5	....	....	....	19.7
Bens Run	Maximum	34	43	43	37	34	35	35	44	40	36	33	35	46	50	53	54	42	42	42	38	35	36	36	45	49	50	35	45	....	....	....	41.0
	Minimum	27	24	24	28	28	19	20	23	35	30	30	23	28	44	48	34	32	29	35	30	18	33	26	24	31	23	10	12	....	....	....	27.4
Buckhannon	Maximum	40	47	45	37	39	39	45	49	50	45	35	50	57	58	60	50	45	40	44	43	38	54	53	55	68	64	22	31	....	....	....	46.5
	Miuimum	26	29	33	23	25	19	16	33	43	30	28	20	26	43	45	32	32	25	33	28	9	31	25	21	25	22	6	10	....	....	....	26.4
Cairo	Maximum	47	47	52	39	39	43	49	49	55	45	47	51	54	54	57	62	53	36	46	45	36	42	41	59	57	53	34	35	....	....	....	47.4
	Minimum	25	18	34	26	27	32	38	32	24	31	22	18	23	41	45	27	31	28	35	24	10	27	25	17	14	10	5	6	....	....	....	24.8
Clarksburg *	Maximum	44	49	36	35	40	30	42	50	46	45	33	52	57	54	58	54	35	44	42	35	37	44	36	55	65	29	29	35	....	....	....	43.2
	Minimum	11	22	34	25	24	19	15	16	32	30	28	18	20	28	42	30	33	27	30	31	14	20	32	18	20	21	6	7	....	....	....	23.3
Creston	Maximum	40	52	47	35	41	38	43	50	48	42	37	40	49	51	62	56	43	44	44	40	44	42	40	57	63	52	22	36	....	....	....	44.9
	Minimum	25	18	33	25	27	19	17	30	41	29	29	17	24	44	45	27	30	27	34	24	12	27	25	19	23	22	9	11	..	....	....	25.5
Elkins	Maximum	40	48	44	30	38	32	38	47	47	39	31	52	53	51	57	50	34	40	41	31	54	55	46	57	67	51	13	28	....	....	....	43.4
	Miuimum	24	33	30	20	18	21	15	32	39	26	23	17	25	44	40	30	26	22	29	20	16	36	22	17	27	13	3	12	....	....	....	24.3
Fairmout	Maximum	50	52	36	33	38	37	45	50	45	45	34	56	55	53	62	59	35	43	47	35	36	43	36	57	70	37	26	36	....	....	....	44.7
	Minimum	17	17	32	23	23	19	17	23	37	30	28	20	20	31	45	34	32	27	30	29	13	15	31	22	28	26	5	6	....	....	....	24.3
Glenville	Maximum	46	54	53	38	42	42	48	51	51	45	38	56	56	55	62	64	50	44	46	42	44	44	46	60	67	66	25	36	....	....	....	49.0
	Minimum	26	21	37	27	28	23	18	31	44	31	30	20	31	44	47	30	32	28	35	28	13	28	27	20	29	23	11	12	....	....	....	27.6
Grafton	Maximum	42	50	47	35	36	35	43	50	50	38	52	50	55	51	60	55	49	40	39	39	36	40	39	57	68	58	23	31	....	....	....	45.3
	Minimum	13	27	34	23	26	19	17	34	35	30	28	20	25	44	42	29	30	27	34	29	12	32	31	20	26	21	7	13	....	....	....	26.0
Hastings	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
Lost Creek	Maximum	45	49	49	35	40	37	48	52	48	35	33	55	51	49	58	58	47	39	43	39	37	39	43	59	65	60	23	31	....	....	....	45.2
	Minimum	24	22	32	23	25	28	14	30	33	28	27	17	22	41	46	27	30	25	32	25	12	26	23	18	24	21	− 1	5	....	....	....	24.2
Mannington	Maximum	41	47	46	36	38	34	40	48	46	37	33	48	54	51	58	56	50	39	44	38	35	36	41	51	66	58	22	32	....	....	....	43.8
	Minimum	24	19	33	23	26	18	13	31	36	29	28	17	22	40	45	28	30	27	34	28	6	33	25	20	24	22	0	8	....	....	....	24.6
Morgantown	Maximum	41	44	44	32	34	33	44	48	49	46	36	45	52	52	57	56	47	37	38	38	33	36	36	52	65	61	30	29	....	....	....	43.4
	Minimum	20	33	15	18	22	29	30	33	33	32	25	19	18	42	40	34	27	26	28	26	13	30	23	23	34	17	2	1	....	....	....	24.8
New Cumberland*	Maximum	41	49	36	34	35	29	38	44	38	35	31	46	50	53	56	48	39	42	37	37	36	41	37	47	58	41	27	..	....	....	....	40.9
	Miuimum	19	20	32	20	19	9	6	8	33	24	24	21	21	22	42	37	24	25	29	29	17	20	26	23	23	18	9	10	....	....	....	21.8
New Martinsville	Maximum	44	50	48	39	38	36	44	50	48	40	34	52	55	55	60	57	45	42	45	38	37	38	41	56	62	54	24	36	....	....	....	45.3
	Minimum	26	24	34	25	27	19	16	32	38	29	29	21	25	44	49	31	30	28	35	28	13	32	25	23	28	21	6	13	....	....	....	26.8
Parkersburg	Maximum	45	51	40	31	41	24	43	51	48	34	36	50	53	53	61	52	36	46	47	37	41	39	41	55	63	37	21	37	....	....	....	43.3
	Minimum	28	30	31	25	21	14	19	34	34	29	30	25	27	48	39	33	29	29	25	24	18	24	25	24	35	15	10	16	....	....	....	27.2
Parsons	Maximum	43	51	62	37	40	54	40	45	45	49	45	53	51	47	59	53	44	40	41	47	37	54	48	59	70	55	28	30	....	....	....	47.4
	Minimum	27	29	33	22	23	21	19	30	37	30	26	17	17	40	38	29	29	24	31	25	20	30	23	18	24	11	6	9	....	....	....	24.6
Pickens	Maximum	41	44	40	43	39	33	37	44	42	38	43	53	56	50	56	46	36	38	41	30	45	59	55	47	64	52	40	34	....	....	....	44.5
	Minimum	18	25	27	30	15	19	20	24	36	30	18	22	26	40	32	23	18	23	22	16	5	39	18	35	44	15	− 1	− 1	....	....	....	22.8
Reedsville	Maximum	38	44	41	38	36	32	41	45	45	35	30	48	51	45	56	53	44	35	40	32	32	35	38	54	66	57	17	28	....	....	....	41.3
	Minimum	12	19	31	17	21	17	2	27	34	21	24	7	18	38	37	25	27	23	29	23	− 5	31	22	16	19	17	− 2	1	....	....	....	19.7
Wellsburg	Maximum	42	47	46	37	36	34	38	45	44	37	32	37	52	52	58	51	40	39	43	40	35	34	38	49	59	52	27	31	....	....	....	42.0
	Minimum	21	25	33	20	26	15	1	25	34	26	27	18	18	37	41	31	27	26	30	25	12	30	24	17	26	20	3	11	....	....	....	23.2
Weston	Maximum	48	57	50	38	39	38	50	52	55	45	56	53	53	56	65	62	50	40	42	40	34	40	38	58	68	65	30	38	....	....	....	48.6
	Minimum	24	25	32	25	21	20	18	34	39	30	20	25	35	39	36	35	32	25	32	30	14	30	28	29	22	29	10	16	....	....	....	27.0
Wheeling (Dam 12)	Maximum	43	47	37	30	33	28	40	49	38	34	33	47	51	52	58	46	32	44	39	35	35	40	31	48	58	24	22	33	....	....	....	39.5
	Minimum	18	23	23	23	22	13	12	13	30	28	21	21	17	24	38	34	29	27	30	19	17	29	27	25	22	5	5	16	....	....	....	21.8
Southern Division																																	
Beckley	Maximum	43	49	42	31	40	38	40	48	48	46	43	57	50	54	58	52	40	42	43	38	51	63	55	57	64	59	25	33	....	....	....	46.8
	Minimum	15	27	28	18	13	23	19	27	41	29	23	23	28	36	40	28	27	22	28	22	14	44	21	11	30	16	4	5	....	....	....	23.6
Bluefield	Maximum	43	47	..	50	46	43	36	50	48	..	50	55	52	47	59	57	..	56	44	39	52	63	61	..	61	57	25	34	....	....	....	49.0
	Minimum	16	32	..	24	20	30	21	28	44	..	26	29	35	36	45	33	..	25	33	23	18	46	25	..	19	25	9	10	....	....	....	27.2
Charleston	Maximum	40	44	54	45	32	46	30	50	52	50	42	41	53	58	63	63	59	59	48	48	54	60	64	58	68	65	52	39	....	....	....	51.3
	Minimum	17	26	35	29	28	24	24	24	39	34	32	27	26	34	47	36	35	31	37	30	23	39	29	29	26	26	15	18	....	....	....	29.3
Gary *	Maximum	47	54	41	34	45	35	47	51	50	45	45	59	55	52	61	57	37	44	46	38	56	65	50	63	65	38	37	37	....	....	....	48.3
	Minimum	18	18	31	29	18	18	27	28	37	38	31	25	25	37	44	31	31	29	29	29	18	19	34	20	25	27	13	10	....	....	....	26.4
Hinton *	Maximum	44	56	44	30	47	43	45	42	49	46	48	55	46	44	63	60	39	50	49	56	60	70	40	60	66	39	32	40	....	....	....	48.7
	Minimum	17	18	29	28	22	23	27	27	32	38	24	25	26	34	37	31	31	30	30	28	20	32	40	21	22	32	13	13	....	....	....	26.8
Huntington	Maximum	46	54	48	39	46	43	47	53	53	42	40	56	59	57	63	57	44	49	50	44	57	59	44	56	63	53	29	41	....	....	....	49.7
	Minimum	20	31	38	29	30	21	22	34	42	33	29	24	31	51	52	32	33	31	37	32	21	42	28	25	30	24	14	19	....	....	....	30.5
Madison	Maximum	45	54	41	34	46	30	52	52	50	39	43	57	59	59	63	57	36	49	49	37	58	68	42	64	68	16	24	39	....	....	....	47 5
	Minimum	28	30	27	26	22	21	27	27	32	32	33	24	32	32	32	33	30	31	29	19	22	22	21	21	28	12	6	10	....	....	....	25.3
Marlinton	Maximum	38	36	40	42	42	38	38	42	44	40	36	32	32	38	38	32	30	34	34	36	38	42	40	38	58	40	32	36	....	....	....	38.1
	Minimum	18	12	18	20	20	20	24	28	24	24	22	16	18	24	18	20	16	20	26	22	20	18	24	26	22	16	8	12	....	....	....	19.9
Point Pleasant	Maximum	44	53	51	37	44	42	44	51	50	43	38	54	55	53	62	60	47	49	47	43	48	46	40	56	54	53	25	38	....	....	....	47.4
	Minimum	20	27	35	26	27	18	18	31	41	31	30	22	28	48	48	29	32	28	33	29	19	32	25	21	29	24	12	17	....	....	....	27.9
Rainelle	Maximum	41	48	40	31	40	32	34	42	47	43	40	50	46	43	56	51	41	40	40	38	50	62	60	50	69	61	21	32	....	....	....	44.6
	Minimum	14	26	27	19	14	26	19	27	35	29	26	18	25	32	35	25	28	24	28	24	11	28	22	14	22	20	6	1	....	....	....	22.3
Ravenswood	Maximum	45	51	54	47	42	43	44	51	52	45	40	52	54	53	62	59	54	46	48	42	45	48	45	55	62	57	49	42	....	....	....	49.5
	Minimum	24	23	46	27	29	16	18	33	40	31	31	20	27	47	48	29	31	29	34	28	17	31	25	23	30	22	12	17	....	....	....	28.1
Richwood	Maximum	41	46	48	38	41	39	32	48	47	37	42	56	54	48	58	50	45	40	39	38	50	61	60	39	59	60	21	29	....	....	....	45.2
	Minimum	17	29	29	19	15	18	14	23	31	24	24	23	28	41	43	28	29	24	31	24	10	36	14	18	20	20	7	4	....	....	....	23.0
Robertsburg*	Maximum	45	53	40	39	44	31	39	52	50	45	35	49	61	54	61	53	34	49	49	37	57	51	42	61	64	35	26	40	....	....	....	46.3
	Minimum	13	24	31	27	27	20	17	18	36	32	29	22	22	32	40	29	30	30	30	28	19	21	29	21	28	26	13	13	....	....	....	25.2
Ryan	Maximum	40	47	35	32	37	32	45	46	42	37	34	59	55	49	55	55	44	39	40	33	44	48	38	54	55	62	50	32	....	....	....	43.9
	Minimum	10	17	27	21	23	16	14	27	35	27	25	15	22	42	40	38	27	23	30	18	10	23	21	15	25	15	6	5	....	....	....	22.0
Spencer *	Maximum	36	52	39	34	42	28	46	51	49	39	37	54	56	55	62	56	35	45	46	36	55	39	31	59	64	29	23	38	....	....	....	44.1
	Minimum	27	21	34	25	26	20	19	24	39	32	31	20	27	36	47	30	32	28	31	29	16	21	30	22	40	28	9	12	....	....	....	27.0
Sutton	Maximum	45	52	52	37	42	42	47	51	51	48	40	54	56	56	67	67	52	45	45	43	46	52	52	60	68	68	29	34	....	....	....	50.0
	Minimum	25	27	35	25	27	23	12	30	40	33	30	21	26	44	47	30	32	27	35	24	12	31	26	20	28	23	10	6	....	....	....	26.8
Union	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
White Sulphur Spgs.	Maximum	34	42	39	29	38	40	34	40	47	40	42	43	43	46	58	50	39	40	40	35	48	64	38	50	55	40	33	39	....	....	....	42.4
	Minimum	18	32	18	15	20	18	22	30	34	26	22	16	20	36	28	32	26	27	26	22	27	35	20	19	29	10	7	17	....	....	....	23.3
Williamson*	Maximum	45	55	44	42	51	33	51	53	51	47	43	53	51	62	66	56	38	48	50	38	57	65	41	50	56	37	31	39	....	....	....	48.3
	Minimum	21	25	33	32	25	27	24	27	40	37	32	28	30	38	47	38	36	32	33	31	23	23	33	25	26	32	16	16	....	....	....	29.6

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-5-35—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIII Parkersburg, W. Va., March, 1935 No. 3

GENERAL SUMMARY

With an average temperature of 48.7°, the past month was the warmest March since 1921, and the fifth warmest of March State record. The month was almost continuously warm, moderately cold weather prevailed on four or five days. The precipitation was unusually heavy in practically all districts, there were only a few stations that received less than the normal. Heavy rains occurred frequently during the second and third decades, especially from the 10th to the 12th, and from the 23d to the 25th, causing considerable damage by flooding highways in sections of the central and southern counties. Many small streams in the Great Kanawha Basin were at a bankful stage. The snowfall was mostly light and unimportant. Dust storms were somewhat general over the State on the 5th, 6th, 21st, 22d, 23d, 24th, 26th, 29th, and 30th. The dust was mostly light with but little deposit, although car drivers in the mountain sections reported that the dust was thick enough to require the use of headlights. The conditions were generally favorable for fruit, but farm work was much retarded by frequent rains. Winter wheat and pastures made good growth, and were in good condition at the close of the month.

TEMPERATURE

The monthly mean for the State, determined from 55 stations, was 48.7°, or 6.3° above the normal. The weather was almost continuously warm during most of the month, with the highest temperature generally on the 16th. Mild weather for the season prevailed on the 1st, 8th, 9th, 12th to the 14th, and on the 18th, the lowest readings occurring generally on the 1st and 18th. The highest monthly mean temperature was 54.2° at Charleston, and the lowest, 43.7° at Alpena. The highest temperature was 86° at Glenville and Romney on the 16th, and the lowest was 10° at Gary on the 1st, making the monthly range for the State, 76°.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 5.51 inches, which was 1.59 inches more than the normal. The precipitation was the heaviest over the southern and central sections, and lightest in the eastern counties. Precipitation was general from the 4th to the 8th, 10th to the 14th, 19th to the 26th, and on the 28th and 30th, the greatest amounts being measured on the 11-12th, and 23d-25th. The greatest monthly precipitation was 11.87 inches at Williamson, and the least, 1.65 inches at Wardensville. The greatest amount of precipitation in any 24 consecutive hours was 3.62 inches at Lewisburg on the 12th. The average number of days with .01 inch or more of precipitation was 14.

RIVERS

Heavy rains from the 10th to the 12th, caused a moderate flood in the Little Kanawha Basin and in the Ohio River at Dam 25 and Point Pleasant. The following crest stages occurred: Glenville, 25.5 feet; Creston, 23.4 feet; Dam 25, 46.8 feet, and Point Pleasant, 43.6 feet.

MISCELLANEOUS PHENOMENA

Fogs, dense: Crawford, 12th; Grafton, 30th; Hinton, 4th; New Cumberland, 22d; Parkersburg, 20th; Pickens, 3d, 21st, and 22d; Stony River Dam, 30th.

Hail: Reedsville, 28th.

Halos, lunar: Elkins, 15th and 16th; Parkersburg, 18th; Pickens, 16th.

Sleet, Horton, Martinsburg, and McNeill, 12th.

Thunderstorms (dates and number of stations reporting): 3d, 3; 12th, 1; 20th, 1; 21st, 8; 22d, 1; 23d, 22; 24th, 4; 25th, 3.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.03	30.53	8	29.56	25	9.5	28	w.	16	76	58	64	47
Columbus, Ohio	30.03	30.56	8	29.59	25	11.6	39	sw.	17	73	58	64	46
Elkins	30.09	30.60	9	29.61	12	7.6	32	w.	17	76	59	63	38
Parkersburg	30.08	30.59	9	29.56	11	7.7	28	sw.	17	74	56	61	40
Pittsburgh, Pa	30.05	30.63	9	29.55	11	11.1	38	sw.	17	72	65	60	41
Wytheville, Va	30.08	30.61	9	29.36	12	7.7	27	w.	7	79	62	74	39

COMPARATIVE DATA FOR MARCH

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	34.9	−7.5	.....	.....	4.91	+0.99	.....	.....	.....	....	....	....	....
1892	36.4	−6.0	87	8	3.50	−0.42	....	.....	.....	....	....	....	....
1893	40.7	−1.7	84	3	1.49	−2.43	2.89	0.89	5.2	9	8	8	15
1894	45.8	+3.4	88	1	1.94	−1.98	3.05	0.75	1.9	8	15	9	7
1895	39.6	−2.8	90	0	3.05	−0.87	4.75	0.89	7.9	11	10	9	11
1896	36.1	−6.3	76	−10	4.45	+0.53	8.40	1.76	......	13	11	8	13
1897	46.1	+3.7	81	12	3.60	−0.32	6.52	1.33	......	12	9	10	12
1898	48.5	+6.1	86	9	5.13	+1.21	10.05	1.25	T.	12	8	9	14
1899	42.5	+0.1	76	0	5.82	+1.90	8.48	2.40	4.5	13	7	9	15
1900	38.5	−3.9	78	− 5	3.79	−0.13	6.48	2.18	14.7	12	7	9	15
1901	42.9	+0.5	83	−11	3.23	−0.69	5.27	0.90	2.3	12	8	8	15
1902	43.4	+1.0	80	− 5	4.30	+0.38	6.29	3.00	15.0	11	10	9	12
1903	51.3	+8.9	87	13	4.47	+0.55	6.59	2.70	0.2	11	10	9	12
1904	43.8	+1.4	86	7	4.12	+0.20	6.10	1.38	1.9	11	9	8	14
1905	46.6	+4.2	88	− 2	4.10	+0.18	6.46	1.45	0.7	10	14	7	10
1906	37.3	−5.1	75	− 7	4.77	+0.85	8.11	1.98	13.4	14	7	6	18
1907	49.6	+7.2	**94**	2	4.77	+0.85	8.18	1.05	4.2	12	12	8	11
1908	47.8	+5.4	89	15	6.04	+2.12	8.60	1.23	1.1	13	11	8	12
1909	40.8	−1.6	83	10	3.38	−0.54	8.66	1.10	4.7	13	9	10	12
1910	49.5	+7.1	90	5	**0.55**	−3.37	2.25	**0.04**	1.1	4	18	9	4
1911	40.5	−1.9	90	− 5	3.30	−0.62	7.86	1.12	5.2	12	11	8	12
1912	39.9	−2.5	80	6	5.02	+1.10	9.36	1.78	5.1	15	8	7	16
1913	45.7	+3.3	89	− 3	4.53	+0.41	7.90	1.77	2.7	12	11	9	11
1914	37.3	−5.1	83	−13	3.03	−0.89	7.11	0.89	17.7	12	10	8	13
1915	**34.4**	−8.0	63	7	1.61	−2.31	4.32	0.53	6.7	8	12	7	12
1916	38.5	−3.9	88	− 4	4.88	+0.96	9.88	2.49	9.0	13	11	7	13
1917	41.9	−0.5	85	− 3	**6.58**	+2.66	**14.20**	3.10	11.6	14	14	4	13
1918	46.5	+4.1	85	9	4.26	+0.34	9.37	1.55	0.1	9	16	5	10
1919	44.5	+2.1	81	12	2.92	−1.00	4.81	1.60	0.8	9	16	6	9
1920	42.8	+0.4	83	− 5	3.38	−0.54	8.87	1.40	3.1	9	17	5	9
1921	**52.7**	+10.3	90	10	2.84	−1.08	5.75	0.63	T.	10	14	8	9
1922	45.0	+2.6	85	0	5.33	+1.41	8.19	1.40	3.3	15	10	5	16
1923	41.7	−0.7	82	− 4	3.23	−0.69	5.50	0.88	3.2	10	15	5	11
1924	38.9	−3.5	83	4	4.16	+0.24	7.86	1.60	9.9	11	10	7	14
1925	43.6	+1.2	82	−12	3.25	−0.67	6.59	1.00	2.2	11	12	6	13
1926	35.9	−6.5	75	− 9	2.87	−1.05	9.82	0.35	10.0	13	10	7	14
1927	45.4	+3.0	89	5	2.66	−1.26	4.97	0.20	1.0	9	11	6	14
1928	41.4	−1.0	86	− 3	3.87	−0.05	7.64	1.32	16.3	12	10	9	12
1929	46.7	+4.3	92	− 2	3.47	−0.45	6.65	1.27	4.8	12	12	6	13
1930	40.3	−2.1	79	0	3.21	−0.71	6.03	0.20	6.9	11	14	6	11
1931	37.4	−5.0	68	10	3.52	−0.40	7.95	1.90	9.0	16	4	6	21
1932	36.6	−5.8	80	− 3	5.32	+1.40	9.79	2.25	8.0	13	8	8	15
1933	40.5	−1.9	80	− 4	5.92	+2.00	11.59	1.59	5.1	15	8	6	17
1934	38.9	−3.5	80	−18	4.26	+0.34	8.09	1.42	11.4	14	10	6	15
1935	48.7	+6.3	86	10	5.51	+1.59	11.87	1.65	1.8	14	9	8	14
Period	42.4	......	94	−18	3.92	....	14.20	0.04	5.7	11	11	7	13

Climatological Data for March, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	44.2	+6.5	77	16	11	9	45	4.58	+0.05	1.20	4.0	11	15	6	10	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	48.4	+7.4	78	16	18	1	43	2.67	+0.12	1.07	T.	6	14	0	17	s.	Elmer Keister
Circleville	Pendleton	......	3	......	......	......	......	......	......	......	5.10	......	1.14	0.8	14	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Sherman Harrison
Kearneysville	Jefferson	548	5	47.8	......	76	21†	17	9	37	2.81	......	0.56	3.0	11	8	12	11	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	^{a}46.8	+5.2	78^{a}	21	19	9	40^{a}	2.09	−0.54	0.46	1.0	12	19	12	0	w.	Dr. H. S Gardner
McNeill	Hardy	900	39	48.8	+4.2	84	16	15	9	50	2.53	−0.10	0.62	T.	9	4	8	19	w.	John W. McNeill
Piedmont	Mineral	1,053	22	46.2	+5.0	82	16	16	9	44	1.83	−1.13	0.37	0.2	12	10	6	15	uw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	46.9	+4.5	86	16	22	1	56	2.26	−0.55	0.50	......	14	8	5	18	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	......	......	......	......	......	......	......	3.23	−0.12	0.79	4.0	10	5	4	22	w.	A. C. Becker
Upper Tract ^{c}	Pendleton	1,230	36	48.4	+6.1	79	16	18	9	45	2.33	+0.16	0.56	......	7	......	......	......	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	^{b}46.6	+4.7	80^{b}	16	14^{b}	9	44^{d}	1.65	−0.55	0.52	3.0	10	9^{b}	8^{b}	12^{b}	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	......	......	......	......	......	......	......	4.99	+1.20	1.22	3.2	14	7	12	12	w.	L. Else Bond
Alma (near)	Tyler	800	8	......	......	......	......	......	......	......	3.37	......	0.98	0.2	13	12	4	15	......	D. N. Furbee
Alpena	Randolph	2,571	5	43.7	......	74	16	11	13	50	6.86	......	1.24	3.0	16	9	12	10	w.	Christian Hertig
Benson	Harrison	1,080	11	48.1	+7.8	78	16	12	18	51	4.89	+1.43	1.45	4.2	15	10	13	8	......	R. D. Marts
Bens Run	Pleasants	652	33	48.2	+4.7	71	16	15	1	38	3.79	−0.22	1.01	T.	9	16	7	8	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	51.0	+9.1	80	16	18	18	48	4.90	+1.43	1.30	T.	15	8	13	10	......	W. B. Worley
Buckhannon	Upshur	1,411	38	49.2	+7.3	79	16	23	1†	41	6.11	+1.59	1.25	2.0	13	11	9	11	......	H. A. Darnall
Cairo	Ritchie	680	34	48.6	+4.3	79	17	17	9	41	5.51	+1.54	1.55	0	12	12	4	15	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	47.6	+7.9	78	16	15	1	46	4.11	+1.09	1.44	3.0	16	9	9	13	nw.	Clarksburg Water Board
Crawford	Lewis	1,107	12	......	......	......	......	......	......	......	5.51	+1.18	1.11	2.0	15	10	8	13	sw.	George W. Blair
Creston	Wirt	640	33	50.0	+6.0	80	16	19	18	49	5.59	+1.70	1.48	0	15	11	1	19	......	P. M. Basnett
Dam 10 Mon. R	Marion	826	14	......	......	......	......	......	......	......	4.29	+0.52	1.16	2.0	15	......	......	......	......	Lockmaster
Dam 13 O. R	Ohio	655	19	......	......	......	......	......	......	......	2.89	−0.23	0.89	......	15	......	......	......	......	Lockmaster
Dam 15 Mon. R	Monongalia	882	14	......	......	......	......	......	......	......	3.98	+0.57	1.18	2.0	17	......	......	......	......	Lockmaster
Davis	Tucker	3,093	26	......	......	......	......	......	......	......	6.68	+2.12	1.60	5.0	15	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	23	......	......	......	......	......	......	......	5.63	+1.92	2.55	0	13	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	34	47.1	+7.1	78	16	20	1	46	5.91	+2.11	1.26	6.2	20	6	7	18	se.	U. S. Weather Bureau
Fairmont	Marion	883	29	49.8	+8.3	83	16	16	1	47	3.82	+0.01	1.11	3.0	15	11	7	13	s.	J. C. Robinson
Glenville	Gilmer	738	41	52.1	+7.4	86	16	20	18	47	6.04	+1.88	1.43	3.0	16	11	9	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	49.2	+7.7	80	16	20	9	43	6.77	+2.84	1.50	3.0	10	13	0	18	......	W. E. Clayton
Hastings	Wetzel	......	......	51.2	......	80	16†	21	8	43	5.11	......	1.08	T.	16	12	3	16	w.	L. G. McIntyre
Horner	Lewis	1,044	12	......	......	......	......	......	......	......	4.97	+1.21	1.21	......	13	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	10	......	......	......	......	......	......	......	4.47	+0.72	0.89	1.5	12	8	9	14	uw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	50.3	+7.9	81	16	18	18	48	5.19	+1.93	1.25	......	12	12	5	14	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	48.8	+6.4	76	16	18	18	48	4.43	+0.53	1.38	2.5	15	6	9	16	w.	Allen Smith
Mannington	Marion	985	32	47.8	+5.5	77	16	18	9	42	4.39	+0.62	0.99	2.8	17	10	6	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Bruce Davis
New Cumberland	Hancock	671	37	45.2	+5.8	80	16	19	1†	43	3.36	+0.12	0.67	1.0	17	6	7	18	nw.	C. H. Hesse
New Martinsville	Wetzel	634	41	50.0	+6.7	78	16	20	9	45	3.81	+0.16	0.95	T.	10	11	7	13	s.	Wm. Ankrom
Parkersburg	Wood	638	48	50.4	+7.6	78	16	23	9	42	4.20	+0.71	1.49	T.	16	4	9	18	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	48.6	+8.1	85	16	20	1	52	6.16	+1.95	1.90	T.	......	9	7	15	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	......	......	......	......	......	......	......	5.26	+1.05	1.16	4.0	12	11	11	9	......	Robert T. Deem
Philippi	Barbour	1,550	38	......	......	......	......	......	......	......	5.29	+1.18	1.50	1.0	15	......	......	......	......	H. F. Brittinham
Pickens ^{a}	Randolph	2,697	82	44.6	+5.4	75	16	12	9	51	9.34	+3.32	1.71	6.0	16	9	7	14	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	......	45.2	......	78	16	11	9	48	4.05	......	0.86	3.0	15	12	19	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	......	......	......	......	......	......	......	4.86	+1.24	1.10	2.9	13	10	1	20	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	......	......	......	......	......	......	......	4.05	+0.31	1.25	......	14	......	......	......	......	Wm. Hughes
Thomas	Tucker	2,950	6	......	......	......	......	......	......	......	5.04	......	1.56	5.2	13	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	12	50.1	+7.6	80	16	20	18	46	5.11	+1.42	1.37	0.1	15	8	17	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	12	......	......	......	......	......	......	......	5.02	+1.82	1.11	4.0	9	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	28	47.4	+7.6	78	5†	15	9	45	3.50	+0.27	0.83	T.	11	10	9	12	......	George P. Pfister
West Milford	Harrison	979	10	......	......	......	......	......	......	......	5.71	+2.17	1.38	......	11	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	52.6	+8.8	82	16	25	13	48	4.21	−0.05	1.30	1.0	13	3	11	17	......	A. Henry
Wheeling (Dam 12)	Ohio	659	48	44.2	+3.7	74	16	19	1	42	3.61	+0.50	0.90	0.2	15	5	11	15	sw.	Lockmaster
Woodlands	Marshall	637	8	......	......	......	......	......	......	......	3.15	......	0.95	T.	16	6	5	20	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	......	......	......	......	......	......	......	5.99	......	1.30	3.0	15	11	6	14	sw.	H. S. Sutton
Bancroft	Putnam	574	31	52.4	+8.6	77	15†	24	18	47	7.10	+3.25	1.84	0	12	6	2	23	w.	Charles N. Long
Beckley	Raleigh	2,440	32	47.4	+4.7	73	16	16	18	45	9.84	+5.04	1.87	0.4	17	5	12	14	......	L. A. Mauck
Bluefield ^{c}	Mercer	2,558	40	49.6	+5.2	73	16†	21	18	52	6.92	+3.53	3.58	0	14	9	4	13	......	Norfolk & Western Ry.
Charleston	Kanawha	600	32	54.2	+6.8	80	16	27	1	43	6.54	+2.20	1.34	1.5	15	8	11	12	......	S. E. Damron
Clay	Clay	706	19	......	......	......	......	......	......	......	6.14	+2.15	1.22	2.2	16	......	......	......	......	Chilton Wilson
Dam 6 G. K	Kanawha	598	8	......	......	......	......	......	......	......	5.91	+2.33	1.65	......	13	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	19	......	......	......	......	......	......	......	4.30	+0.59	1.21	......	16	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	19	......	......	......	......	......	......	......	5.33	+1.58	1.65	0	15	......	......	......	......	Lockmaster
Dam 25 O. R	Mason	565	8	......	......	......	......	......	......	......	6.04	......	1.52	0	12	......	......	......	......	Lockmaster
Dam 26 O. R	Mason	564	19	......	......	......	......	......	......	......	6.21	+2.53	1.52	......	14	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	19	49.1	+6.6	76	16	10	1	45	7.80	+4.12	2.00	......	20	......	......	......	......	U S. Coal & Coke Co.
Hinton	Summers	1,431	38	48.4	+4.3	81	16	15	1	48	7.00	+3.11	1.20	0.5	17	12	4	15	......	Mrs. M. L. McClung
Huntington	Cabell	538	38	54.0	+9.0	79	16†	25	18	45	6.43	+2.20	1.41	T.	15	5	10	16	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	......	......	......	......	......	......	......	6.77	+3.57	1.75	2.0	16	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	19	......	......	......	......	......	......	......	7.67	+3.35	1.85	......	15	......	......	......	......	Cabin Creek. Con Coal C
Kingston	Fayette	1,481	5	......	......	......	......	......	......	......	7.00	......	3.00	......	7	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	47.4	+5.3	79	16	11	1	52	9.57	+5.96	3.62	T.	12	17	6	8	......	Rose Argabrite
Logan	Logan	700	32	......	......	......	......	......	......	......	10.59	+5.75	2.15	......	16	......	......	......	......	J. R. Wampler
Madison	Boone	675	14	49.4	+3.7	80	16	23	8†	48	7.90	+3.72	1.50	0	18	12	12	7	......	W. E. Holy
Marlinton	Pocahontas	2,131	36	48.8	+10.9	70	17	28	1	40	6.13	+1.73	1.36	0	13	3	20	8	sw.	Miss Virginia Crocket
Point Pleasant	Mason	595	42	52.0	+6.8	78	27	20	9	40	6.38	+2.31	1.64	T.	17	7	11	13	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	45.4	......	74	16	14	1	48	9.38	......	2.13	4.0	18	11	0	20	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	52.0	+8.7	76	16†	21	18	40	5.61	+1.89	1.54	0	16	13	3	15	sw.	Lockmaster
Richwood	Nicholas	2,193	5	47.2	......	77	16	14	13	51	6.92	......	1.35	5.5	20	7	11	13	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	50.3	+6.4	80	16	18	1	44	6.76	+2.90	1.76	0	15	9	0	22	......	M. Frazier
Ryan	Roane	700	32	47.2	+4.4	75	16†	15	18	45	7.36	+3.11	1.40	2.8	17	8	6	17	......	Wm E. Ryan
Sharples	Logan	889	15	......	......	......	......	......	......	......	9.19	+5.45	1.78	......	8	......	......	......	......	R. W. Howard
Spencer	Roane	789	31	51.5	+8.6	80	16	20	18	45	6.03	+2.18	1.50	3.0	16	6	14	11	......	A. M. McKown
Summersville	Nicholas	1,894	2	......	......	......	......	......	......	......	7.24	......	1.49	3.0	15	......	......	......	......	Carl Perry
Sutton	Braxton	850	29	51.0	+6.8	82	16†	21	1†	49	6.63	+2.41	1.35	6.0	17	14	0	17	......	C. B. Eakle
Thornwood	Pocahontas	2,723	1	......	......	......	......	......	......	......	5.90	......	1.30	......	10	......	......	......	......	Eva R. Smith
Union	Monroe	2,250	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. B. King
Wayne	Wayne	598	8	......	......	......	......	......	......	......	4.38	......	1.66	1.0	14	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	25	48.4	+5.8	74	21	25	17	38	8.25	+5.14	1.55	0	13	14	4	13	......	White Sulphur Spgs. inc
Williamson	Mingo	673	35	50.3	+3.6	72	15	18	1	40	11.87	+7.47	2.53	2.5	17	6	8	17	nw.	J. E. Dotson
State averages and	extremes	......	......	48.7	+6.3	86	16†	10	1	56	5.51	+1.59	3.62	1.8	14	9	8	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days: for example, ^{b} represents two days, etc.

Daily Precipitation for March, 1935

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac			.38								1.20	.61	.24	.46						.20	.27		.32		.42			.26			.22	4.58
Brandywine	do					T.		T.	T.		.10			1.07						T.				.35		.50			.15			.50	2.67
Circleville	do					.09		.12				1.14	.78	.53	.09			T.			.27	T.	.13	.11	.54	.36	.20		T.	.19		.55	5.10
Harpers Ferry ‖‖	do																																
Kearneysville	do					T.		.09			.32	.20	.56	.33	.06							.06		.20		.33			.44			.22	2.81
Martinsburg ‖‖	do						.02		.05			.46	.32	.30	.05	T.					T.	.10		.05	.10		.20		T.	.32		.12	2.09
McNeill	do				T.	T.		.12	T.		.16	.19	.62	.28	T			T.		T.		T.		.27		.17			.22			.50	2.53
Piedmont	do							.09			.37	.10	.20	.13	T.					.01	.01	.16		.08		.23			.17			.28	1.83
Romney‖‖	do		.01				.05			.21	.18	.50	.30		.05					.01	.02	.10		.05		.13			.30			.35	2.26
Stony River Dam	do								T.			.79	.58	.16	.16			.10						.47	.37	.02	.30					.28	3.23
Upper Tract	do					T.					T.	.31		.56						T.	.05			.43		.40	T.		.06			.52	2.33
Wardensville‖‖	do					T.		.03	.03			.24	.45	.52	T.							.15		T.	.03	T.	.08		.04	.08			1.65
Northern Division																																	
Aberdeen	Monongahela			T.		T.		T.	T.		.45	1.22	1.03	.31	.02			.04		.08	.16	.10	T.	.44	.13	.14			.46			.41	4.99
Alma (near)	Ohio			.01				.05			.40	.98	.84	.02				.07		.04		.39		.06		.22			.19			.10	3.37
Alpena	Monongahela			.08		.04		.04	T.		.78	1.24	.83	.16	.08			.69		.12	.19	.33		.82		.30			.36			.80	6.86
Benson	do							.02	.04		.41	1.45	1.05	.25	.05			.07		.12		.32		.33	.18	.12			.20			.28	4.89
Bens Run	Ohio					T.		.13			.45	1.01	.9	T.						.08	.21	.46		.21		.32						T.	3.79
Brownsville	Monongahela								.03		.42	1.30	1.05	.22	.05			.03		.13	.16	.02		.43	.07	.18			.32			.49	4.90
Buckhannon	do			.20				.05	T.		.60	1.25	1.00	.22	.06			T.		.20		.20	T.	.93		.22			.22			.96	6.11
Cairo	Little Kanawha										.52	1.55	1.15		.14			.15			.24	.28		.45	.24	.40			.13			.26	5.51
Clarksburg‖‖	Monongahela			.03		T.		.02				1.44	1.06	.20	.04	T		.05		.01	.31	.14			.24	.07	.12		.02	.20		.16	4.11
Crawford‖‖	do					T.	.03	.07			.64	1.11	.96	.17	.10			.06		.40		.05	.09	.29		.58			.33			.63	5.51
Creston‖‖	Little Kanawha					.02		.12				1.48	1.35	.23	.06			.18		.03	.20		.09		.50	.73	.06			.23		.31	5.59
Dam 10, Mon. R.‖‖	Monongahela			.03				T.	.04			.96	1.16	.24	.03			.09		T.	.27	.06	.58	.17	.04		T.		.21	.37		.04	4.29
Dam 13, O. R.‖‖	Ohio						.01	.26	.06			.60	.84	.05	.02			.02		.03	.31	.06		.30	.16				.03	.14			2.89
Dam 15, Mon. R.‖‖	Monongahela			.10		.03		.06	.08	T.		.93	1.18	.08	.03			.08		T.	.32	.10	.21	.13	.03		.22		T.	.31		.09	3.98
Davis ‖‖	do				.20	.10		T.	T.			1.60	.90	.46	.35			.05			.10		.92	.15	.47	.39	.05	.30		.64			6.68
Elizabeth(D'm 3 LK)	Little Kanawha							.16	.02			1.64	1.40	.11				.23			.16	.07		.04	.80	.66				.08		.26	5.63
Elkins***	Monongahela			.04		.04	.02	.05	.05		.88	.68	1.03	.06	.08			.13		.25	.03	.41	.01	.61		.27			.39		.03	.85	5.91
Fairmont‖‖	do		.05		.06	T.			T.		1.11	1.05	.03	T.						.35	.18	.07	.13	.03	.12	.11		.13	.18			.22	3.82
Glenville ‖‖	Little Kanawha					.22		.06	.04			1.43	1.17	.70	.12			T.		.03	.40	.06	.03	T.	.42	.55	.08		T.	.26		.47	6.04
Grafton ‖‖	Monongahela			.85		T.		.40			1.50	.65	1.00	.30				T.		.25				.78		T.			.73			.31	6.77
Hastings	Ohio			.10				.13			.40	.96	1.08	.06	.04			.10		.08	.28	.70		.62	.02	.24			.22			.08	5.11
Horner	Monongahela			.10		.03					.40	1.21	1.05						.10		.40		.05	.50	.03	.15			.25			.70	4.97
Horton	do					.04		.03			.37	.89	.72	.18	.08			T.				.37	T.	.43		.50			.24			.62	4.47
Janelew (near)	do								.10		.40	1.25	1.08	.20						.18		.22		.50	.20	.17			.42			.47	5.19
Lost Creek	do			.03		T.		T.	.02		.49	1.38	1.06	.20	.04			.04		.03	.08		.07	.40	T.	.15			.27			.17	4.43
Mannington	do			.11		.01		.12	.04		.43	.77	.99	.20	.06			.13		.12	.23	.43		.21		.22			.24			.08	4.39
Morgantown	do																																
New Cumberland‖‖	Ohio						.01	.09	.15	T.		.61	.67	.03	.01			.05	.01	.14	.24	.45		.13	.62	.01			.03	.11			3.36
New Martinsville	do							.25	T.		.48	.95	.80	T.	T.					.10	.25	.38		.18		.30			.12				3.81
Parkersburg***	do			T.		T.	.14	.05	T.		.66	1.37	.51	T.	.01			.03		.20	.01	.21	.05	.29		.48			.09		.02	.08	4.20
Parsons	Monongahela			1.40			T.	T.			*	1.90	1.20	T.	T.			T.		.15		.15				.17			.29			.90	6.16
Parsons No. 2	do			T.		T.			T.		.65	1.16	.85	.22	.11			T.		.10	.13	.30		.53		.23			.38			.60	5.26
Philippi	do			.05		.02		.02	.05			1.50	.97	.28	T.			.07			.30	.02	.50		.51	.09	.02			.48		.41	5.29
Pickens	do			.82		.12	.06	T.			1.12	1.71	.90	.10	.08			.45		.10	.24	.31		.75		1.38			.50			.70	9.34
Reedsville	do			.28				.13	T.		.78	.86	.57		.04			.17		.27	.10	.11		.07	.05	.20			.27			.15	4.05
Roanoke	do			T.		.01			T.		.51	1.10	1.00	.25	.04					.17	.04	.11		.44		.35			.20			.64	4.86
Saint Marys‖‖	Ohio			.04		T.		.17				1.25	1.24	.04	.02			.06		.04	.20	.24			.22	.28			.15			.10	4.05
Terra Alta	Monongahela																																
Thomas ‖‖	do			.02		T.	T.					1.56	1.08	.45	.12	T.		.02			.25		.17	.20	.49		.30			.30		.08	5.04
Valley Chapel	do							.03	T.		.39	1.37	1.00	.20	.05			.09		.12	.19	.20		.51	.20	.16			.30			.30	5.11
Vandalia	do										.52	1.11	1.07	.15							.35			.51		.33			.28			.70	5.02
Wellsburg	Ohio							.10			.27	.64	.83					.11		.33		.21		.51		T.		.21	24			.05	3.50
West Milford	Monongahela		.90				.08				.50		1.38	1.00		.10			.40					.50		.20			.30			.35	5.71
Weston	do					.02	T.	T.			T.	1.30	1.20	.08	.06			.05			.30	T.	T.	.04	.45	.06	.10			.33		.22	4.21
Wheeling(Dam 12)‖‖	Ohio			.02			T.	.21	.06			.66	.90	.11	.11			.06		.03	.28	.06	T.	.21	.71	T.			.01	.18		T.	3.61
Woodlands‖‖	do			.01			.02	.17	.02			.95	.76	.03	.06			.06		.02	.32	.18	.20	T.	.07		.16		T.	.12		T.	3.15
Southern Division																																	
Arbovale	Great Kanawha					.30	T.	.07	T.		1.30	.06	.81	.16	.09			.10		.05		.13	.35	.83		.79			.35			.60	5.99
Bancroft ‖‖	do					.04		.14				1.84	1.43	.14				.20			.38	.10			.73	1.03			.30			.77	7.10
Beckley	do					.44	.11		T.		.50	.72	1.05	.24	.10			.06		.19	.45	.49	.45	.84		1.28	.51		.63			1.87	9.84
Bluefield	do					.16	.19					.25	.80	.15	.10				.18		.38	.02	.18	.08		3.58	.63		.22				6.92
Camden-on-Gauley	Gauley			.05		.17		.06				1.46	1.20	.22	.17			.10			.31		.34	.40	1.32	.75	.13		.01	.31		.62	7.62
Charleston	Great Kanawha					.04		.04	T.		.25	1.34	1.25	.19	.09					.13	.46	.01	.06	.67		.93			.43			.65	6.54
Clay‖‖	do			.10		.09		.07	T.	T.	.09	1.06	1.22	.39	.09					T.	.40	T.	.02	.08	1.10	.49	.24			.28		.42	6.14
Dam 3 G. K. ‖‖	do					.08						.85	1.68	.11	.12			.05	.05		.67		T.	.24	.72	.55	.45		.02	.32		.46	6.37
Dam 6 G. K. ‖‖	do							.04				1.02	1.65	.11	.08			.05			.51			.08	.70	.65	.27			.30		.45	5.91
Dam 19 O. R. ‖‖	Ohio			T.		T.	T.	.21	.01	T.	T.	1.21	1.15	.03	.01	T.		.03	T.	.01	.18	.32	T.	.06	.35	.48	.12		.07			.06	4.30
Dam 20 O. R. ‖‖	do					T.		.24	T.			1.56	1.65	.06	.02			.02		.04	.10	.12		.04	.48	.60	.12		.10			.18	5.33
Dam 25 O. R. ‖‖	do			T.				.32			T.	1.35	1.52	.07							.20	.12	.02	T.	1.43	.53	.04		.14			.30	6.04
Dam 26 O. R. ‖‖	do			.03				.23				1.50	1.52	.08	.09			.05			.28	.08			1.08	.65	.06		.10			.46	6.21
Gary ‖‖	Big Sandy		.03			.12	.01	.15			.01	.39	.98	.16	.17			.11			.45	.12	.06	.23	.80	2.00	.88		.01	.28		.84	7.80
Hinton‖‖	do					.21	.02	.02	T.	T.	T.	.44	.94	.15	.06	T.		.04	T.		.50		.34	.48	.73	.78	.78		.11	.20		1.20	7.00
Huntington	Ohio					T.	T.	.28	T.		.44	1.41	1.37	.08	T.			.08		.03	.28	.01	.02	.45		.93	.03		.25			.78	6.43
Kanawha Falls‖‖	Great Kanawha					.16		.02				.73	1.75	.35	.15			.02	.05		.79		.07	.47	.67	.25	.64			.17		.48	6.77
Kayford‖‖	do					.10		.01	T.			.74	1.85	.22	.12				.18		.69		.30	.14	.60	.75	.45		T.	.20		1.32	7.67
Kingston	do										1.00	1.00								.25		.50	.25	1.00								3.00	7.00
Lewisburg	do					.03	T.		T.		.17		3.62	T.				T.		.01	.49	T.	.70	.63	.60	.80	.40		.23			1.89	9.57
Logan‖‖	Guyandotte					.08		.12				1.40	1.97	.32	.13			.12			.72	T.	.11	.04	1.12	1.42	.62		.22	.05		2.15	10.59
Madison	Great Kanawha				.09		.02				1.50	1.40	.25	.15			.14			.52	.02	.12	.08	.65	1.00	.14		.28	.14		1.00	.40	7.90
Marlinton	do	.07	.05										.10				T.	T.	.12	.09	T.	T.	.43	.31	1.17	T.	.23	1.36	1.05	T.	.87	.25	6.13
Point Pleasant‖‖	Ohio			.04				.28	.04			1.38	1.58	.08	.04			.08		.01	.28	.28	.04		1.64		.04		.16	.01		.40	6.38
Rainelle	Meadow Creek						.05	T.	.04		.47	.83	.85	.18	.13	T.	.16			.03	.72	.16	.66	1.42	.05	.92	.06		.52			2.13	9.38
Ravenswood(Dam 22	Ohio‖‖							.27				1.37	1.54	.10	.05			.10		T.	.12	.05	.04	.02	.81	.57	.12		.15	.05		.25	5.61
Richwood	Great Kanawha					.03	.01	.02	.02		.63	1.10	.98	.26	.02			.12		.05	.06	.15	.05	1.35	.03	.77	.02		.30			.95	6.92
Robertsburg‖‖	do			.04		.01		.14	T.			1.76	1.35	.07	.09			.05			.32	.35	T.	.01	1.10	.60			.19	T.		.68	6.76
Ryan	do			.10		.03		.13	.02		.55	1.29	1.40	.08	.10					.02	.29	.19	.02	1.30		.54			.35			.95	7.36
Sharples‖‖	Coal River					T	T.		T.			1.78	1.52								1.28			1.20		.91	.50				.90	1.10	9.19
Spencer ‖‖	Great Kanawha	.20				.15		.11	T.			1.50	1.12	.08	.26			.07		T.	.23	T.	.18	T.	.57	.55	.11		.26	.04		.60	6.03
Summersville	do					.11		.02				1.49	1.18	.31	.16			.05			.45		.14	.36	1.09	.66	.18			.32		.72	7.24
Sutton	Gauley			.10		.10		.10	.08		.40	1.35	1.05	.40	.10			.10		.10	.20	.10		.70		.85			.30			.60	6.63
Thornwood	Great Kanawha			.30							1.30	1.10									.10			.90	.90	.10			.40		.10	.70	5.90
Union	Gauley																																
Wayne‖‖	Big Sandy					.01		.13				1.65	1.66	.25				.10			.44		.09	.04	.47	1.02	.09		.45			.98	7.38
White Sulpr. Spgs.‖‖	Great Kanawha				.45		.25				.75	1.00		.10						.45		.40	.45	.90		.50		.10			1.55	1.35	8.25
Williamson‖‖	Big Sandy					.11		.29	T.			1.04	2.01	.35	.13			.11			.47	.08	.29	.02	.59	2.53	1.32		.32	.13		2.08	11.87

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	49	54	55	61	65	62	60	53	43	50	55	60	32	30	65	77	71	45	55	64	64	61	63	57	55	54	65	60	55	63	58	56.8
	Minimum	19	38	39	30	34	51	43	20	11	18	45	28	18	25	20	50	31	17	25	42	44	30	40	39	31	32	22	32	31	38	35	31.5
Brandywine	Maximum	50	61	64	60	66	72	68	60	47	45	57	60	57	52	67	78	67	50	55	73	72	64	65	65	62	60	70	60	62	70	60	61.9
	Minimum	18	31	33	30	40	42	45	30	19	28	35	40	36	22	24	45	37	19	32	40	42	44	50	41	40	38	35	38	29	40	41	35.0
Kearneysville	Maximum	50	62	58	51	55	74	67	42	42	52	61	60	37	45	57	70	65	50	52	65	76	76	63	68	57	56	65	60	63	72	64	59.2
	Minimum	27	37	43	32	33	47	41	31	17	28	44	33	26	30	26	48	49	26	31	42	40	43	45	45	40	34	28	45	36	43	37	36.4
Martinsburg*	Maximum	52	64	60	53	57	75	53	44	45	55	62	50	40	46	60	64	64	60	55	66	78	66	68	69	60	60	66	56	67	75	..	59.7
	Minimum	24	29	40	30	32	35	44	33	19	20	30	32	28	29	26	31	40	26	28	30	45	45	46	47	44	34	29	30	40	45	38	33.8
McNeill	Maximum	60	60	62	58	68	72	65	50	49	51	61	59	39	40	73	84	77	51	61	69	70	67	71	67	54	61	73	67	65	67	64	62.4
	Minimum	20	32	36	28	35	46	46	29	15	25	48	33	26	32	23	50	42	22	30	43	50	39	45	37	40	40	25	44	29	39	39	35.1
Piedmont	Maximum	55	58	58	54	69	68	46	43	45	51	59	48	35	35	70	82	56	46	50	65	71	64	69	60	46	60	67	51	61	68	48	56.7
	Minimum	21	42	40	35	35	46	43	26	16	25	48	33	25	32	26	41	39	24	29	44	49	38	44	46	42	38	28	42	34	38	42	35.8
Romney	Maximum	58	61	61	59	72	65	47	41	43	59	59	39	39	37	67	86	73	47	47	63	74	74	70	68	64	58	68	68	68	71	69	60.5
	Minimum	22	35	32	34	47	43	28	31	24	40	25	26	28	31	25	30	40	23	38	42	40	31	40	46	41	32	25	32	33	31	37	33.3
Upper Tract	Maximum	56	57	58	59	67	..	68	62	48	47	59	..	37	35	71	79	77	46	55	63	69	66	65	63	59	59	64	63	..	64	62	59.9
	Minimum	20	32	43	29	46	..	47	29	18	31	44	..	23	32	26	53	41	20	35	44	55	45	47	45	41	37	30	45	..	36	39	36.9
Wardensville	Maximum	53	..	61	58	66	72	47	46	43	49	60	49	36	39	68	80	59	59	55	68	71	67	70	67	49	57	69	63	63	..	69	59.1
	Minimum	19	27	..	31	35	45	46	30	14	25	35	40	21	29	24	37	48	24	32	42	42	40	44	40	41	38	27	41	35	35	..	34.0
Northern Division																																	
Alpena	Maximum	49	53	51	56	62	62	59	49	47	41	55	59	30	30	64	74	70	49	53	65	63	59	60	56	50	52	67	60	54	59	56	55.3
	Minimum	16	37	40	30	45	48	42	20	15	28	35	28	11	23	14	48	29	16	31	39	51	40	40	36	35	35	25	33	31	33	42	32.1
Bens Run	Maximum	45	52	53	57	59	65	60	42	47	50	56	56	39	40	69	71	70	46	50	66	66	64	61	61	57	55	66	66	59	59	57	56.9
	Minimum	15	37	43	39	54	48	41	30	24	35	49	31	28	33	31	59	37	26	39	47	57	44	51	42	45	38	36	43	34	43	49	39.6
Buckhannon	Maximum	53	57	58	67	69	67	65	50	53	54	59	63	37	38	69	79	75	53	59	68	68	66	66	61	59	58	70	60	60	67	65	61.1
	Minimum	23	40	42	37	49	47	44	26	23	27	40	31	23	31	28	53	38	23	34	43	56	48	45	42	40	36	33	39	30	39	50	37.4
Cairo	Maximum	57	63	64	65	69	72	68	56	42	55	55	63	39	41	66	77	79	45	52	63	70	68	64	68	59	61	66	75	58	60	67	61.5
	Minimum	21	32	39	33	49	42	48	30	17	28	48	33	27	32	27	47	38	18	35	46	54	45	45	38	44	34	30	40	26	28	32	35.7
Clarksburg *	Maximum	54	60	56	68	69	69	63	46	55	54	62	53	37	38	72	78	65	53	57	71	68	66	66	61	57	59	74	52	61	67	54	60.2
	Minimum	15	34	39	32	38	44	42	29	22	26	35	35	25	26	26	35	44	26	29	42	48	46	48	39	44	35	30	41	27	38	44	35.0
Creston	Maximum	56	64	60	67	72	67	65	47	55	52	56	54	40	42	75	80	74	55	52	72	72	65	68	60	62	63	70	74	65	66	66	62.5
	Minimum	22	31	38	35	56	44	46	30	20	37	48	30	26	31	26	49	37	19	38	46	54	48	46	40	45	38	33	40	27	34	49	37.5
Elkins	Maximum	52	56	55	62	66	66	62	34	49	54	63	57	33	33	69	78	62	52	58	69	68	56	65	58	54	54	72	55	58	63	56	57.7
	Minimum	20	43	36	35	53	50	34	24	23	34	52	22	21	23	23	56	29	22	39	46	53	46	46	40	41	33	30	34	31	46	47	36.5
Fairmont	Maximum	57	63	63	69	68	70	68	47	61	54	60	54	38	45	75	83	62	59	57	74	70	69	68	60	58	68	78	55	66	70	54	62.7
	Minimum	16	33	43	36	41	50	45	27	22	27	40	35	25	27	28	41	42	26	33	45	50	43	49	42	45	38	31	38	32	41	50	36.8
Glenville	Maximum	57	64	64	68	71	72	67	55	58	57	60	66	41	40	75	86	80	57	57	73	73	68	69	65	62	63	75	75	65	69	67	65.1
	Miuimum	23	32	39	36	57	45	49	31	22	30	49	32	26	32	28	59	41	20	42	48	59	50	47	42	46	36	34	41	29	37	51	39.1
Grafton	Maximum	55	58	56	64	67	67	66	55	52	52	55	54	36	35	69	80	70	58	56	69	68	66	64	61	58	61	74	72	61	68	63	61.0
	Minimum	25	30	42	36	49	44	45	27	20	28	50	36	25	25	28	51	50	26	33	46	56	42	48	38	42	38	31	38	28	38	46	37.5
Hastings	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Lost Creek	Maximum	54	61	59	66	69	66	64	54	59	53	55	53	35	37	73	76	75	56	53	72	68	67	66	59	58	62	74	72	60	63	62	61.3
	Minimum	22	40	41	32	52	48	41	26	19	24	49	30	23	30	25	55	37	18	35	44	46	54	46	38	41	34	29	38	29	33	49	36.4
Mannington	Maximum	52	58	57	66	68	67	63	48	52	50	57	62	37	36	69	77	73	52	54	67	69	66	67	62	57	56	70	67	59	66	60	60.1
	Minimum	20	29	37	31	51	43	42	26	18	27	49	30	25	32	27	47	35	25	31	45	53	37	49	37	41	33	28	39	27	36	47	35.4
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Miuimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland*	Maximum	52	61	49	64	72	60	52	40	46	51	56	46	40	40	72	80	60	51	51	66	66	68	70	68	59	55	70	54	63	60	58	58.1
	Minimum	19	32	33	30	37	44	37	24	19	23	36	31	24	25	29	39	37	20	28	41	47	32	33	38	38	33	28	32	37	37	41	32.4
New Martinsville	Maximum	55	62	61	67	72	68	62	45	56	51	57	58	45	40	74	78	74	55	52	73	70	70	68	64	60	60	77	72	62	67	61	62.5
	Minimum	25	33	40	35	56	45	44	27	20	34	48	30	27	33	29	57	35	23	39	46	55	40	31	39	44	38	32	40	30	41	49	37.6
Parkersburg	Maximum	56	64	57	67	72	66	61	36	54	53	62	38	43	41	75	78	69	50	51	68	69	66	68	60	59	59	74	64	62	66	62	60.3
	Minimum	30	45	43	42	58	52	36	27	23	39	38	29	28	32	33	61	31	24	43	48	53	49	54	43	45	37	38	41	36	47	51	40.5
Parsons	Maximum	54	60	62	65	63	68	64	44	51	79	62	66	50	45	72	85	64	53	60	73	76	62	63	58	54	59	74	55	61	66	58	62.1
	Minimum	20	32	39	34	51	50	42	25	21	27	57	26	24	22	22	44	30	22	33	45	52	42	40	38	40	33	30	36	30	37	45	35.1
Pickens	Maximum	47	56	51	61	64	63	43	..	50	50	57	56	40	40	66	75	63	59	55	59	64	54	61	56	57	45	72	58	57	64	59	56.7
	Minimum	15	32	40	35	47	40	21	..	12	20	46	25	15	18	15	49	28	16	35	40	49	45	48	37	40	36	30	32	23	38	45	32.4
Reedsville	Maximum	50	56	53	65	66	65	62	50	51	49	55	60	32	32	67	78	64	50	57	67	67	65	63	59	54	53	70	70	56	63	56	58.2
	Minimum	13	28	35	32	52	42	40	22	11	24	48	27	21	28	19	48	32	20	29	29	52	33	48	34	33	36	24	34	25	33	42	32.1
Wellsburg	Maximum	51	61	58	66	78	73	66	50	50	49	58	54	39	39	72	78	70	52	57	67	74	67	68	63	58	59	72	63	62	61	57	61.0
	Minimum	22	30	34	28	41	43	38	33	15	27	47	30	24	32	27	52	34	20	31	31	53	30	45	36	39	30	25	39	28	37	44	33.7
Weston	Maximum	52	65	60	70	70	70	70	68	60	50	60	60	58	40	40	82	75	80	58	56	72	70	65	70	68	60	62	78	76	62	60	64.1
	Minimum	30	38	40	40	60	50	50	28	28	30	48	50	25	32	33	60	40	45	28	45	50	60	50	50	40	50	40	30	30	30	45	41.1
Wheeling(Dam 12)	Maximum	49	60	47	65	65	61	54	41	48	51	57	33	39	40	69	74	43	52	50	67	66	67	66	58	58	56	73	55	62	55	58	56.1
	Minimum	19	33	37	35	37	41	41	21	20	21	32	26	26	34	30	39	25	25	25	44	35	35	35	39	35	31	31	32	35	38	44	32.3
Southern Division																																	
Beckley	Maximum	51	58	58	63	64	62	65	50	44	50	59	58	38	36	69	73	67	52	51	64	65	58	67	59	60	62	71	60	59	61	64	58.6
	Minimum	22	33	49	41	46	46	44	24	21	29	46	26	19	26	24	50	32	16	33	47	54	43	41	44	48	37	36	33	26	37	47	36.1
Bluefield	Maximum	50	53	..	61	63	61	65	64	41	..	66	63	35	39	67	73	..	73	53	60	70	61	68	..	65	62	70	66	59	61	..	60.4
	Minimum	24	36	..	41	51	48	46	28	25	..	38	36	22	31	30	52	..	21	36	46	58	46	46	..	49	43	43	38	31	42	..	38.7
Charleston	Maximum	58	64	66	69	71	71	67	53	55	55	59	67	45	42	75	80	60	60	59	74	74	69	73	62	65	72	76	77	64	69	65	65.0
	Minimum	27	37	48	45	53	50	51	34	29	42	42	33	29	30	32	50	42	56	45	51	59	55	51	48	51	45	42	42	34	41	54	43.5
Gary *	Maximum	55	60	63	66	68	61	70	45	52	59	65	59	52	40	71	76	48	57	57	65	71	59	70	65	64	65	73	57	62	65	69	61.6
	Minimum	10	22	33	39	48	45	43	34	29	30	40	50	27	28	28	33	41	23	24	35	47	50	45	49	53	46	41	45	30	31	36	36.6
Hinton *	Maximum	60	65	64	65	69	62	73	44	52	44	57	50	44	51	76	81	54	58	54	66	71	54	62	65	65	69	77	54	57	67	61	61.0
	Minimum	15	29	31	37	38	45	44	33	29	31	35	44	27	28	28	33	40	25	27	38	48	49	42	45	48	47	41	42	31	32	32	35.9
Huntington	Maximum	58	66	63	71	72	70	61	42	58	56	62	62	45	45	77	79	74	58	55	73	72	66	74	65	64	65	79	74	65	67	66	64.6
	Minimum	29	46	51	43	60	51	42	33	26	42	50	31	31	34	32	60	40	25	45	50	60	59	52	48	51	43	45	43	34	38	55	43.5
Lewisburg	Maximum	56	62	63	65	67	62	71	57	49	46	42	47	42	39	74	79	67	53	52	64	72	64	65	60	63	66	72	64	63	65	67	60.6
	Minimum	11	26	32	33	46	41	47	30	26	25	31	38	23	30	22	35	39	18	31	43	45	44	38	41	44	41	36	40	24	28	49	34.1
Madison	Maximum	59	64	66	72	71	62	67	37	58	53	53	37	36	53	77	80	47	63	56	73	72	64	74	62	64	66	78	55	65	68	68	61.9
	Minimum	32	32	33	52	45	46	23	23	23	24	24	24	24	29	29	43	23	31	47	49	51	50	45	45	43	39	41	30	34	44	53	36.8
Marlinton	Maximum	40	46	50	58	56	56	58	54	48	52	52	58	58	60	64	64	70	64	60	60	56	56	50	50	58	60	62	62	58	60	64	56.9
	Minimum	28	30	34	38	48	46	42	38	38	36	36	36	32	30	40	44	30	38	42	48	48	48	36	40	46	50	50	44	46	46	52	40.6
Point Pleasant	Maximum	58	65	63	72	73	71	64	45	57	55	55	53	41	46	74	77	75	54	52	74	72	66	62	60	61	63	78	76	64	66	67	63.2
	Minimum	26	38	45	50	50	47	44	31	20	38	48	30	30	31	34	60	39	23	38	48	61	51	50	45	48	38	40	41	33	40	51	40.9
Rainelle	Maximum	52	58	59	59	63	62	65	57	45	45	57	57	37	37	69	74	47	55	60	63	61	60	66	58	59	61	68	68	59	61	62	58.2
	Minimum	14	26	30	32	49	39	44	26	24	29	41	29	21	26	21	33	17	32	34	36	44	42	36	45	44	40	32	35	24	26	36	32.5
Ravenswood	Maximum	56	63	65	68	70	69	66	48	54	55	57	56	42	43	73	76	75	55	55	71	75	71	69	65	61	63	73	76	62	67	67	63.4
	Miuimum	26	34	43	40	52	45	45	30	23	39	48	29	29	32	33	49	38	21	43	43	61	52	62	59	44	38	38	41	31	37	57	40.7
Richwood	Maximum	48	56	56	60	65	62	65	61	43	52	59	59	37	37	69	77	75	50	54	68	67	58	68	58	59	60	69	69	60	63	61	59.5
	Minimum	18	29	34	39	49	41	47	27	26	27	48	29	14	27	24	37	24	26	20	46	53	44	41	44	45	41	35	36	27	32	48	34.8
Robertsburg*	Maximum	58	73	68	70	60	66	61	55	58	55	63	52	43	45	75	80	51	58	54	74	68	67	68	59	60	64	78	56	65	67	65	62.5
	Minimum	18	33	44	41	44	46	49	33	22	23	43	36	29	32	31	43	41	22	24	48	52	53	51	45	45	41	41	42	31	36	43	38.1
Ryan	Maximum	53	60	58	65	66	65	60	39	55	44	60	56	36	70	70	75	60	60	50	70	65	65	60	56	56	65	75	65	60	65	60	60.1
	Minimum	16	25	35	33	45	39	39	26	17	34	43	30	22	39	35	38	32	15	43	43	50	41	43	37	42	34	32	32	23	30	46	34.2
Spencer *	Maximum	57	62	58	67	71	67	59	51	55	55	65	45	40	45	75	80	58	58	53	73	72	62	66	60	61	62	75	56	63	67	66	61.4
	Minimum	25	42	47	40	55	50	51	32	24	41	45	36	27	32	30	58	40	20	44	49	62	54	51	43	49	41	37	42	30	41	51	41.6
Sutton	Maximum	56	62	62	67	69	69	66	65	57	57	58	58	40	40	75	82	82	55	55	72	72	68	67	67	60	60	75	75	63	67	67	64.1
	Minimum	21	33	42	37	34	44	48	30	27	27	49	33	25	32	26	46	39	21	43	48	48	50	60	44	46	36	35	40	28	34	50	37.9
White Sulphur Spgs.	Maximum	58	62	64	62	66	64	72	37	45	52	58	54	41	45	72	55	55	51	57	69	74	57	63	62	59	68	69	58	62	68	58	59.3
	Minimum	29	35	39	45	45	45	34	32	29	38	50	26	30	28	35	32	25	36	41	52	55	37	41	42	40	38	41	28	29	40	43	37.4
Williamson*	Maximum	57	63	66	64	62	61	62	52	51	56	62	55	42	42	72	64	51	62	54	67	69	64	64	63	63	69	63	52	57	64	67	60.0
	Minimum	18	28	41	43	44	48	49	35	29	34	48	40	29	32	32	39	45	28	29	50	53	55	54	51	53	47	44	46	34	38	44	40.6

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-6-35—900)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., APRIL, 1935 No. 4

GENERAL SUMMARY

The past month was unusually cold, being the coldest April since 1928, and the eighth coldest of State record. Exceptionally cold weather prevailed during the middle of the second decade, temperature readings were the lowest of record for so late in the season on the morning of the 16th, when heavy to killing frosts were general over the State, causing great damage to early fruit where more advanced. A low temperature of 13° was noted at Alpena and Pickens on the morning of the 16th. April was slightly drier than usual, most of the month. The snowfall averaged much above the normal and was heavy in the mountain regions. The falls were light to moderate over the western and central counties, where the snow melted as it fell. Dust, mostly light and unimportant, prevailed over some sections of the State on the 2d, 3d, 4th, 5th, 12th, 13th, 18th, 28th, and 29th. On account of the continued wet weather during the first half of the month, field operations were practically at a standstill; during the last half, plowing and seeding progressed rapidly, and wheat, rye, and pastures were in excellent condition and making good growth. Potatoes were planted in most sections.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 49.8°, or 2.0° below the normal. Moderately warm weather prevailed on the 1st and 2d, 4th and 5th, 19th to the 21st, and from the 24th to the 29th, with the highest readings generally on the 26th and 27th. Temperatures were nearly continuously low from the 6th to the 18th, the lowest temperature being noted generally on the 16th and 17th. The highest monthly mean temperature was 55.8° at Charleston, and the lowest, 42.9° at Alpena and Bayard. The highest temperature was 92° at Martinsburg on the 27th, and the lowest was 13° at Alpena and Pickens, on the 16th, making the monthly range for the State, 79°. The greatest daily range was 56° at McNeill of the 26th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 3.45 inches, which was 0.06 inch less than the normal. Precipitation occurred almost daily during the first half of the month, and from the 28th to the 30th, the greatest amounts being measured on the 1st, 6th, and 8th. The average snowfall for the State, 2.7 inches, was 0.8 inch more than the normal. The snowfall was unusually heavy in scattered localities of the mountain districts. The greatest monthly precipitation was 10.62 inches at Davis, and the least, 1.54 inches at New Cumberland. The greatest amount in any 24 consecutive hours was 2.58 inches at Bluefield on the 1st. The average number of days with .01 inch or more of precipitation was 13.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Hardy, 7th and 8th; Kanawha, 7th; Lewis, 5th; Preston, 15th; Randolph, 5th; Wirt, 29th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Creston and Glenville, 18th; Hinton, 6th; Huntington, 12th and 18th; Parkersburg, 18th; Pickens, 6th and 17th; Stony River Dam, 4th, 5th, and 7th.

Halo, lunar: Aberdeen, 21st.

Sleet: Alpena, 18th; Beckley, 13th; Brandywine, 7th and 9th; Elkins, 7th and 8th; Hastings, 16th; Hinton, 4th; Horton, 7th; Mannington, 8th; McNeill, 7th and 8th; Reedsville, 8th; Stony River Dam, 17th; Upper Tract, 7th and 8th.

Thunderstorms (dates and number of stations reporting): 5th, 6; 6th, 1; 27th, 1; 29th, 13; 30th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.95	30.24	3	29.62	7	7.8	28	w.	15	77	59	64	50
Columbus, Ohio	29.95	30.21	3	29.57	15	8.9	43	sw.	27	74	60	63	41
Elkins	29.97	30.27	26	29.64	15	6.8	34	nw.	30	80	59	67	38
Parkersburg	29.97	30.25	26	29.68	15	6.8	30	w.	15	74	58	64	47
Pittsburgh, Pa	29.95	30.28	26	29.52	15	10.6	38	w.	15	75	56	66	42
Wytheville, Va	29.90	30.18	26	29.53	19	7.4	37	w.	15	79	62	68	40

COMPARATIVE DATA FOR APRIL

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	52.0	+0.2	.....	.....	2.81	−0.70	.....	.....	.....	....	....	....	....
1892	50.6	−1.2	87	17	4.28	+0.77	.....	.....	.....	7	....	....	....
1893	53.4	+1.6	92	20	5.18	+1.67	8.98	2.91	0.8	14	8	8	14
1894	50.6	−1.2	90	14	3.32	−0.19	5.30	1.97	1.6	11	12	8	10
1895	52.9	+1.1	90	17	2.93	−0.58	5.47	0.90	.....	9	11	9	10
1896	57.7	+5.9	95	12	2.06	−1.45	4.35	0.82	.....	8	13	12	5
1897	51.5	−0.3	90	19	2.97	−0.54	7.10	1.58	.....	9	11	10	9
1898	48.0	−3.8	86	2	3.14	−0.37	4.86	1.40	.....	11	10	9	11
1899	53.4	+1.6	93	18	1.84	−1.67	3.17	0.92	0.5	7	13	9	8
1900	51.8	0.0	88	16	1.35	−2.16	2.08	0.43	T.	8	14	7	9
1901	47.5	−4.3	95	18	7.05	+3.54	10.70	2.50	6.0	12	10	4	16
1902	49.8	−2.0	96	21	3.06	−0.45	4.57	1.53	10.0	7	10	10	10
1903	51.3	−0.5	91	8	4.47	+0.96	7.30	2.29	0.4	11	11	8	11
1904	47.7	−4.1	82	12	3.15	−0.36	5.71	1.12	1.3	12	9	9	12
1905	52.2	+0.4	89	14	2.78	−0.73	5.57	1.10	1.5	11	11	9	10
1906	54.1	+2.3	92	15	3.16	−0.35	6.59	0.57	0.3	8	15	8	7
1907	45.6	−6.2	92	10	3.49	−0.02	6.66	1.42	6.1	12	8	8	14
1908	54.8	+3.0	92	18	4.30	+0.79	8.02	0.77	0.3	11	13	8	9
1909	53.0	+1.2	93	10	5.04	+1.53	8.57	1.70	2.4	13	10	11	9
1910	53.2	+1.4	91	16	3.39	−0.12	9.07	1.63	0.6	11	10	8	12
1911	49.5	−2.3	88	6	4.29	+0.78	7.00	0.83	1.5	14	9	8	13
1912	55.4	+3.6	88	20	4.03	+0.52	8.00	1.09	0.2	10	11	10	9
1913	52.4	+0.6	92	12	2.99	−0.52	5.48	1.61	0.1	10	14	6	10
1914	52.1	+0.3	93	16	4.63	+1.12	10.05	1.29	0.1	11	10	9	11
1915	55.5	+3.7	101	10	1.93	−1.58	5.69	0.10	T.	7	15	8	7
1916	50.5	−1.3	90	17	3.07	−0.44	5.70	1.25	4.3	12	9	7	14
1917	51.7	−0.1	90	10	2.99	−0.52	5.31	1.29	1.8	9	13	8	9
1918	50.3	−1.5	85	18	5.11	+1.60	9.14	1.88	10.4	15	9	7	14
1919	51.8	0.0	90	10	2.44	−1.07	4.21	1.03	0.2	9	12	8	10
1920	49.7	−2.1	91	15	4.91	+1.40	7.26	1.64	1.2	14	8	7	15
1921	55.7	+3.9	95	10	2.50	−1.01	5.09	0.40	0.4	9	13	7	10
1922	54.4	+2.6	91	15	3.15	−0.36	6.76	0.50	0.1	9	13	7	10
1923	50.1	−1.7	88	− 4	3.45	−0.06	4.88	1.00	0.1	8	16	5	9
1924	50.5	−1.3	88	12	3.24	−0.27	6.37	0.72	3.6	12	12	6	12
1925	54.9	+3.1	101	6	2.89	−0.62	4.48	1.42	0.6	10	14	6	10
1926	47.1	−4.7	87	8	2.44	−1.07	5.54	0.80	2.5	10	10	8	12
1927	52.0	+0.2	91	16	5.93	+2.42	10.21	2.52	0.2	15	9	7	14
1928	48.6	−3.2	88	11	5.08	+1.57	8.00	2.57	11.4	12	11	7	12
1929	55.4	+3.6	94	18	4.54	+1.03	8.78	2.09	0.8	13	12	7	11
1930	53.2	+1.4	98	13	1.95	−1.56	4.16	0.39	1.0	9	14	7	9
1931	50.7	−1.1	88	18	4.12	+0.61	6.24	2.13	3.3	10	14	5	11
1932	50.9	−0.9	88	18	2.21	−1.30	4.42	0.57	0.8	10	15	5	10
1933	52.8	+1.0	91	19	4.08	+0.57	6.34	2.44	0.2	13	13	7	10
1934	52.8	+1.0	91	18	2.58	−0.93	4.93	0.80	1.2	11	12	8	10
1935	49.8	−2.0	92	13	3.45	−0.06	10.62	1.54	2.7	13	9	7	14
Period	51.8	......	101	− 4	3.51	....	10.70	0.10	1.9	10	11	8	11

Climatological Data for April, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	42.9	−0.8	81	26	15	15	53	3.68	−0.36	0.87	12.0	12	16	4	10	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	47.6	−2.3	82	27	20	16	50	2.95	−0.10	0.75	5.0	10	14	0	16	n.	Elmer Keister
Circleville	Pendleton	...	3	...	...	...	...	...	...	...	3.09	...	0.70	3.5	14	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	5	49.9	...	88	27	25	16	41	2.49	...	0.82	3.5	8	10	11	9	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	[a]50.8	−0.8	92[a]	27	26	16	49[a]	2.03	−1.14	0.72	1.0	13	16	13	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	48.6	−4.2	89	27	24	16	56	3.33	+0.38	1.15	5.0	12	5	4	21	w.	John W. McNeill
Piedmont	Mineral	1,053	22	48.8	−1.6	81	26†	21	16	48	2.53	−0.89	0.81	6.2	10	10	7	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	...	...	...	...	22	17	47	1.96	−0.96	1.20	T.	11	8	11	11	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	...	...	...	...	...	...	...	4.24	+0.49	0.68	24.0	10	5	2	23	w.	A. C. Becker
Upper Tract[a]	Pendleton	1,230	36	46.9	−2.5	79	27	21	16†	41	3.10	+0.80	0.75	5.5	10	10	7	12	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	[a]46.5	−3.1	84[a]	28	23[a]	16	48[b]	4.53	+2.02	0.91	9.5	12	10[a]	8[a]	11[a]	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	...	...	...	...	...	...	...	3.24	−0.56	0.43	0.6	16	7	9	14	w.	L. Else Bond
Alma (near)	Tyler	800	8	...	...	...	...	...	...	...	2.98	...	0.51	T.	13	11	5	14	...	D. N. Furbee
Alpena	Randolph	2,571	5	42.9	...	78	27	13	16	50	3.92	...	0.60	8.5	16	11	8	11	w.	Christian Hertig
Benson	Harrison	1,080	11	48.6	−0.4	88	27	19	16	55	2.94	−0.27	0.50	1.2	15	10	10	10	...	R. D. Marts
Bens Run	Pleasants	652	33	49.5	−3.3	79	26†	25	16	37	3.42	−0.29	1.03	T.	15	14	4	12	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	50.6	−1.7	85	27	22	16	50	2.89	−0.47	0.42	2.0	15	7	13	10	...	W. B. Worley
Buckhannon	Upshur	1,411	38	50.0	−1.1	84	27	20	16	42	3.10	−1.08	0.40	T.	15	11	9	10	...	H. A. Darnall
Cairo	Ritchie	680	34	51.4	−2.6	85	26†	21	18	52	3.28	−0.23	0.66	0	8	13	1	16	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	49.6	−1.6	85	27	21	16	49	2.64	−0.73	0.58	0.5	13	7	11	12	n.	Clarksburg Water Board
Crawford	Lewis	1,107	12	...	...	...	...	...	...	...	3.61	−0.62	0.60	1.6	16	6	13	11	w.	George W. Blair
Creston	Wirt	640	33	51.1	−2.3	89	26	23	16	55	4.35	+0.56	0.90	0	12	9	3	18	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	...	...	...	...	...	...	...	3.35	−0.12	0.66	0.5	13	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	19	...	...	...	...	...	...	...	2.94	−0.22	0.86	1.0	13	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	...	...	...	...	...	...	...	3.64	+0.35	0.68	1.0	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	26	...	...	...	...	...	...	...	10.62	+6.36	1.62	25.0	17	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	...	...	...	...	...	...	...	2.82	−0.48	0.82	1.0	12	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	34	51.4	−2.0	84	26	23	16	40	2.17	−1.02	0.64	1.0	13	7	9	14	nw.	U. S. Weather Bureau
Fairmont	Marion	883	29	51.8	0.0	89	26	21	16	53	3.19	−0.12	0.57	1.5	14	13	4	13	w.	J. C. Robinson
Glenville	Gilmer	738	41	52.8	−1.1	89	27	23	16	53	4.24	+0.48	1.49	1.2	11	10	4	16	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	48.9	−2.6	85	27	20	16	51	3.81	+0.12	0.83	0.5	11	9	2	19	...	W. E. Clayton
Hastings	Wetzel	...	...	52.1	...	86	27	25	16	46	3.40	...	0.50	0.5	15	9	7	14	w.	L. G. McIntyre
Horner	Lewis	1,044	12	...	...	...	...	...	...	...	2.76	−0.60	0.45	0	19	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	10	...	...	...	...	...	...	...	3.11	−0.56	0.70	5.5	18	10	5	15	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	50.1	−1.8	85	27	20	16	48	3.65	0.00	0.93	T.	12	12	4	14	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	48.4	−2.2	78	27	19	16	46	2.45	−0.95	0.48	1.0	13	10	4	16	w.	Allen Smith
Mannington	Marion	985	32	48.5	−2.6	84	27	19	16	47	3.71	+0.05	0.57	2.0	19	9	8	13	w.	Jas. A. Morgan
Morgantown ††[a]	Monongalia	1,250	42	48.1	−3.6	84	28	18	16	43	3.50	+0.28	0.70	T.	9	13	4	12	sw.	Bruce Davis
New Cumberland	Hancock	671	37	48.0	−1.2	89	27	22	16	48	1.54	−1.74	0.38	0.2	12	10	4	16	nw.	C. H. Hesse
New Martinsville	Wetzel	634	41	50.6	−2.5	86	26	23	16	49	2.88	−0.61	0.55	T.	10	9	6	15	n.	Wm. Aukrom
Parkersburg	Wood	638	48	51.4	−2.0	84	26	23	16	40	2.17	−1.02	0.64	1.0	13	7	9	14	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	48.4	−0.8	85	27	19	16	53	2.71	−1.05	0.60	1.5	10	6	10	14	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	...	...	...	...	...	...	...	3.21	−0.55	0.42	2.5	16	11	9	10	...	Robert T. Deem
Philippi	Barbour	1,550	38	...	...	...	...	...	...	...	3.32	−0.63	0.72	0.7	13	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	32	45.3	−2.8	82	27	13	16	48	5.19	+0.02	0.70	11.0	16	6	11	13	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	...	45.0	...	86	27	16	16	53	3.11	...	0.52	1.5	11	15	12	3	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	...	...	...	...	...	...	...	3.12	−0.46	0.45	0.4	14	11	2	17	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	...	...	...	...	...	...	...	2.85	−0.81	0.56	0.5	12	...	...	...	...	Wm. Hughes
Thomas	Tucker	2,950	6	...	...	...	...	...	...	...	3.37	...	0.81	8.0	15	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	12	51.2	−1.9	85	27	20	16	43	3.01	−0.40	0.62	0.3	14	9	13	8	nw.	J. C. Campbell
Vandalia	Lewis	1,120	12	...	...	...	...	...	...	...	3.21	−0.49	0.46	...	12	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	28	48.3	−1.6	86	27	20	16	54	2.01	−1.22	0.43	1.0	13	11	7	12	w.	George P. Pfister
West Milford	Harrison	979	10	...	...	...	...	...	...	...	2.88	−0.94	0.50	...	7	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	52.8	0.0	86	27	24	16	47	3.11	−0.85	0.59	1.0	13	3	14	13	...	A. Henry
Wheeling (Dam 12)	Ohio	659	48	48.0	−3.6	84	27	21	16	46	2.32	−0.82	0.55	1.5	13	9	8	13	w.	Lockmaster
Woodlands	Marshall	637	8	...	...	...	...	...	...	...	2.25	...	0.74	1.0	13	7	9	14	...	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	...	...	...	...	...	...	...	2.76	...	0.50	4.0	11	9	7	14	nw.	H. S. Sutton
Bancroft	Putnam	574	31	54.0	−0.5	87	27	23	16	47	3.40	−0.21	1.20	T.	13	6	4	20	w.	Charles N. Long
Beckley	Raleigh	2,440	32	47.3	−2.9	81	26	16	16	45	4.90	+1.57	1.08	0.3	21	5	8	17	...	L. A. Mauck
Bluefield [d]	Mercer	2,558	40	50.8	−2.8	86	26†	20	16	36	5.99	+2.70	2.58	0.5	16	5	7	14	...	Norfolk & Western Ry.
Charleston	Kanawha	600	32	55.8	−0.5	88	26	26	16	45	3.53	−0.20	1.10	0.2	13	11	10	9	...	S. E. Damron
Clay	Clay	706	19	...	...	...	...	...	...	...	3.70	+0.20	0.66	1.6	14	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	8	...	...	...	...	...	...	...	3.35	+0.09	1.15	...	13	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	19	...	...	...	...	...	...	...	2.38	−1.18	0.57	...	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	19	...	...	...	...	...	...	...	2.68	−0.76	0.74	1.0	11	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	8	...	...	...	...	...	...	...	2.94	...	0.62	...	11	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	19	...	...	...	...	...	...	...	3.61	+0.30	1.35	...	9	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	19	51.4	−2.0	83	26	23	17	45	5.08	+1.55	1.31	1.0	16	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	52.2	−1.0	88	26†	24	16	49	4.26	+1.06	1.43	0.5	17	12	6	12	...	Mrs. M. L. McClung
Huntington	Cabell	538	38	54.8	+0.2	90	26	25	16	47	4.90	+1.39	1.40	1.2	14	7	8	15	ne.	H. N. Robinson
Kanawha Falls	Fayette	618	16	...	...	...	...	...	...	...	5.52	+1.80	0.92	2.0	15	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	19	...	...	...	...	...	...	...	3.57	−0.55	0.57	2.0	14	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	...	...	...	...	...	...	...	3.76	...	1.00	2.0	13	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rose Argabrite
Logan	Logan	700	32	...	...	...	...	...	...	...	4.01	−0.30	0.81	...	13	...	...	...	...	J. R. Wampler
Madison	Boone	675	14	47.5	+6.8	87	27	23	16	41	3.14	−0.70	0.65	0	11	10	9	11	...	W. E. Holy
Marlinton	Pocahontas	2,131	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Virginia Crocket
Point Pleasant	Mason	595	42	53.0	−1.9	88	26	24	16	47	3.50	+0.16	1.04	0.5	11	10	6	14	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	46.6	...	80	26†	17	16	53	3.83	...	0.95	4.5	18	6	4	20	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	54.5	+0.7	89	27†	24	16	50	2.38	−0.70	0.53	0.5	11	6	7	17	ne.	Lockmaster
Richwood	Nicholas	2,193	5	48.2	...	86	27	18	16	48	3.56	...	0.60	6.0	18	4	9	17	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	53.0	0.0	90	26	25	16	51	3.52	+0.04	1.26	1.0	10	12	0	18	...	M. Frazier
Ryan	Roane	700	32	47.9	−4.1	80	26†	23	18	47	4.28	+0.47	1.02	0.5	13	8	7	15	...	Wm E. Ryan
Sharples	Logan	889	15	...	...	...	...	...	...	...	3.54	−0.35	0.68	...	9	...	...	...	...	R. W. Howard
Spencer	Roane	789	31	51.6	−1.2	86	27	22	16	49	4.44	+1.01	1.58	2.0	12	7	7	16	...	A. M. McKown
Summersville	Nicholas	1,894	2	...	...	...	...	...	...	...	3.53	...	0.64	2.5	13	...	...	...	...	Carl Perry
Sutton	Braxton	850	29	51.0	−1.8	82	26†	22	16	46	4.03	−0.17	0.65	2.0	14	16	0	14	...	C. B. Eakle
Thornwood	Pocahontas	2,723	1	...	...	...	...	...	...	...	3.02	...	0.90	8.0	8	...	...	...	...	Eva R. Smith
Union	Monroe	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. King
Wayne	Wayne	598	8	...	...	...	...	...	...	...	4.18	...	1.09	1.8	10	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	25	50.6	−0.8	85	27	24	16	45	3.45	+0.40	0.55	...	12	17	1	12	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	53.6	−1.9	76	24	27	16	33	4.12	+0.25	0.94	1.5	16	7	8	15	ne.	J. E. Dotson
State averages and	extremes	...	...	49.8	−2.0	92	27	13	16	56	3.45	−0.06	2.58	2.7	13	9	7	14	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for April, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖	Potomac	.22				.28	.20	.08	.87	.70		.28	.18			.26	.26												.10		.25		3.68
Brandywine	do			.15	.20			.65		.75		.20	.30	.10			.10			T.									.10	.40			2.95
Circleville	do	.29	.12	T.	.11	T.	.09	.70	.44	.24			.12	.14	.07		.39	.07		T.									.07		.24		3.09
Harpers Ferry ‖	do																																
Kearneysville	do	.31			.05	T.	.07		.65	.82			.26			.05															.28		2.49
Martinsburg ‖	do	.22	.05	.02	.01		.15	.02	.15	.72	.05		.22	.15			T.	T.											.02		.25		2.03
McNeill	do	.36	T.	.16	.05	.20	.12	.60	1.15	.18	T.	T.	.35	.05		T.	T.	T.		T.										.06	.05		3.33
Piedmont	do		.03			.19	.49	.45	.81	.07			.37	.05		T.	.05					T.								.02			2.53
Romney‖	do	.21		.01	.02		.01	.04	1.20	.20			.04	.05			.10														.08		1.96
Stony River Dam	do	.47		.14			.41	.50	.42	.50			.18	.52			.42	T.													.68		4.24
Upper Tract	do	.32		.19	.12	T.	.45	.55	.75	.05			.52	.11			.04													T.			3.10
Wardensville‖	do	.91		.18	.10	T.	.90	.74	.70	.30	.05		.23	.10	T.		.02														.30		4.53
Northern Division																																	
Aberdeen	Monongahela	.12	T.	.05	T.	.09	.41	.17	.37	.07	T.	.06	.38	.34	.19	.08	.06												.02	.40	.43		3.24
Alma (near)	Ohio	.07		.05		.10	.40	.51	.32			.10	.43	.20		.10	T.											.04		.29	.37		2.98
Alpena	Monongahela	.57			.17	.19	.60	.13	.18	.05		.14	.28	.38	.13	.20	.34		T.										.09	.13	.34		3.92
Benson	do	.04		.05		.08	.30	.40	.42			.04	.35	.38	.13	.10	.06												.04	.05	.50		2.94
Bens Run	Ohio	.20		.08		.07	.33	.39	.21	.03		1.03	.35	.25		.04												.03	.05	.18	.18		3.42
Brownsville	Monongahela	.02		.02		.32	.42	.26	.38	.02		.05	.38	.29	.12		.05												.03	.30	.23		2.89
Buckhannon	do	.15			.08	.15	.40	.20	.40	.12		.12	.23	.34	.15	.08	.10											T.		.27	.31		3.10
Cairo	Little Kanawha						.58	.56	.57				.55	.23		.05			.08												.66		3.28
Clarksburg‖	Monongahela	.11	.01	.01			.42	.22	.58	.03	T.		.24	.24	.24		.06												.02		.46		2.64
Crawford‖	do	.18	.04	T.	T.	.28	.60	.18	.45	.08	T.	.12	.21	.35	.12	.04	.12												.02	.51	.31		3.61
Creston‖	Little Kanawha	.15	.09	.32	.81	.86	.14			.58	.26	.10		.10															.04		.90		4.35
Dam 10, Mon. R.‖	Monongahela	.02	T.	.09			.63	.24	.66	.07			.23	.66	.17		.08	.02											.06		.42		3.35
Dam 13, O. R.‖	Ohio	.02	.02				.48	.06	.86	.08			.34	.10	.02		.16	.02											.08		.70		2.94
Dam 15, Mon. R.‖	Monongahela	.08	.01	.11			.59	.32	.66	.06			.22	.68	.18		.07	.10											.05		.51		3.64
Davis ‖	do	.21		.24	.19		.60	.70	.89	.62	.30	.60	1.00	.30	.75	.15	1.62	1.04	.70												.71		10.62
Elizabeth (D'm 3 LK)	Little Kanawha		.02	.05			.25	.68	.54	.04			.40	.13	.04	.02	.05														.60		2.82
Elkins***	Monongahela	.30	T.	.05	.04	.26	.51	.29	.17	.01	.02	.13	.24	.17	.06	.23	.17			T.								.02		.15	.22		3.04
Fairmont‖	do	.01	.08			.48	.32	.52	.05	T.		.30	.51	.21	.02	.03	.06											.03		.57			3.19
Glenville ‖	Little Kanawha	.11		.06			.58	.91	.74				.50	.23	.14	T.	.30	T.											.04		.63		4.24
Grafton ‖	Monongahela	.12				.50	T.	.40	.45	T.		.08	.55	.50	.18	T.	.05											.15		.83			3.81
Hastings	Ohio	.09		.10		.11	.30	.50	.49	.01			.40	.49	.06	.14	.08	T.											.03	.28	.32		3.40
Horner	Monongahela	.10	.08	.03	.10	.05	.45	.30	.25	.03	.07	.05	.20	.25	.05	.10	.01	.04												.40	.20		2.76
Horton	do	.36	T.	.07	.08	.08	.38	.25	.70	.03	T.	.14	.27	.07	.03	.07	.20	.03											.08	.16	.11		3.11
Janelew (near)	do					.25	.48	.28	.48				.45	.32	.15	.10	.11												.10	.45	.48		3.65
Lost Creek	do	.04		T.		.05	.26	.29	.48	T.		.10	.38	.31		.04	.08												.04	.20	.18		2.45
Mannington	do	.08		.12		.17	.34	.57	.44	.05	.02	.09	.51	.45	.07	.09	.12	.01										.03	.04	.18	.33		3.71
Morgantown	do	.50				.25	T.	.70	.30	T.		T.	.50	.25		.10	T												T.	.25	.65		3.50
New Cumberland‖	Ohio	T.	.02			.01	.37		.38		.01		.37	.05	.01	T.	.01	T.	.01										.08		.22		1.54
New Martinsville	do	.12		.05			.30	.55	.50			.10	.35	.28		T.	T.													.28	.35		2.88
Parkersburg***	do	.08	T.	.02		.30	.42	.28	.17			.29	.14	.03		.13	T.											.11		.16	.04		2.17
Parsons	Monongahela	.29				.50	.40	.10				.60		.30		.08	.04											.20		.20			2.71
Parsons No. 2	do	.31	.01	.09		.27	.23	.31	.42			.09	.22	.38	.10	.07	.18	.02											T.	.22	.29		3.21
Philippi	do	.21		.05	T.		.33	.25	.48	.04	.02		.22	.45	.30		.20	.05													.72		3.32
Pickens	do	.54			.10	.08	.62		.48	.17	.05	.25	.33	.40	.10	.33	.70											.38		.22	.44		5.19
Reedsville	do	.07				.45	.41	.50	.15			.24	.24	.52		.08												.15		.30			3.11
Roanoke	do	.25		.01		.25	.45	.23	.42	.05		.10	.39	.21	T.	.05	.04												T.	.42	.25		3.12
Saint Marys‖	Ohio	.03			.04	T.	.44	.42	.56	.05			.40	.23		.07	.04												.07		.50		2.85
Terra Alta	Monongahela																																
Thomas ‖	do	.20	.06	.09	.05	.02	.54	.25	.09	.17			.20	.48	T.		.31	.08											.02		.81		3.37
Valley Chapel	do	.05		.09		.07	.38	.35	.51			.05	.37	.31	.08	.07													.06	.17	.45		3.01
Vandalia	do	.17		.05		.46	.40	.18	.41			.19	.33	.30		.13														.38	.21		3.21
Wellsburg	Ohio	T.				.26	.08	.09	.43	.12			.29	.06		.05	.06	T.										.06	.16	.13	.22		2.01
West Milford	Monongahela					.20	.50	.35		.45				.50				.38												.50			2.88
Weston	do	.20	T.	.03	.01		.27	.59	.40	.03			.23	.39	.18		.20	T.											.05		.53		3.11
Wheeling (Dam 12)‖	Ohio	T.	.02	.03			.50	.03	.55	.10	T.		.36	.09	.01		.07	.02											.14		.40		2.32
Woodlands‖	do	.02	.08	.04			.15	.06	.74	.04			.33	.20	.04		.06	T.											.09		.40		2.25
Southern Division																																	
Arbovale	Great Kanawha	.50		.12	.22	T.	.46	T.	.38	.08		.42		.12	T.	T.	.16												.17	.13			2.76
Bancroft ‖	do	.08		.14	.02		.07	1.20	.35	.08			.50	.18	.06	T.	.05												.02		.65		3.40
Beckley	do	1.08		.40	.45	.12	.47	.11	.29	.12	.05	.18	.31	.15	.12	.03	.11		.04	T.	.12	.15						.05	T.	.43	.12		4.90
Bluefield	do	2.58		.19	.90	.31	.22		.48	.10		.04	.26	.06		.03	.08				.08		.54							.05	.07		5.99
Camden-on-Gauley	Gauley	.66	.05	.03	.16			.43	.26	.10			.56	.25	.15		.15	.02											.03		.78		3.63
Charleston	Great Kanawha	.19		.11			1.10	.50	.19	.08		.19	.41	.20	.04		.06													.19	.27		3.53
Clay‖	do	.62	.04	.07			T.	.52	.66	.09	.02		.64	.17	.09		.09		.02											.15	.52		3.70
Dam 3 G. K. ‖	do	.85		.10	.04		.02	.57	.49	.17			.40	.24	.12		.30												.05		.53		3.88
Dam 6 G. K. ‖	do	.34		.10	.02	.03		1.15	.38	.16			.57	.10	.08		.10												.03		.29		3.35
Dam 19 O. R. ‖	Ohio	.15		.05		T.	.26	.45	.57	.03			.40	.10	.03	T.	.04	T.											.10		.20		2.38
Dam 20 O. R. ‖	do	.06		.08		T.	.30	.52	.74	.04			.43	.12	T.		.08			T.									.16	T.	.15		2.68
Dam 25 O. R. ‖	do	.03		.01			.10	.62	.59	.15			.54	.20			.07			T.									.55	T.	.08		2.94
Dam 26 O. R. ‖	do	.06		.18			.15	1.35	.65	.35			.62	.10	T.		T.												T.		.15		3.61
Gary ‖	Big Sandy	1.31	.01	.02	.77		.24	.47	.19	.46			.26	.18	.03		.09				.07	.44	.27								.27		5.08
Hinton‖	do	1.43	.20	.20	.46		.05	.64	.19	.05	.01		.23	.14	T.		.07	T.			.05	.27	.15						.05		.07		4.26
Huntington	Ohio	.01		.22		.01	1.40	.79	.91	.09		.69	.45	.07		T.	.08			T.								.01		.06	.11		4.90
Kanawha Falls‖	Great Kanawha	.92	.92	.17	.17	.06	T.	.88	.37	.15	.03		.41	.73	.14		.20			T.	T.								.01		.36		5.52
Kayford‖	do	.57	.02	.29	.11		.24	.50	.27	.14	.05		.34	.16	.21		.15					T.							T.		.52		3.57
Kingston	do	.60					.50	1.00	.50	.10	.15	.05	.20	.10	.05	.16														.20	.15		3.76
Lewisburg	do																																
Logan‖	Guyandotte	.57		.35	.03		.04	.36	.30	.81			.58	.18	.02		.07					T.							.05		.65		4.01
Madison	Great Kanawha		.30	.04		.15	.48	.40	.49			.65	.10	.05														.08		.40			3.14
Marlinton	do																																
Point Pleasant‖	Ohio	.04		.08			.20	1.04	.66	.26			.66	.20			.06												.20		.10		3 50
Rainelle	Meadow Creek	.95	T.	.29	.14	.03	.39	.09	.20	.17	T.	.23	.29	.25	.09	.05	.28				.03	.01						T.		.08	.26		3.83
Ravenswood (Dam 22	Ohio‖	.10		.10			.19	.53	.53	.09			.35	.18	.03		.09														.19		2.38
Richwood	Great Kanawha	.60	.03	.10	.15	.03	.27	.23	.25	.15		.27	.25	.33	.12	.04	.32												.01	.17	.24		3.53
Robertsburg‖	do	.03	T.	.12			.14	1.26	.69	.13			.60	.10	T.		.02														.43		3.52
Ryan	do	.40		.10		.10	1.02	.75	.30			.27	.43	.11	.03	.05												.07		.65			4.28
Sharples‖	Coal River	.50					.60	.40	.48	.68	T.		.30	.40	.08														T.	T.	.10		3.54
Spencer ‖	Great Kanawha		T.	.06			.15	.81	1.58	.30			.46	.20	.10		.16	.11											.03		.48		4.44
Summersville	do	.70	.07	.05	.06			.64	.28	.08	.01		.44	.41	.21		.19														.39		3.53
Sutton	Gauley	.35		.10			.65	.50	.20	.10			.60	.30	.15	.10	.18												.20	.10	.50		4.03
Thornwood	Great Kanawha			.20			.30	.90	.18	.24		.70					.10													.40			3.02
Union	Gauley																																
Wayne‖	Big Sandy	.21		.21			.27	.42	.68	.56	.03		1.09				.13														.58		4.18
White Sulpr. Spgs.‖	Great Kanawha		.15	.45		.20	.50	.45	.10			.25	.35							.15	.10	.20								.55			3.45
Williamson‖	Big Sandy	.94		.36	.07		.20	.23	.29	.59			.50	.15	.08		.09			.03	.02	.02							.01		.54		4.12

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for April, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	53	54	51	55	60	52	33	33	38	49	48	43	49	52	32	32	54	65	68	62	60	60	65	66	76	81	70	75	70	55	....	55.4
	Minimum	33	35	34	25	27	33	30	25	28	31	35	35	30	30	15	22	30	30	35	34	25	28	26	26	23	32	55	35	28	37	....	30.4
Brandywine	Maximum	58	57	55	62	62	54	40	35	42	52	45	60	54	55	52	35	52	64	74	75	70	60	65	70	72	78	82	81	75	70	....	60.2
	Minimum	42	40	41	27	39	40	32	28	30	35	34	35	38	35	30	20	29	25	40	44	45	28	27	29	30	28	42	50	42	46	....	35.0
Kearneysville	Maximum	47	65	56	52	50	47	44	43	43	51	50	50	50	60	63	45	55	64	70	72	64	65	65	71	74	75	88	83	79	74	....	60.5
	Minimum	37	40	39	35	32	39	36	33	32	37	40	39	40	40	38	25	35	34	38	45	49	39	41	37	40	34	50	58	47	50	....	39.3
Martinsburg*	Maximum	51	67	58	52	50	44	45	40	43	54	58	46	51	62	64	47	58	66	74	74	61	66	69	75	78	80	92	86	82	..	....	61.8
	Minimum	38	38	40	36	32	38	38	32	32	34	40	39	40	41	38	26	27	38	41	47	50	43	45	39	43	36	43	60	50	50	....	39.8
McNeill	Maximum	52	64	61	57	58	49	41	39	44	55	53	50	50	58	57	40	50	63	75	77	69	62	60	73	71	84	89	77	80	64	....	60.7
	Minimum	37	42	44	34	33	40	33	30	31	34	42	40	40	38	30	24	34	25	43	41	43	29	34	30	31	28	38	60	42	48	....	36.6
Piedmont	Maximum	46	59	57	52	55	40	48	39	43	53	51	44	46	59	51	38	41	61	71	74	61	59	65	72	73	81	81	78	80	59	....	57.9
	Minimum	40	44	40	34	39	39	39	35	32	35	41	39	41	42	38	21	31	37	38	43	49	40	43	36	37	33	42	61	55	45	....	39.6
Romney	Maximum	49	60	60	54	50	50	45	41	42	52	54	49	46	57	40	39	44	62	71	74	..	..	..	..	..	..	..	..	..	..	....	52.0
	Minimum	37	42	42	35	25	30	26	31	31	25	33	30	32	40	23	23	22	29	24	47	34	35	36	24	36	39	30	56	34	49	....	33.3
Wardensville	Maximum	62	68	55	49	51	42	41	36	43	51	48	43	49	63	43	41	53	62	70	72	56	62	63	71	73	78		84	77	60	....	57.4
	Miuimum	36	38	39	34	30	41	32	29	31	34	40	38	40	39	32	23	26	31	37	42	45	31	35	33	34	30	40	..	44	48	....	35.6
Northern Division																																	
Alpena	Maximum	54	59	50	52	56	53	36	33	34	46	42	48	43	48	50	28	31	54	63	65	60	52	57	62	67	75	78	69	71	54	....	53.0
	Minimum	39	43	35	29	38	34	29	27	25	32	30	34	32	30	27	13	21	27	35	39	40	27	26	47	28	25	43	54	37	38	....	32.8
Bens Run	Maximum	59	59	55	51	54	54	45	41	50	50	50	51	49	53	55	36	42	58	64	62	63	63	59	67	66	79	79	76	76	62	....	57.6
	Minimum	49	50	42	40	42	45	41	38	37	42	40	46	40	37	33	25	33	30	44	48	47	39	37	42	41	42	44	50	52	47	....	41.4
Buckhannon	Maximum	60	60	59	59	66	61	50	48	44	51	59	50	52	55	50	40	42	57	68	72	68	64	62	72	75	77	84	76	82	63	....	60.9
	Minimum	49	50	38	37	38	43	39	37	33	39	36	45	39	35	35	20	29	27	43	46	48	35	34	35	34	35	45	58	48	45	....	39.2
Cairo	Maximum	61	60	61	66	65	65	53	47	48	51	62	63	52	58	60	54	54	71	62	70	74	67	66	73	78	85	85	85	84	70	....	65.0
	Minimum	49	48	41	35	34	46	41	40	37	41	33	46	39	40	33	28	24	21	26	38	42	30	42	34	32	33	42	48	45	42	....	37.7
Clarksburg *	Maximum	58	59	56	67	66	49	45	43	45	51	53	54	47	59	55	55	41	62	70	73	65	60	65	73	74	82	85	79	80	60	....	61.0
	Minimum	46	47	39	40	36	44	38	36	34	36	33	45	43	36	34	21	24	27	38	52	48	32	30	34	35	33	40	58	45	43	....	38.2
Creston	Maximum	61	60	59	66	65	60	49	44	49	53	61	51	47	63	60	40	43	61	71	74	68	65	69	77	75	89	87	82	78	61	....	62.9
	Minimum	49	49	41	38	35	45	40	40	36	42	33	45	38	32	37	23	33	26	43	46	44	32	35	35	36	34	45	54	49	44	....	39.3
Elkins	Maximum	56	59	52	58	64	53	41	37	39	47	48	52	42	52	54	28	36	57	65	68	64	56	60	65	68	78	82	73	75	55	....	56.1
	Minimum	45	46	35	35	35	37	35	32	31	34	34	41	34	33	24	17	28	34	40	44	45	32	31	32	35	31	44	51	44	42	....	36.0
Fairmont	Maximum	64	61	61	68	65	51	44	39	44	52	58	55	49	64	53	53	42	67	73	79	70	64	70	75	79	89	88	83	82	65	....	63.6
	Minimum	46	51	40	39	39	42	40	35	35	38	39	46	44	37	37	21	24	34	41	45	46	36	34	34	39	36	47	60	49	43	....	39.9
Glenville	Maximum	63	62	62	67	68	65	52	50	50	55	65	53	50	60	62	45	43	62	72	77	76	68	70	78	79	88	89	79	81	65	....	65.2
	Minimum	50	51	42	40	38	47	42	41	37	42	33	46	39	38	36	23	32	28	44	48	46	34	33	35	38	35	44	55	47	46	....	40.5
Grafton	Maximum	56	60	57	62	60	57	45	40	42	53	51	51	47	56	55	36	41	57	69	73	68	65	62	71	75	84	85	73	70	60	....	59.4
	Minimum	45	50	39	37	36	44	38	34	34	38	35	45	39	36	30	20	31	35	39	43	43	32	31	36	36	33	43	61	46	44	....	38.4
Lost Creek	Maximum	58	57	57	65	64	58	45	43	46	49	59	53	53	59	58	35	40	60	70	69	69	64	63	67	69	77	78	74	74	59	....	59.7
	Minimum	45	49	39	39	34	38	41	35	33	38	33	44	35	44	32	19	30	22	39	43	44	30	29	32	34	31	40	57	44	42	....	37.2
Mannington	Maximum	62	57	53	61	62	56	45	40	46	50	58	55	48	57	56	38	43	58	67	70	67	62	63	70	71	78	84	76	78	61	....	59.7
	Minimum	45	48	38	35	35	43	38	35	34	39	32	45	38	37	34	19	32	30	37	44	40	31	29	34	34	31	40	58	44	41	....	37.3
Morgantown	Maximum	59	58	60	58	57	52	45	38	42	50	49	48	47	..	48	45	42	57	61	60	59	62	81	79	81	82	83	84	82	64	....	59.8
	Miuimum	39	34	38	36	34	33	30	29	31	38	41	40	38	..	34	18	30	34	42	40	39	38	40	37	39	40	40	42	41	41	....	36.4
New Cumberland*	Maximum	54	53	52	60	46	54	56	42	43	54	60	56	45	63	45	39	47	61	68	69	65	51	64	70	70	82	89	76	76	55	....	58.8
	Minimum	41	42	31	34	35	38	37	36	33	37	36	45	38	38	39	22	26	31	35	38	42	36	34	37	35	34	41	56	46	45	....	37.3
New Martinsville	Maximum	57	59	57	65	57	53	47	45	45	56	63	54	50	63	58	38	45	60	72	73	69	62	62	71	75	86	85	80	77	63	....	61.6
	Minimum	46	48	39	38	38	44	40	37	36	40	36	45	40	38	35	23	34	29	37	46	44	34	33	39	38	37	45	56	48	46	....	39.6
Parkersburg	Maximum	60	59	54	62	62	52	46	45	48	53	61	53	46	62	58	36	44	59	69	70	67	58	67	71	73	84	84	79	74	58	....	60.5
	Minimum	48	45	40	38	43	42	41	37	37	44	43	46	38	36	25	23	34	30	46	51	49	41	42	45	46	44	53	58	53	47	....	42.2
Parsons	Maximum	56	58	56	63	64	55	48	39	43	54	49	53	44	56	55	41	37	60	68	71	69	59	65	70	72	83	85	78	78	82	....	60.4
	Minimum	41	48	37	34	34	40	36	32	32	38	38	41	35	35	29	19	29	34	37	42	43	30	31	32	32	30	40	56	44	42	....	36.4
Pickens	Maximum	63	54	52	54	62	53	44	42	38	44	55	51	41	43	49	30	38	58	68	71	63	59	63	71	68	81	82	74	75	55	....	56.7
	Minimum	42	40	35	32	35	38	34	31	28	31	30	38	30	27	26	13	22	26	35	42	44	28	27	34	34	33	48	52	45	37	....	33.9
Reedsville	Maximum	57	55	51	61	61	58	40	36	40	51	53	53	47	56	55	34	39	56	65	68	67	58	60	67	71	77	86	75	78	54	....	57.6
	Minimum	39	45	36	30	30	40	35	30	29	35	35	41	35	33	30	16	27	32	32	34	37	26	28	28	27	24	34	37	38	31	....	32.5
Wellsburg	Maximum	56	56	55	62	60	50	48	41	50	54	59	55	51	65	55	35	48	63	70	72	68	60	66	71	73	83	86	76	78	60	....	60.9
	Miuimum	42	43	42	32	33	39	38	34	32	38	32	43	38	35	34	20	33	25	33	35	37	30	30	34	30	29	38	53	44	44	....	35.7
Weston	Maximuiu	60	66	64	65	63	51	51	49	48	55	60	58	49	60	58	53	41	65	73	75	73	66	67	70	79	85	86	84	76	60	....	63.7
	Minimum	45	50	40	38	40	43	41	40	38	38	42	43	40	40	53	24	32	30	40	50	51	40	34	38	40	38	50	60	48	50	....	41.9
Wheeling(Dam 12)	Maximum	57	56	55	62	50	49	56	42	46	53	60	59	40	60	43	37	47	59	68	67	67	57	64	70	73	82	84	79	73	58	....	59.1
	Minimum	46	40	37	39	36	40	36	36	36	36	37	39	39	39	25	21	25	30	32	40	37	35	34	37	39	36	42	46	48	45	....	36.9
Southern Division																																	
Beckley	Maximum	62	60	57	56	62	55	44	39	39	44	50	52	43	55	54	39	48	60	66	64	61	58	66	73	72	81	79	76	69	57	....	58.0
	Minimum	46	37	38	40	41	41	32	30	34	34	34	37	32	30	35	16	23	26	43	45	46	33	29	35	37	36	53	51	46	38	....	36.6
Bluefield	Maximum	65	67	64	51	62	59	..	54	39	46	46	55	48	..	58	52	44	62	66	65	..	62	66	73	75	80	80	..	80	60	....	60.7
	Minimum	46	53	44	43	44	50	..	30	36	35	38	40	35	..	32	20	26	34	48	50	..	38	36	42	45	44	59	..	52	44	....	40.9
Charleston	Maximum	77	71	63	64	69	65	49	49	49	52	61	55	51	61	62	47	50	64	72	75	73	69	71	78	78	88	86	82	81	71	....	66.1
	Minimum	57	53	45	46	48	48	45	42	40	44	40	48	41	36	46	26	35	34	50	53	52	42	40	45	47	43	54	58	56	49	....	45.4
Gary *	Maximum	68	67	53	54	65	60	44	43	43	48	58	55	46	57	61	34	52	62	69	67	60	62	69	76	76	83	82	76	75	60	....	60.8
	Minimum	55	51	50	47	45	49	42	37	36	40	37	45	42	37	38	25	23	32	39	50	51	39	34	38	43	38	50	52	49	49	....	42.1
Hinton *	Maximum	67	63	55	55	63	57	48	44	45	52	51	57	46	63	62	37	57	67	73	68	61	67	75	80	81	88	88	83	82	66	....	63.4
	Minimum	49	49	43	46	46	48	39	37	38	41	36	41	43	38	37	24	25	32	35	49	52	32	36	39	42	39	43	51	50	47	....	40.9
Huntington	Maximum	66	64	64	66	65	61	52	49	49	55	62	52	47	64	60	42	48	60	74	76	69	68	73	80	78	90	85	82	77	67	....	64.8
	Minimum	55	54	44	42	45	51	45	43	40	44	43	47	41	34	42	25	31	34	49	54	52	39	40	42	47	43	55	60	55	48	....	44.8
Lewisburg	Maximum	62	61	58	53	61	57	43	39	46	50	55	53	48	51	58	52	54	67	73	69	71	72	72	74	77	85	85	80	82	80	....	62.9
	Minimum	48	43	45	42	38	42	33	32	35	38	31	34	37	42	31	19	38	40	48	48	49	47	29	30	39	39	43	47	54	52	....	39.8
Madison	Maximum	65	65	55	67	68	53	52	46	45	55	63	56	43	63	48	64	52	53	55	60	57	53	55	55	56	75	87	80	68	65	....	59.3
	Minimum	50	43	41	41	41	42	40	39	39	37	37	37	32	41	24	23	24	24	24	30	24	24	24	24	25	56	51	50	45	40	....	35.7
Point Pleasant	Maximum	65	62	60	67	65	61	47	46	49	54	52	50	47	64	62	40	48	58	71	75	73	66	70	77	76	88	86	81	79	65	....	63.5
	Minimum	50	51	40	38	43	44	41	40	38	42	40	46	40	35	40	24	34	31	47	51	50	37	39	40	45	41	51	57	53	45	....	42.4
Rainelle	Maximum	58	55	55	50	60	55	43	37	37	43	48	49	46	56	56	41	46	61	68	66	62	59	67	72	73	80	80	74	70	59	....	57.5
	Minimum	45	45	40	41	40	41	33	32	33	34	36	38	33	32	30	17	26	26	45	45	46	29	27	30	34	27	40	43	40	41	....	35.6
Ravenswood	Maximum	68	67	63	64	67	67	53	56	51	60	63	52	63	62	57	49	46	68	71	72	76	67	69	78	81	87	89	89	81	79	....	67.2
	Minimum	61	51	42	39	41	41	43	45	38	37	40	46	41	41	34	24	31	38	29	49	49	34	39	39	43	37	50	55	51	47	....	41.8
Richwood	Maximum	59	57	55	55	63	62	47	41	40	45	45	51	46	54	62	46	42	60	73	66	65	64	65	70	74	82	86	76	79	60	....	59.7
	Minimum	49	48	36	35	41	38	31	36	34	37	26	35	28	26	32	18	26	29	44	46	49	31	32	34	38	34	51	50	44	44	....	36.7
Robertsburg*	Maximum	64	63	59	65	66	50	48	46	48	52	60	52	50	65	55	51	47	60	71	77	73	65	73	77	79	90	86	83	77	61	....	63.8
	Minimum	53	52	44	41	42	47	45	42	39	39	39	47	41	34	43	25	28	30	37	50	50	36	37	39	44	39	47	57	51	49	....	42.2
Spencer *	Maximum	61	62	59	67	65	49	49	45	48	53	61	58	44	61	51	40	45	62	70	60	68	61	68	71	76	86	85	80	77	60	....	61.4
	Minimum	51	52	42	42	41	47	42	42	37	42	37	44	40	35	40	22	34	29	40	48	42	35	38	38	42	37	49	59	58	46	....	41.7
Sutton	Maximum	60	61	61	60	66	66	50	48	48	50	51	52	52	56	56	46	44	62	70	72	72	64	58	73	75	82	82	82	78	62	....	62.0
	Minimum	52	51	42	41	38	42	42	42	36	41	31	45	39	37	34	22	31	29	45	47	46	34	33	35	40	36	45	51	48	46	....	40.0
White Sulphur Spgs.	Maximum	68	60	52	53	62	58	42	44	46	54	49	55	50	56	58	40	54	69	74	69	60	66	69	75	78	84	85	80	79	66	....	61.8
	Minimum	49	47	43	42	47	35	33	34	38	36	40	40	35	34	25	24	30	45	47	49	37	36	37	48	33	44	49	45	46	34	....	39.4
Williamson*	Maximum	65	65	61	65	61	57	56	48	46	53	61	55	51	62	59	59	53	59	71	66	68	59	67	76	74	74	73	72	71	65	....	62.4
	Minimum	47	56	47	45	46	54	47	42	42	43	42	49	42	35	44	27	28	34	43	50	51	42	40	43	48	43	54	55	52	50	....	44.7

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	*Total*
Clarksburg	Evaporation	.043	.024	.104	.121	.093	.022	.013	.049	.051	.012	.044	.116	.007	.022	.101	....	.067	....	.099	.134	.191	.152	.177	.102	.133	.213	.164	.200	.223	.099	....	.278
	Wind movement	44	43	74	61	22	56	113	145	86	36	34	99	50	71	78	182	190	54	20	30	36	56	58	24	27	44	29	80	64	74	....	1,983

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., MAY, 1935 No. 5

GENERAL SUMMARY

May was unusually cool, especially during the first and second decades, when heavy to killing frosts or freezing temperatures occurred in practically all sections. The frost damage was unimportant and was confined mostly to tender plants. A low temperature of 26° was noted at Pickens on the 1st and 2d. Warm weather for the season prevailed generally during the last few days of the month, with maximum temperatures near or slightly above 90°. The rainfall was generally near or considerably above the normal and quite favorably distributed, as there were only four stations reporting monthly amounts less than the average. This was the fifth wettest May of State record. The greatest monthly amounts were received in sections of the central and southern counties, and the least in the extreme eastern districts. Heavy local showers on the 14th, caused considerable damage to crops in sections of Gilmer County. Continued rains and cool weather greatly retarded growth and farm work, wheat however was in good to excellent condition, and at the close of the month was making good growth, and heading in many districts; corn planting was considerably delayed and was about two weeks late; potatoes, pastures, and meadows were in fair to good condition.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 59.2°, or 2.4° below the normal. The temperature was below the normal for the entire month, with the exception of of seven days, or the 3d, 6th, 9th, 10th, 13th, 28th, and 29th. On the 4th, 16th, and 24th, the temperature averaged 14° below the normal. The highest monthly mean temperature was 64.1° at Charleston, and the lowest, 53.3° at Alpena. The highest temperature was 92° at Martinsburg on the 28th, and the lowest was 26° at Pickens on the 1st and 2d, making the monthly range for the State 66°. The greatest daily range was 50° at Cairo on the 27th.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 6.07 inches, which was 2.05 inches more than the normal. The greater portion of the precipitation was received on the 2d-7th, 10th, 13-14th, 21st, and 30th, the greatest amounts being measured on the 2-3d, 6-7th, and 21st. The greatest monthly precipitation was 8.31 inches at Spencer, and the least, 2.14 inches at Harpers Ferry. The greatest amount in any 24 consecutive hours was 3.11 inches at Dam 26, Ohio River on the 3d. The average number of days with .01 inch or more of precipitation was 13.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Lewis, 2d; Roane, 3d; McDowell, 4th; Raleigh, 5th; Randolph, 6th; Mingo, 13th.

MISCELLANEOUS PHENOMENA

Fogs, dense: Beckley, 15th; Charleston, 11th; Elkins, 25th; Glenville and Grafton, 11th; Hinton, 3d, 13th, 25th, and 31st; Mannington, 26th; New Cumberland, 8th; Pickens, 14th and 23d; Wellsburg, 11th.

Halo, solar: Aberdeen, 19th.

Thunderstorms (dates and number of stations reporting): 2d, 14; 3d, 13; 4th, 1; 5th, 1; 6th, 12; 7th, 3; 9th, 3; 10th, 10; 12th, 5; 13th, 4; 14th, 5; 21st, 1; 22d, 7; 23d, 3.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.03	30.43	4	29.73	20	7.3	24	ne.	20	74	57	62	44
Columbus, Ohio	30.03	30.39	4	29.74	7	8.4	33	sw.	28	68	50	59	47
Elkins	30.05	30.36	4	29.71	21	5.9	20	w.	7	80	56	62	48
Parkersburg	30.05	30.42	4	29.74	21	5.9	26	nw.	9	75	53	60	55
Pittsburgh, Pa	30.04	30.37	4	29.70	21	9.3	31	nw.	21	69	50	51	58
Wytheville, Va	29.99	30.21	26	29.66	21	6.0	23	w.	2	79	54	64	51

COMPARATIVE DATA FOR MAY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	57.2	−4.4	.. ..	......	3.18	−0.84	......	......	......	....	....	....	....
1892	62.2	+0.6	96	32	5.04	+1.02	......	......	......	....	....	....	....
1893	59.5	−2.1	92	30	4.51	+0.49	6.41	1.83	......	10	12	9	10
1894	62.1	+0.5	100	28	4.44	+0.42	9.40	2.17	......	13	16	9	6
1895	61.6	0.0	105	20	2.60	−1.42	6.31	0.79	......	9	12	11	8
1896	**68.3**	+6.7	95	33	3.01	−1.01	5.92	0.65	......	10	11	13	7
1897	57.6	−4.0	90	23	4.60	+0.58	7.06	2.17	.....	11	13	10	8
1898	63.0	+1.4	94	28	4.51	+0.49	6.15	2.76	......	13	13	10	8
1899	64.1	+2.5	96	35	5.17	+1.15	7.68	3.17	......	12	11	11	9
1900	62.5	+0.9	98	21	2.99	−1.03	6.75	0.35	....	8	14	9	8
1901	61.8	+0.2	96	21	6.15	+2.13	8.88	2.50	......	13	11	10	10
1902	65.2	+3.6	98	25	3.17	−0.85	6.09	1.30	......	9	14	11	6
1903	64.3	+2.7	95	20	3.03	−0.99	6.24	0.80	T.	8	18	9	4
1904	61.8	+0.2	98	25	3.55	−0.47	5.80	1.54	T.	11	12	11	8
1905	64.2	+2.6	96	26	4.95	+0.93	7.96	1.90	0	11	12	10	9
1906	62.7	+1.1	98	22	2.59	−1.43	6.89	0.39	T.	9	15	9	7
1907	59.0	−2.6	93	24	3.88	−0.14	6.37	1.38	T.	12	12	10	9
1908	63.4	+1.8	96	28	6.19	+2.17	11.45	2.73	0.1	17	9	12	10
1909	60.8	−0.8	93	21	3.82	−0.20	6.05	1.80	0.1	10	14	9	8
1910	57.9	−3.7	96	19	3.92	−0.10	5.87	1.55	0	12	11	10	10
1911	66.0	+4.4	100	22	**1.46**	−2.56	6.35	**0.03**	0	5	20	8	3
1912	63.3	+1.7	94	31	3.93	−0 09	7.50	1.16	0	11	15	8	8
1913	61.6	0.0	95	19	5.16	+1.14	8.86	1.89	0	10	14	8	9
1914	62.4	+0.8	100	24	1.96	−2.06	3.75	0.55	0	6	18	8	5
1915	61.1	−0.5	92	29	4.22	+0.20	6.85	2.56	0	13	10	9	12
1916	64.0	+2.4	97	28	3.58	−0.44	6.00	0.90	T.	11	14	9	8
1917	**55.5**	−6.1	95	25	4.88	+0.86	5.45	2.45	T.	10	11	8	12
1918	66.7	+5.1	97	25	4.34	+0.32	10.28	1.85	T.	11	15	9	7
1919	61.5	−0.1	100	30	5.25	+1.23	10.71	2.75	0	13	12	7	12
1920	58.9	−2.7	95	24	2.76	−1.26	6.97	1.08	T.	7	16	6	9
1921	61.4	−0.2	96	24	4.48	+0.46	10.67	2.12	T.	12	12	7	12
1922	63.7	+2.1	94	26	3.67	−0.35	5.83	1.55	0	11	14	7	10
1923	59.7	−1.9	93	21	2.58	−1.44	5.33	0.18	1.3	8	16	6	9
1924	**55.5**	−6.1	93	23	**7.20**	+3.18	**12.20**	3.91	0.1	17	9	7	15
1925	56.8	−4.8	100	21	3.35	−0.67	6.56	0.70	0.2	10	13	8	10
1926	61.2	−0.4	94	**14**	2.50	−1.52	4.65	0.07	T.	9	15	8	8
1927	62.0	+0.4	95	21	4.13	+0.11	7.74	0.75	T.	15	10	8	13
1928	58.9	−2.7	94	22	2.61	−1.41	5.30	0.55	T.	10	14	8	9
1929	60.8	−0.8	98	23	5.81	+1.79	11.14	2.25	0.1	15	10	9	12
1930	63.3	+1.7	101	23	2.17	−1.85	4.99	0.64	0	10	15	8	8
1931	60.6	−1.0	98	23	5.09	+1.07	9.59	2.68	T.	15	12	8	11
1932	62.1	+0.5	96	24	3.11	−0.91	6.78	0.62	0	9	17	7	7
1933	65.1	+3.5	97	34	6.99	+2.97	11.36	3.50	0	18	8	10	13
1934	63.1	+1.5	100	27	2 08	−1.94	4.41	0.92	0	6	18	8	5
1935	59.2	−2.4	92	26	6.07	+2.05	8.31	2.14	0	13	12	7	12
Period	61.6	......	105	14	4.02	....	12.20	0.03	T.	11	13	9	9

Climatological Data for May, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	53.5	−2.9	80	27	28	18	45	5.97	+1.43	1.17	0	15	14	9	8	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	57.7	−0.9	85	29	31	1†	43	3.45	+0.69	1.00	0	11	16	0	15	s.	Elmer Keister
Circleville	Pendleton	...	3	...	...	...	...	...	...	...	6.24	...	1.34	0	15	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	...	...	...	...	...	...	...	2.14	−1.52	0.74	0	10	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	5	59.1	...	88	28†	38	16	37	2.42	...	0.60	0	9	7	15	9	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	^{a}60.6	−2.2	92^a	28	38	25	45^a	2.54	−1.00	0.90	0	13	21	8	2	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	58.3	−4.9	89	28	30	18	48	5.03	+1.59	1.05	0	11	4	7	20	w.	John W. McNeill
Piedmont	Mineral	1,053	22	57.6	−2.4	85	28	35	24	36	3.89	+0.39	1.05	0	11	9	10	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	^{e}59.3	−3.6	89^e	28	33^b	18	45^e	3.02	−0.62	0.81	0	9	12^a	7^a	11^a	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	...	...	...	...	...	...	...	6.47	+1.87	1.23	0	12	5	5	21	w.	A. C. Becker
Upper Tract	Pendleton	1,230	36	^{a}55.8	−4.5	88^a	28	34^a	19†	40^a	3.56	+0.71	0.98	0	7	8	7	16	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	^{d}57.3	−2.1	88^d	28	30^d	12	44^h	2.99	+0.03	0.87	0	10	10	7	10	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	...	...	...	...	...	...	...	6.14	+2.27	1.26	0	10	6	12	13	w.	L. Else Bond
Alma (near)	Tyler	800	8	...	...	...	...	...	...	...	5.95	...	1.04	0	16	...	...	...	...	D. N. Furbee
Alpena	Randolph	2,571	5	53.3	...	79	28	28	19	43	6.55	...	1.29	0	12	13	9	9	...	Christian Hertig
Benson	Harrison	1,080	11	58.2	−2.6	84	29	27	1	45	6.16	+2.23	1.18	0	14	11	12	8	...	R. D. Marts
Bens Run	Pleasants	652	33	58.4	−4.6	86	28	37	1	31	5.56	+1.50	1.04	0	14	15	5	11	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	60.4	−1.2	86	28†	31	1	44	6.45	+2.22	1.50	0	13	11	12	8	...	W. B. Worley
Buckhannon	Upshur	1,411	38	59.2	−1.9	82	28	34	1	37	6.00	+1.46	1.35	0	11	11	14	6	...	H. A. Darnall
Cairo^a	Ritchie	680	34	58.6	−4.5	87	27	30	2	50	5.91	+2.49	1.10	0	10	14	3	13	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	58.4	−1.9	85	28	30	1	41	4.89	+1.21	1.16	0	15	9	12	10	...	Clarksburg Water Board
Crawford	Lewis	1,107	12	...	...	...	...	...	...	...	7.72	+3.23	1.63	0	15	8	12	11	sw.	George W. Blair
Créston	Wirt	640	33	61.2	−1.9	86	28	31	1	45	6.84	+3.05	1.34	0	12	15	1	15	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	...	...	...	...	...	...	...	5.17	+1.10	1.81	0	13	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	19	...	...	...	...	...	...	...	3.79	+0.33	1.40	0	10	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	...	...	...	...	...	...	...	4.99	+1.39	1.70	0	18	...	...	...	...	Lockmaster
Davis	Tucker	3,093	26	...	...	...	...	...	...	...	6.64	+1.91	1.43	0	12	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	...	...	...	...	...	...	...	7.26	+3.77	1.40	0	14	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	34	56.4	−2.8	83	28	33	19	40	6.42	+2.37	1.48	0	15	6	7	18	nw.	U. S. Weather Bureau
Fairmont	Marion	883	29	61.2	−0.9	89	28	34	1	45	4.99	+1.09	1.38	0	15	13	7	11	w.	J. C. Robinson
Glenville	Gilmer	738	41	62.6	−1.0	88	10†	32	1	43	7.32	+3.16	1.86	0	15	14	3	14	...	Howard R. Brannon
Grafton	Taylor	1,000	42	59.2	−2.3	84	9	33	1	38	6.93	+2.89	1.20	0	12	8^h	1^h	14^h	...	W. E. Clayton
Hastings	Wetzel	809	...	63.3	...	89	29	28	2	41	6.92	...	1.60	0	15	13	9	9	w.	L. G. McIntyre
Horner	Lewis	1,044	12	...	...	...	...	...	...	...	4.49	−0.18	1.50	0	9	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	10	...	...	...	...	...	...	...	5.51	+1.40	0.91	0	15	14	5	12	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	60.0	0.0	84	9†	31	1	43	6.39	+1.79	1.32	0	10	14	4	13	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	56.8	−3.6	80	28†	29	1	43	6.52	+2.38	1.26	0	11	12	6	13	w.	Allen Smith
Mannington	Marion	985	32	57.7	−2.7	81	9†	31	1	38	5.78	+1.88	1.76	0	17	11	8	12	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	...	...	..	..	..	..	..	...	...	...	...	..	..	..	..	...	Bruce Davis
New Cumberland	Hancock	671	37	56.1	−4.1	86	28	33	22	43	3.98	+0.58	1.21	0	11	10	7	14	nw.	C. H. Hesse
New Martinsville	Wetzel	634	41	60.2	−2.8	87	28	34	1	41	6.60	+2.95	2.50	0	10	13	7	11	s.	Wm. Ankrom
Parkersburg	Wood	638	48	59.7	−4.1	85	28	37	1	35	6.41	+3.03	1.90	0	15	9	8	14	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	58.2	−0.6	87	28	33	1†	43	5.28	+1.15	...	0	...	11	6	4	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	...	...	...	...	...	...	...	6.67	+2.54	1.31	0	12	18	6	7	...	Robert T. Deem
Philippi	Barbour	1,550	38	...	...	...	...	...	...	...	6.26	+1.89	1.50	0	14	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	32	54.7	−3.4	80	29	26	1†	40	7.63	+2.21	1.12	0	16	12	10	9	w.	Dr. J. L. Cunningham
Reedsville^b	Preston	1,710	...	55.6	...	79	9	28	18†	43	5.56	...	1.62	0	14	18	10	1	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	...	...	...	...	...	...	...	7.69	+3.33	1.86	0	12	14	6	11	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	...	...	...	...	...	...	...	6.17	+2.60	1.55	0	14	...	...	...	...	Wm. Hughes
Thomas	Tucker	2,950	6	...	...	...	...	...	...	...	7.94	+4.05	1.81	0	13	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	12	59.8	−1.8	85	29	30	19	40	7.18	...	1.33	0	16	11	7	13	ne.	J. C. Campbell
Vandalia	Lewis	1,120	12	...	...	...	...	...	...	...	8.15	+4.57	2.43	0	9	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	28	56.8	−3.4	86	28	30	11†	47	3.90	+0.35	1.70	0	8	18	4	9	...	George P. Pfister
West Milford	Harrison	979	10	...	...	...	...	...	...	...	6.88	+3.15	1.50	0	9	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	60.9	−1.8	83	28	34	1	41	6.01	+1.75	1.54	0	15	7	16	8	...	A. Henry
Wheeling (Dam 12)	Ohio	659	48	56.9	−4.9	83	28	32	18	41	4.01	+0.52	1.24	0	9	13	5	13	n.	Lockmaster
Woodlands	Marshall	637	8	...	...	...	...	...	...	...	5.33	...	2.52	0	13	13	5	13	...	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	...	...	...	...	...	...	...	5.68	...	1.75	0	14	11	8	12	nw.	H. S. Sutton
Bancroft	Putnam	574	31	62.8	0.0	88	28	35	1	39	6.47	+2.61	1.44	0	11	9	2	20	w.	Charles N. Long
Beckley	Raleigh	2,440	32	57.5	−2.3	80	29	31	1	48	8.27	+4.65	1.21	0	23	7	12	12	...	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	40	60.0	−1.6	80	29	36	1	35	5.46	+1.96	0.85	0	15	7	8	11	...	Norfolk & Western Ry.
Charleston	Kanawha	600	32	64.1	−1.3	87	28	40	1	36	6.75	+2.82	1.34	0	17	13	2	16	...	S. E. Damron
Clay	Clay	706	19	...	...	...	...	...	...	...	7.09	+3.16	1.20	0	16	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	8	...	...	...	...	...	...	...	5.65	+3.03	1.25	0	17	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	19	...	...	...	...	...	...	...	6.00	+2.18	1.28	0	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	19	...	...	...	...	...	...	...	5.95	+2.43	1.15	0	15	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	8	...	...	...	...	...	...	...	7.17	...	1.41	0	12	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	19	...	...	...	...	...	...	...	8.08	+4.68	3.11	0	14	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	19	61.4	+0.3	82	2†	34	1	42	7.73	+3.57	1.17	0	18	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	63.0	−0.4	90	28†	37	1	43	5.86	+2.18	1.52	0	17	15	7	9	...	Mrs. M. L. McClung
Huntington	Cabell	538	38	63.4	−1.3	86	28	39	1	37	7.91	+3.98	1.93	0	17	7	13	11	ne.	H. N. Robinson
Kanawha Falls	Fayette	618	16	...	...	...	...	...	...	...	6.99	+3.09	1.30	0	19	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	19	...	...	...	...	...	...	...	7.45	+2.52	1.72	0	16	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	...	...	...	...	...	...	...	5.66	...	0.65	0	14	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	62.0	+1.9	86	28†	34	26	46	6.76	+3.29	0.87	0	16	11	6	14	...	Rose Argabrite
Logan	Logan	700	32	...	...	...	...	...	...	...	6.94	+2.68	1.38	0	16	...	...	...	...	J. R. Wampler
Madison	Boone	675	14	60.4	−3.4	86	9†	40	1†	37	7.02	+2.69	1.70	0	14	16	8	7	...	W. E. Holy
Marlinton	Pocahontas	2,131	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Virginia Crocket
Point Pleasant	Mason	595	42	61.2	−3.5	84	28	36	1	39	7.86	+3.98	1.66	0	14	13	3	15	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	56.5	...	81	28	29	1	46	7.89	...	1.49	0	21	8	4	19	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	62.0	+0.1	91	30	32	1	39	6.99	+3.50	1.20	0	13	11	5	15	ne.	Lockmaster
Richwood	Nicholas	2,193	5	57.7	...	86	11	32	1†	46	7.26	...	1.25	0	18	8	10	13	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	61.0	−2.2	86	9†	34	1	39	7.42	+4.04	2.35	0	14	12	0	9	...	M. Frazier
Ryan	Roane	700	32	57.0	−4.2	85	9†	28	1	48	7.67	+4.11	1.52	0	15	11	8	12	...	Wm E. Ryan
Sharples	Logan	889	15	...	...	...	...	...	...	...	5.13	+1.06	1.22	0	12	...	...	...	...	R. W. Howard
Spencer	Roane	789	31	60.0	−2.0	83	9	33	1	38	8.31	+4.72	1.85	0	14	10	6	15	...	A. M. McKown
Summersville	Nicholas	1,894	2	...	...	...	...	...	...	...	7.02	...	1.11	0	18	...	...	...	...	Carl Perry
Sutton	Braxton	850	29	60.4	−2.9	86	9†	31	19	47	7.60	+3.02	1.05	0	12	19	0	12	...	C. B. Eakle
Thornwood	Pocahontas	2,723	1	...	...	...	...	...	...	...	4.40	...	1.70	0	10	...	...	...	...	Eva R. Smith
Union	Monroe	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. King
Wayne	Wayne	598	8	...	...	...	...	...	...	...	5.95	...	1.63	0	16	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	60.1	−0.4	84	3†	34	17	43	3.95	+0.53	0.75	0	14	24	2	5	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	61.4	−3.6	84	29	40	1	33	6.98	+2.90	1.25	0	17	7	13	11	sw.	J. E. Dotson
State averages and	extremes	...	...	59.2	−2.4	92	28	26	1†	50	6.07	+2.05	3.11	0	13	12	7	12	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for May, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖	Potomac	....	1.03	.20	....	.15	.75	.86	....	.38	....	....	.25	.68	.07	....	.02	....	....	T.	1.17	.13	.11	....	....	....	....	....	.14	.03	....	....	5.97
Brandywine	do	....	.30	.10	....	....	.50	.50	....	....	.15	....	....	.15	.55	.15	T.	....	....	....	....	.65	....	.15	....	....	....	....	....	T.	.25	....	3.45
Circleville	do	....	....	.68	.28	....	.18	1.52	.17	....	.39	....	....	....	.84	.50	....	.08	....	....	....	.74	.12	.46	T.	.02	....	....	....	....	.17	.09	6.24
Harpers Ferry ‖	do	....	....	.50	.13	....	.04	.74	.13	....	.02	....	....	.07	T.	T.	....	....	....	....	....	.41	T.	.05	....	....	....	....	....	....	.05	....	2.14
Kearneysville	do	....	.58	.15	....	....	.42	.60	....	.05	....	....	....	.07	.05	....	....	....	....	....	....	.47	....	.03	....	....	....	....	....	T.	....	....	2.42
Martinsburg ‖	do	....	.01	.90	.10	.01	.01	.75	.05	....	.02	....	....	.05	.10	....	....	....	....	....	....	.50	.02	.02	....	....	....	....	....	....	T.	....	2.54
McNeill	do	....	.38	.75	....	T.	.95	.20	....	....	.25	....	T.	.07	.33	....	T.	....	....	....	T.	1.05	.80	.05	T.	....	....	....	....	T.	.20	T.	5.03
Piedmont	do	....	1.05	.47	.02	.27	.40	.40	....	....	.35	....	....	.07	.11	....	....	T.	....	....	....	.73	....	.02	....	....	....	....	....	T.	....	....	3.89
Romney‖	do	....	.50	.33	.03	....	.50	.32	....	....	.46	....	....	....	.04	....	....	....	....	....	....	.81	....	....	....	....	....	....	....	.03	....	....	3.02
Stony River Dam	do	....	....	1.20	.25	....	.20	.90	.15	....	.74	....	....	....	.48	.45	....	....	....	....	....	1.23	....	.42	.20	....	....	....	....	....	.25	....	6.47
Upper Tract	do	....	.31	.52	....	T.	.98	T.	....	....	.20	....	....	....	....	.43	....	....	....	....	....	.85	T.	....	....	....	....	....	....	....	.27	....	3.56
Wardensville‖	do	....	T.	....	.58	....	.03	.87	....	....	.10	....	....	....	.12	.13	....	....	....	....	....	.77	....	.12	.02	....	....	....	....	....	.25	....	2.99
Northern Division																																	
Aberdeen	Monongahela	....	.76	.44	....	.06	.41	1.18	....	....	.69	....	....	.18	.96	T.	T.	T.	....	....	....	1.26	....	.20	....	....	....	....	....	T.	....	T.	6.14
Alma (near)	Ohio	....	1.03	.72	....	.08	.35	.82	....	....	.63	....	.02	.26	.56	.02	.02	.04	....	....	.06	1.04	....	.20	....	....	....	....	....	.10	....	....	5.95
Alpena	Monongahela	....	.37	.63	....	.06	1.03	.75	....	....	.72	....	....	.35	1.00	.03	T.	....	....	....	....	1.29	T.	.21	....	....	....	....	....	T.	.11	....	6.55
Benson	do	....	.90	.40	....	.15	.15	1.00	....	....	.75	....	....	.35	.85	.02	.02	....	....	....	....	1.18	.32	.05	....	....	....	....	....	.02	....	....	6.16
Bens Run	Ohio	....	1.04	.58	....	.09	.55	.61	....	....	.34	....	.40	.36	.85	....	.06	....	....	....	.10	.10	....	.20	....	....	....	....	....	.28	....	....	5.56
Brownsville	Monongahela	.03	.66	.83	....	.67	.56	.03	....	....	.58	....	....	.42	1.02	....	....	.03	....	....	....	1.50	.02	.10	....	....	....	....	....	....	....	....	6.45
Buckhannon	do	....	.70	.40	T.	T.	1.30	.57	....	....	.40	....	....	.30	.78	....	....	....	....	....	T.	1.35	T.	....	.08	....	....	....	....	.07	.05	....	6.00
Cairo	Little Kanawha	....	.97	.49	....	....	.29	....	....	.50	.85	....	....	.53	1.00	....	.09	....	....	....	....	....	....	1.10	....	....	....	....	....	.09	....	....	5.91
Clarksburg‖	Monongahela	....	.17	1.02	.01	.01	.21	.97	.01	....	.43	....	....	.11	.50	.18	....	....	....	....	....	1.16	....	.04	.04	....	....	....	....	....	.03	....	4.89
Crawford‖	do	....	.79	.60	....	.03	1.43	.50	....	....	.63	....	....	.42	1.42	.04	.03	....	....	....	T.	1.63	.05	.07	....	....	....	....	....	.02	.06	....	7.72
Creston‖	Little Kanawha	....	....	1.09	....	....	.50	.75	....	....	.42	....	....	.55	.52	.56	....	.59	....	....	....	1.34	....	.21	.06	....	....	....	....	....	.25	....	6.84
Dam 10, Mon. R.‖	Monongahela	....	.23	1.81	.03	....	.11	1.19	.08	....	.13	....	....	....	.22	.13	....	.04	....	....	....	.83	....	.19	....	....	....	....	....	....	.18	....	5.17
Dam 13, O. R.‖	Ohio	....	.62	1.40	....	....	.13	.92	.06	....	....	....	....	.02	.07	T.	....	....	....	....	....	.02	....	.16	....	....	....	....	....	....	.39	....	3.79
Dam 15, Mon. R.‖	Monongahela	....	.20	1.50	.05	.04	.10	.91	.10	....	.21	.03	....	.05	.30	.16	....	.07	....	....	....	1.02	.02	.15	.03	....	....	....	....	....	.05	....	4.99
Davis ‖	do	....	.20	1.03	.37	....	.29	.37	....	....	.74	....	....	....	.61	.93	....	....	....	....	....	1.43	....	.35	.10	....	....	....	....	....	.22	....	6.64
Elizabeth (D'm 3 LK)	Little Kanawha	.42	.12	1.15	....	....	.16	.78	....	....	.81	....	....	.46	1.40	.23	....	.30	....	....	....	1.10	....	.22	.02	....	....	....	....	....	.09	....	7.26
Elkins***	Monongahela	....	.36	.94	....	.11	.93	.20	....	.15	.64	....	.06	.44	.83	....	T.	....	....	....	.24	1.24	.13	T.	....	....	....	....	....	.06	.09	T.	6.42
Fairmont‖	do	.24	1.38	.03	....	.18	.97	.02	....	.25	T.	....	.04	.42	.16	....	.05	....	....	....	1.01	....	.16	.03	....	....	....	....	....	.05	T.	....	4.99
Glenville ‖	Little Kanawha	....	....	1.20	.04	....	.21	1.46	.05	....	.42	.08	....	.44	.35	.96	....	.04	....	....	....	1.86	....	.12	.04	....	....	....	....	....	.05	....	7.32
Grafton ‖	Monongahela	....	.96	.40	....	.18	1.00	1.00	....	....	1.00	....	T.	.18	.68	.08	T.	....	....	....	T.	1.20	....	.15	....	....	....	....	....	.10	....	....	6.93
Hastings	Ohio	....	1.60	.50	....	.16	.06	1.42	....	....	.97	....	....	.13	.60	.02	T.	.03	....	....	....	.81	T.	.35	.01	....	....	....	....	.21	.05	....	6.92
Horner	Monongahela	....	.66	....	....	....	1.50	.70	....	....	.35	....	....	.30	....	....	....	....	....	....	.25	.60	....	.10	....	....	....	....	....	.03	....	....	4.49
Horton	do	....	.36	.67	....	....	.87	.35	....	....	.53	....	....	.38	.79	.06	.02	.03	....	....	.01	.91	.03	.13	T.	....	....	....	....	....	.37	....	5.51
Janelew (near)	do	....	.80	.42	....	.15	.45	1.10	....	....	.60	....	....	.30	.95	....	....	....	....	....	....	1.32	....	.30	....	....	....	....	....	....	....	....	6.39
Lost Creek	do	....	.78	.27	....	.03	1.25	.73	....	....	.94	....	T.	.34	.84	T.	T	....	....	....	T.	1.26	.04	T.	....	....	....	....	....	.04	....	T.	6.52
Mannington	do	....	1.76	.40	....	.12	.27	.73	....	....	.47	....	.01	.14	.41	.01	.03	.04	....	....	T.	1.00	.01	.19	....	....	....	....	....	.16	.03	....	5.78
Morgantown	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
New Cumberland‖	Ohio	....	1.03	.87	....	....	.08	1.21	.06	....	.13	....	....	.06	.17	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	.08	.23	....	3.98
New Martinsville	do	....	2.50	.42	....	....	.80	.60	....	....	.48	....	....	.10	.44	....	....	....	....	....	....	.48	....	.36	....	....	....	....	....	.42	....	....	6.60
Parkersburg***	do	T.	1.25	.16	T.	.05	.86	.23	....	.04	.23	....	.31	.82	1.33	....	.14	....	....	....	.41	.37	.14	T.	....	....	....	....	....	.07	....	T.	6.41
Parsons	Monongahela	....	1.20	*	*	*	1.60	T.	....	....	T.	....	T.	.05	1.20	....	T.	....	....	....	T.	*	1.03	....	....	....	....	....	....	.20	....	....	5.28
Parsons No. 2	do	....	.88	.32	....	.11	.89	.70	....	....	.79	....	....	.05	1.31	.01	....	....	....	....	....	1.28	T.	.24	....	....	....	....	....	.09	....	....	6.67
Philippi	do	....	.20	1.15	.04	....	.12	1.50	....	....	.49	....	....	.10	.44	.88	....	....	....	....	....	1.10	....	.16	.02	....	....	....	....	....	.02	.04	6.26
Pickens	do	....	.50	1.07	....	.33	.70	.77	....	....	.91	....	....	.40	.80	.16	.13	....	....	....	.05	1.07	.22	.22	.05	....	....	....	.25	....	....	....	7.63
Reedsville	do	....	1.62	....	.04	.26	.98	.12	....	.92	....	....	.08	.35	.06	....	.07	....	....	....	.87	....	.10	.02	....	....	....	....	....	.07	....	....	5.56
Roanoke	do	....	.72	.63	....	....	1.20	.69	....	....	.62	....	.32	....	1.86	....	.04	....	....	....	....	1.43	.05	.08	....	....	....	....	....	.05	....	....	7.69
Saint Marys‖	Ohio	.21	1.55	....	....	T.	.14	1.30	....	.04	.34	....	....	.28	.81	.22	....	.11	....	....	....	.88	....	.16	....	....	....	....	....	....	.11	.02	6.17
Terra Alta	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Thomas ‖	do	....	T.	1,32	.15	....	.30	1.81	.31	....	.70	....	....	.08	.65	.79	....	....	....	....	....	1.28	....	.31	.09	....	....	....	....	....	.15	....	7.94
Valley Chapel	do	....	.70	.38	....	.05	.92	1.33	....	....	1.10	....	....	.27	.93	.02	.01	.01	....	....	....	1.11	.16	.15	.01	....	....	....	....	.04	....	....	7.18
Vandalia	do	....	.55	.42	....	1.55	.50	....	....	.55	....	....	.30	....	2.43	....	....	....	....	....	....	1.70	....	....	....	....	....	....	....	....	.15	....	8.15
Wellsburg	Ohio	....	1.70	.44	....	T.	.31	.64	....	....	.16	....	T.	.19	T.	....	....	....	....	....	....	....	....	.09	....	....	....	....	....	.37	....	....	3.90
West Milford	Monongahela	....	.90	.35	.38	....	1.50	.10	....	....	....	.85	....	.20	1.25	....	....	....	....	....	1.35	....	....	....	....	....	....	....	....	....	....	....	6.88
Weston	do	....	.05	.98	.01	....	.11	1.54	.08	....	.52	....	....	.21	.20	.85	....	.01	....	....	....	1.34	.01	.09	T	....	....	....	....	....	.01	....	6.01
Wheeling (Dam 12)‖	Ohio	....	.44	1,24	....	.10	.90	.03	....	....	.28	....	....	T.	.18	T.	....	....	....	....	....	....	....	.15	....	....	....	....	....	....	.69	....	4.01
Woodlands‖	do	....	.20	2.52	.01	.01	.16	.92	.05	....	.66	....	....	....	.18	,02	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	.44	.01	5.33
Southern Division																																	
Arbovale	Great Kanawha	....	.48	.04	....	....	1.75	.83	....	....	.38	....	....	.18	.08	.32	.28	....	....	....	.56	....	....	.30	.12	....	....	....	....	.08	.28	....	5.68
Bancroft ‖	do	....	....	1.05	....	....	.36	.97	....	....	.44	....	....	.34	....	1.28	....	.10	....	....	....	1.44	....	.11	.13	....	....	....	....	....	.25	....	6.47
Beckley	do	....	.76	.55	.04	.68	.20	.63	....	....	.26	....	.14	.42	.84	.07	.31	.13	....	.05	.32	.51	.04	.32	.57	.07	....	....	....	.08	1.21	.07	8.27
Bluefield	do	....	....	.09	....	....	.34	.57	....	....	.09	....	....	.64	.83	.17	.30	.09	....	....	.49	.21	....	.08	.85	.16	....	....	....	....	....	.55	5.46
Camden-on-Gauley	Gauley	....	....	.66	.01	....	.39	.85	.03	....	.50	....	....	.30	.17	.49	.23	.40	....	....	....	.95	.02	.16	.04	.55	....	....	....	....	.29	.08	6.12
Charleston	Great Kanawha	....	.80	.03	....	.14	.72	.33	....	....	.75	....	.15	.43	.73	.23	.30	.02	....	....	.18	1.34	....	.05	.22	....	....	....	....	....	.33	....	6.75
Clay‖	do	....	T.	.58	....	.05	.44	1.03	.05	....	1.10	....	....	.54	.15	.43	.15	.36	....	....	....	1.20	T.	.17	....	.30	....	....	....	....	.37	.17	7.09
Dam 3 G. K. ‖	do	....	....	.51	.03	....	.11	.35	.13	....	1.27	....	....	.33	.14	.66	.02	.21	....	....	.04	1.14	.06	.09	.07	.50	....	....	....	....	.35	.11	6.12
Dam 6 G. K. ‖	do	....	....	.65	....	....	.09	1.09	.08	....	.50	....	....	.33	.03	.93	.02	.20	....	....	.02	1.25	.05	.09	.01	.16	....	....	....	....	.15	....	5.65
Dam 19 O. R. ‖	Ohio	....	.20	1.28	....	T.	.08	.99	....	....	.22	....	....	.42	1.27	.28	T.	.20	....	....	....	.83	....	.17	T.	....	....	....	....	....	.06	T.	6.00
Dam 20 O. R. ‖	do	....	.09	1.15	T.	T.	.06	1.04	.03	....	.21	....	....	.59	1.00	.28	T.	.33	....	....	....	.90	....	.16	.02	....	....	....	....	....	.08	.01	5.95
Dam 25 O. R. ‖	do	....	....	1.38	....	....	.13	.85	....	....	.48	....	....	.65	1.03	.44	....	.11	....	....	....	1.41	....	.46	.05	....	....	....	....	....	.18	....	7.17
Dam 26 O. R. ‖	do	....	....	3.11	.03	....	.40	.83	....	....	.17	....	....	.35	.29	.63	.02	.06	....	....	....	1.38	....	.15	.15	....	....	....	....	....	.51	....	8.08
Gary ‖	Big Sandy	....	....	.17	.05	....	.36	1.17	.05	....	.18	....	....	.80	.56	1.15	.02	.30	....	....	.23	.72	....	.01	.32	.69	....	....	....	....	.60	.35	7.73
Hinton‖	do	....	....	.45	.12	....	.60	1.52	.01	....	.06	....	....	.32	.15	.57	.45	.32	....	....	.01	.54	T.	.03	.03	.40	....	....	....	....	.28	T.	5.86
Huntington	Ohio	....	.65	.41	....	.30	.24	.38	....	....	.34	....	1.85	.08	1.37	.16	.09	T.	....	.13	.54	.96	.26	.03	....	....	....	....	....	T.	.12	....	7.91
Kanawha Falls‖	Great Kanawha	....	....	.51	.09	....	.29	.48	.25	....	.82	....	....	.28	.06	.81	.02	.26	....	....	.03	1.30	.12	.11	.12	.87	....	....	....	....	.43	.14	6.99
Kayford‖	do	....	....	.52	....	....	.49	.72	.04	....	.84	....	....	.28	.09	.62	.08	.30	....	....	....	1.23	....	.11	.10	1.72	....	....	....	....	.28	.03	7.45
Kingston	do	....	.60	.06	....	....	.50	.50	....	....	.60	....	....	.35	.50	.15	.21	....	....	....	.50	.55	....	.18	.65	....	....	....	....	....	.31	....	5.66
Lewisburg	do	....	.73	.35	....	....	.87	.66	....	....	.80	....	....	....	.32	.31	.40	.36	.41	....	.15	.14	....	.26	.29	.11	....	....	....	....	.60	....	6.76
Logan‖	Guyandotte	....	....	.44	.05	....	.25	.80	....	....	.40	....	....	.45	.50	.83	.05	.19	....	....	.10	1.38	....	.05	....	.80	....	....	....	....	.40	.25	6.94
Madison	Great Kanawha	....	.65	....	....	.30	.64	....	....	.75	....	....	.58	.40	.49	.15	.10	....	....	....	1.70	....	.05	.25	.70	....	....	....	....	.26	....	....	7.02
Marlinton	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Point Pleasant‖	Ohio	....	....	1.34	.02	....	.24	.80	....	....	.66	....	.66	....	.64	.36	.04	.12	....	....	....	1.66	....	.44	.02	....	....	....	....	....	.86	....	7.86
Rainelle	Meadow Creek	....	.63	.49	.03	.01	.58	.71	....	....	.15	....	.02	.30	.48	.25	.53	.05	....	....	.30	.53	....	.60	.68	.02	....	....	....	.03	1.49	.01	7.89
Ravenswood (Dam 22	Ohio‖	....	....	1.16	....	.02	.20	1.00	.05	....	.75	....	....	.62	.65	.75	T.	.20	....	....	....	1.20	....	.22	....	....	....	....	....	....	.17	....	6.99
Richwood	Great Kanawha	....	.56	.16	....	....	.65	1.25	....	....	.37	....	....	.68	.48	.33	.32	.02	....	....	.06	.77	.07	.30	.16	.03	....	....	....	....	1.03	.02	7.26
Robertsburg‖	do	....	....	2.35	.21	....	.64	.61	T.	....	.31	....	....	.50	.21	.63	.02	.10	....	....	T.	1.47	....	.24	.06	....	....	....	....	....	.07	....	7.42
Ryan	do	....	.80	.60	....	.04	1.00	.51	....	....	.55	....	.35	....	.75	....	.31	....	....	....	.32	1.52	.22	.22	....	....	....	....	....	.05	.43	....	7.67
Sharples‖	Coal River	....	....	T.	T.	.10	1.22	....	....	.13	.17	....	.83	.47	.42	.23	....	....	....	....	....	1.13	....	....	.18	....	....	....	....	....	.15	.10	5.13
Spencer ‖	Great Kanawha	....	....	1.68	....	....	.27	.84	.04	....	.38	....	....	.62	.53	1.38	.04	.39	....	....	....	1.85	....	.17	.02	....	....	....	....	....	.10	....	8.31
Summersville	do	....	....	.62	.20	....	.28	1.11	.05	....	.52	....	....	.37	.03	.79	.25	.42	....	....	....	.98	.02	.16	.07	.58	....	....	....	....	.54	.03	7.02
Sutton	Gauley	....	.45	.35	....	....	.85	.65	....	....	1.05	....	....	.90	.90	....	.45	....	....	....	....	1.00	....	.50	.10	....	....	....	....	....	.40	....	7.60
Thornwood	Great Kanawha	....	.50	.10	....	.10	1.70	....	....	.40	....	....	....	.10	.40	....	.20	....	....	....	.70	.20	....	....	....	....	....	....	....	....	....	....	4.40
Union	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wayne‖	Big Sandy	....	....	.79	....	....	.22	.89	....	....	.58	....	.31	....	.40	.39	.04	.20	.03	....	....	1.63	....	.10	.02	.14	....	....	....	....	.19	.02	5.95
White Sulpr. Spgs.‖	Great Kanawha	....	.40	.05	....	.25	.75	....	....	....	....	....	.25	....	.30	.10	.35	....	....	.05	.40	....	.10	.25	.50	....	....	....	.20	....	....	....	3.95
Williamson‖	Big Sandy	....	....	.50	.03	....	.60	.53	....	....	.60	....	....	.28	1.25	.92	.20	.23	....	....	.34	.68	....	.01	.07	.19	....	....	....	....	.10	.45	6.98

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for May, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	55	61	70	65	68	70	62	67	70	70	73	71	65	65	62	63	60	67	65	63	67	57	57	63	71	78	80	75	70	73	70	66.9
	Minimum	30	39	50	35	35	50	52	40	53	32	30	50	53	43	32	37	36	28	35	43	31	46	29	32	30	33	40	48	56	52	43	40.1
Brandywine	Maximum	65	62	76	62	72	75	72	72	73	76	79	78	75	74	72	60	67	68	73	68	68	70	62	57	70	74	82	84	85	80	82	72.0
	Minimum	31	40	52	48	38	47	50	46	40	55	38	36	54	55	50	41	40	32	31	40	47	38	45	44	37	35	39	44	50	52	51	43.4
Kearneysville	Maximum	65	60	51	54	52	61	73	69	79	76	76	72	73	76	66	62	72	71	77	69	72	72	69	64	72	81	84	88	88	79	72	70.8
	Minimum	39	44	46	47	44	49	53	45	54	46	48	45	44	59	49	38	46	41	45	45	50	40	48	39	40	44	47	57	61	62	55	47.4
Martinsburg*	Maximum	67	51	54	56	53	61	77	70	73	83	82	77	72	76	70	61	76	75	80	68	76	76	67	70	76	85	85	92	88	80	..	72.6
	Minimum	42	47	45	48	45	48	51	47	45	54	49	47	57	58	56	42	46	42	45	50	50	41	49	42	38	40	50	55	60	64	58	48.7
McNeill	Maximum	65	59	59	62	67	65	73	72	78	79	78	79	76	73	70	63	72	70	76	66	72	76	57	61	71	82	87	89	84	80	80	72.3
	Minimum	40	43	48	46	40	51	56	45	40	57	37	36	56	57	51	44	42	30	31	49	54	34	45	34	34	34	39	46	54	61	48	44.3
Piedmont	Maximum	64	48	55	47	64	66	68	69	76	75	73	75	68	70	66	57	70	66	73	64	69	74	58	62	70	80	82	85	79	77	77	68.6
	Minimum	38	44	47	43	45	40	55	45	43	57	41	50	53	59	50	40	45	36	37	51	49	39	51	35	38	50	54	49	53	55	50	46.5
Romney	Maximum	..	..	..	57	62	62	72	72	75	78	78	78	73	75	73	..	73	71	75	71	72	76	71	69	73	83	86	89	83	78	..	74.0
	Minimum	40	45	48	45	41	50	55	46	43	58	40	39	39	46	50	.	36	33	35	41	50	37	50	43	41	40	41	48	52	61	..	44.6
Wardensville	Maximum	63	..	68	..	68	64	71	66	71	76	75	73	74	71	71	59	69	..	73	63	68	49	59	60	..	77	82	88	84	76	77	70.2
	Minimum	39	45	..	46	..	41	53	45	40	55	40	30	55	52	50	37	43	48	.	39	49	36	36	42	34	..	38	47	50	61	49	44.4
Northern Division																																	
Alpena	Maximum	57	63	73	66	67	69	61	70	74	68	69	73	69	64	65	61	62	59	65	58	62	65	57	50	61	71	77	79	73	70	70	66.1
	Miuimum	31	43	50	35	35	52	48	41	38	52	33	32	51	53	44	36	39	29	28	36	48	35	43	35	31	30	34	41	52	56	45	40.5
Bens Run	Maximum	53	59	69	62	65	68	64	74	70	75	67	64	77	69	57	54	67	67	65	65	63	73	58	58	60	69	81	86	75	79	82	67.6
	Minimum	37	46	56	42	44	51	52	44	49	60	46	48	58	57	50	48	48	42	42	49	49	46	50	39	41	45	50	56	63	59	58	49.2
Buckhannon	Maximum	61	67	80	66	74	77	69	69	81	80	70	78	74	73	64	64	67	63	66	65	67	73	73	62	66	73	74	82	81	76	84	71.6
	Minimum	34	48	51	44	44	55	55	46	47	45	44	41	56	53	49	44	42	38	36	46	48	44	43	41	38	40	44	56	61	61	56	46.8
Cairo	Maximum	62	60	80	79	78	79	76	78	82	84	74	76	78	81	70	68	72	69	74	76	72	..	75	65	76	64	87	85	78	76	80	75.1
	Minimum	54	30	56	40	44	41	44	42	44	42	39	38	38	39	45	43	35	35	32	34	38	.	41	35	38	34	37	48	56	58	62	42.1
Clarksburg *	Maximum	59	66	80	65	69	78	65	74	83	73	77	80	75	70	65	60	70	67	70	63	70	73	57	64	70	79	82	85	77	80	67	71.4
	Minimum	30	45	49	42	41	50	52	46	44	58	38	40	55	60	49	44	44	34	34	43	49	38	48	37	40	38	42	48	57	60	52	45.4
Creston	Maximum	63	66	82	79	66	77	75	80	84	83	82	78	78	76	73	71	71	71	70	65	75	79	67	68	76	84	83	86	84	81	80	75.9
	Minimum	31	46	57	41	43	52	55	46	44	58	40	39	56	57	50	43	47	35	37	43	49	43	51	39	40	39	42	49	56	62	50	46.5
Elkins	Maximum	60	68	76	63	71	72	64	72	79	69	70	78	73	65	67	55	63	62	66	61	64	68	53	55	63	72	79	83	80	72	72	68.2
	Minimum	35	47	57	39	39	56	48	45	46	49	40	38	56	50	44	41	44	34	33	42	47	41	46	39	36	36	40	46	60	55	49	44.5
Fairmont	Maximum	60	70	82	65	69	77	65	79	88	76	82	82	78	67	71	62	75	71	75	65	72	78	64	67	74	87	88	89	76	79	81	74.6
	Minimum	34	47	50	43	42	51	51	46	48	60	43	43	60	60	48	45	46	37	39	46	50	41	48	38	43	42	47	56	62	60	56	47.8
Glenville	Maximum	62	69	82	83	72	77	69	76	86	88	80	84	81	78	73	74	73	76	74	67	72	75	73	65	71	80	83	87	88	86	83	77.0
	Minimum	32	46	57	43	42	55	58	48	46	60	44	41	57	59	51	44	48	51	38	44	50	45	51	41	43	40	44	50	50	63	54	48.2
Grafton	Maximum	56	64	78	75	73	72	65	75	84	81	75	78	75	72	70	60	70	68	72	64	71	71	66	63	67	72	79	82	80	72	75	71.8
	Minimum	33	49	55	42	42	53	55	45	46	58	40	41	58	56	48	42	45	34	39	44	48	42	49	37	42	39	44	45	56	61	54	46.5
Lost Creek	Maximum	56	63	77	77	64	64	63	71	77	77	75	75	70	68	62	63	69	65	65	65	64	63	59	58	70	79	79	80	80	74	73	69.2
	Minimum	29	46	54	40	42	51	55	45	42	57	38	38	53	55	49	42	40	33	33	41	49	38	39	36	39	36	40	49	60	60	50	44.5
Mannington	Maximum	60	60	78	76	65	72	65	68	81	77	71	76	73	71	64	61	67	64	69	66	68	69	65	63	67	75	78	81	79	75	75	70.3
	Minimum	31	47	55	40	42	50	52	44	43	58	39	40	58	55	48	43	45	34	34	42	48	37	47	34	35	38	43	50	56	57	54	45.1
Morgantown	Maximum	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland*	Maximum	57	55	75	50	61	61	61	70	82	71	71	73	73	61	64	65	72	66	70	65	71	69	61	67	73	80	81	86	71	77	75	68.9
	Minimum	37	41	43	39	39	44	41	37	39	50	39	44	51	56	40	40	44	35	35	40	48	33	45	37	36	40	45	58	64	49	52	43.3
New Martinsville	Maximum	59	60	80	76	65	64	65	75	85	80	77	80	77	74	67	65	70	69	73	68	72	74	67	67	75	81	82	87	81	81	79	73.4
	Minimum	34	45	54	40	44	49	53	41	45	59	42	44	58	55	47	46	48	37	36	46	49	41	48	39	37	40	45	53	64	58	56	46.9
Parkersburg	Maximum	57	61	80	51	70	72	68	73	84	73	74	78	77	66	66	55	68	66	68	62	71	74	59	64	71	79	80	85	75	78	76	70.4
	Minimum	37	49	51	39	44	51	51	44	49	56	48	48	58	53	50	46	50	43	42	49	48	49	47	41	40	44	49	58	64	60	60	49.0
Parsons	Maximum	62	65	78	68	73	74	67	78	83	72	75	80	77	70	73	51	68	68	70	65	69	80	57	60	60	75	84	87	82	75	77	71.7
	Minimum	33	45	56	40	41	56	49	45	47	51	40	37	57	51	50	40	43	33	33	41	47	40	45	40	37	37	41	46	52	60	52	44.7
Pickens	Maximum	64	63	76	65	71	71	66	73	78	69	70	79	70	63	64	58	64	63	68	60	63	69	55	52	63	69	79	79	80	69	71	67.9
	Minimum	26	26	50	36	40	52	47	45	50	49	36	39	50	50	46	38	39	29	40	37	42	38	43	39	32	40	42	42	56	43	45	41.5
Reedsville	Maximum	..	61	76	73	68	71	64	71	79	76	69	77	70	67	63	61	64	62	67	63	66	68	60	61	66	75	77	75	73	71	..	68.8
	Minimum	..	42	53	37	39	50	50	39	41	56	34	34	55	53	44	36	40	28	28	37	47	32	44	30	35	33	37	69	51	57	..	42.4
Wellsburg	Maximum	60	61	79	76	64	58	62	69	85	77	76	74	72	69	67	65	70	68	73	65	74	74	65	68	74	82	83	86	80	80	78	72.1
	Miuimum	32	42	49	39	41	44	50	36	38	44	30	39	49	56	39	35	43	30	43	36	46	31	45	30	32	35	41	52	60	49	54	41.6
Weston	Maximum	60	65	82	80	73	74	72	75	82	80	81	82	80	72	70	63	70	68	70	68	70	71	69	65	71	79	82	83	81	80	81	74.6
	Minimum	34	50	60	40	42	52	60	50	48	54	40	42	58	60	50	40	45	38	40	42	50	40	48	38	42	43	44	52	62	60	52	47.6
Wheeling (Dam 12)	Maximum	60	61	77	48	64	65	62	69	82	71	78	72	72	59	64	62	68	64	73	63	72	72	63	68	74	80	81	83	72	79	76	69.5
	Minimum	36	42	41	40	40	46	41	38	41	50	42	42	43	52	48	39	46	32	38	44	50	38	47	37	39	43	48	56	61	55	59	44.3
Southern Division																																	
Beckley	Maximum	79	78	75	70	70	73	67	75	77	70	74	76	74	69	62	51	64	66	62	59	62	69	64	53	62	72	76	79	80	73	72	69.5
	Minimum	31	47	52	43	43	53	56	43	51	52	39	40	53	56	48	42	42	33	36	45	44	43	47	44	48	34	39	45	55	58	50	45.5
Bluefield	Maximum	71	78	79	70	..	78	72	76	77	73	74	..	78	77	68	54	65	68	..	68	52	70	66	58	62	..	76	79	80	..	77	71.0
	Miuimum	36	54	59	50	.	48	54	49	55	55	48	..	48	57	52	44	46	38	..	44	48	44	49	48	40	..	41	50	58	..	56	48.9
Charleston	Maximum	67	78	82	80	75	84	71	76	86	84	76	85	82	78	74	68	72	72	68	64	71	79	70	58	72	79	84	87	85	80	82	76.4
	Minimum	40	51	61	45	47	60	58	52	52	60	49	53	47	63	53	51	50	43	44	53	52	48	53	49	42	45	48	53	57	64	62	51.8
Gary *	Maximum	74	82	80	70	80	79	70	77	81	72	77	79	79	73	63	58	67	69	60	62	65	67	73	58	64	73	78	81	82	77	76	72.5
	Minimum	34	40	53	53	59	59	59	50	51	58	49	44	57	59	58	52	51	40	43	50	53	52	50	52	44	41	44	46	51	61	58	50.4
Hinton *	Maximum	79	86	82	70	72	77	76	85	83	82	83	84	84	73	60	58	73	76	64	64	74	79	71	57	71	82	87	90	90	85	83	76.8
	Minimum	37	43	51	52	49	54	58	47	50	57	48	44	51	59	57	52	47	42	43	49	50	45	48	50	42	43	46	47	52	56	59	49.3
Huntington	Maximum	65	79	81	78	75	75	67	74	85	83	78	84	80	78	68	65	73	73	69	61	76	79	63	63	77	80	82	86	83	80	83	75.6
	Minimum	39	50	60	43	45	53	59	51	50	61	47	48	59	58	51	49	49	43	47	50	50	48	52	46	40	45	49	55	64	65	59	51.1
Lewisburg	Maximum	83	82	81	69	71	79	73	80	82	79	75	81	76	69	77	76	79	83	80	63	67	75	72	63	68	80	84	86	86	86	80	76.9
	Miuimum	41	42	40	48	45	54	56	41	45	40	54	42	53	43	50	53	54	52	54	50	47	38	50	46	40	34	42	40	50	60	54	47.0
Madison	Maximum	74	82	68	64	80	65	71	73	86	76	74	84	81	70	65	58	70	72	62	63	70	76	69	56	71	78	82	86	83	80	81	73.2
	Minimum	45	54	43	44	43	43	46	47	50	46	44	48	58	51	50	47	40	40	50	49	45	50	49	43	42	44	48	49	56	61	51	47.6
Point Pleasant	Maximum	59	67	81	79	71	70	66	74	83	82	74	72	78	77	68	67	71	70	69	63	71	73	63	63	73	78	81	84	83	77	81	73.2
	Minimum	36	47	57	40	44	51	57	48	49	60	47	47	56	57	50	45	49	40	43	47	48	46	50	43	39	43	48	54	65	61	58	49.2
Rainelle	Maximum	69	78	74	64	64	69	68	76	77	72	75	80	76	75	61	53	63	66	69	59	63	63	59	56	62	77	78	81	80	74	75	69.5
	Minimum	29	39	48	42	44	50	54	42	47	53	37	34	51	57	51	44	42	32	33	46	46	35	47	43	34	32	35	49	44	58	50	43.5
Ravenswood	Maximum	66	68	82	80	72	76	75	78	84	81	79	84	82	74	65	63	71	73	68	70	76	76	69	66	72	80	80	86	86	91	82	76.0
	Minimum	32	49	58	41	44	52	54	44	48	59	43	45	57	43	51	47	50	38	40	46	49	44	52	43	39	41	46	54	63	61	54	48.0
Richwood	Maximum	66	82	72	72	69	66	74	75	78	76	86	79	74	75	65	59	65	66	66	60	62	68	62	52	63	74	79	84	80	76	75	71.0
	Minimum	32	51	53	41	39	43	54	43	54	47	40	39	54	55	50	44	44	34	32	44	48	40	49	46	35	35	39	43	47	47	53	44.4
Robertsburg*	Maximum	65	71	82	71	71	77	63	77	86	72	77	82	79	66	71	55	70	74	65	62	71	73	60	64	72	81	83	86	76	79	79	72.9
	Minimum	34	44	53	42	42	51	57	51	49	60	44	49	52	61	52	49	50	40	43	47	49	46	51	44	40	42	47	53	61	64	56	49.1
Spencer *	Maximum	65	68	54	70	70	75	65	76	83	74	76	82	75	66	68	56	79	72	66	62	71	74	58	63	71	78	81	77	79	77	80	71.3
	Minimum	33	50	54	42	50	54	58	50	48	59	43	44	51	61	51	47	48	39	40	46	50	45	50	43	43	41	45	53	60	63	53	48.8
Sutton	Maximum	64	64	76	76	75	75	64	74	86	86	76	80	80	77	69	69	68	78	78	66	70	70	62	56	68	78	83	85	85	80	77	74.0
	Minimum	33	44	56	43	42	56	53	51	45	58	42	40	55	58	51	43	42	37	31	44	49	42	50	44	41	38	41	50	53	63	54	46.7
White Sulphur Spgs.	Maximum	73	83	84	71	70	80	74	80	78	80	81	82	80	75	61	60	71	72	69	65	69	77	72	60	69	76	81	84	84	80	80	74 9
	Minimum	35	40	51	45	45	52	42	46	49	43	40	47	56	51	48	45	34	35	43	45	44	50	51	41	39	39	42	48	56	57	44	45.3
Williamson*	Maximum	73	69	71	69	68	71	72	72	73	71	75	76	72	70	62	58	71	73	59	61	69	72	64	61	68	73	71	80	84	70	77	70.2
	Minimum	40	47	59	49	49	55	59	49	52	59	51	49	59	62	55	55	52	45	48	53	52	49	49	54	46	46	49	52	56	66	64	52.6

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

																																	Total
Clarksburg	Evaporation	.223	.134	.010	.244	.033	.020	.050	.133	.166	.211	.166	.200	.124	.070	.088	.203	.067	.207	.194	.132	.059	313	.108	.028	.111	.177	.167	.211	.245	.077	.123	4.294
	Wind movement	140	34	38	146	40	20	29	83	11	58	54	16	11	24	47	54	29	39	31	20	40	41	27	16	31	18	11	35	27	35	12	1,223

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIII   Parkersburg, W. Va., June, 1935   No. 6

GENERAL SUMMARY

June was much cooler and considerably wetter than usual, with the percentage of sunshine much below the normal. This was the coolest June since 1929, and the wettest since 1928. The rainfall occurred during thundershowers and was unfavorably distributed, the greatest amounts were received over the middle Ohio River counties and mountain districts, and the least in scattered localities of the northeastern panhandle section. There were a number of stations recorded from 10 to 12 consecutive days with measurable precipitation. Temperatures were unusually low for the season during the first decade, readings were near freezing at several mountain stations. The maximum temperatures were well within previous records. Heavy to excessive rains caused much local damage in scattered sections. On account of the continued cool, wet weather during the first half of the month, planting of corn and cultivation was much retarded. Early planted corn was backward early in the month, but made excellent growth during the last two decades, although many fields were weedy. At the close of the month, haying was general and wheat was being cut in most districts, with fair to good yields, and pastures and meadows were generally in good to excellent condition.

TEMPERATURE

The monthly mean for the State, determined from 52 stations, was 68.4°, or 1.2° below the normal. The temperature was nearly continuously below the normal, with the lowest readings on the 1st, 6th, and 10th. Moderately warm weather prevailed on the 2d and 3d, 13th to the 18th, and from the 27th to the 30th, with the highest temperatures occurring generally on the 18th and 29th. The highest monthly mean temperature was 72.8° at Bancroft, and the lowest was 61.1° at Alpena. The highest temperature was 98° at Hinton on the 18th, and the lowest, 32° at Bayard on the 1st, making the monthly range for the State 66°. The greatest daily range was 51° at Wellsburg.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 5.20 inches, which was 0.83 inch more than the normal. The greater portion of the precipitation was received on the 3d-4th, 8-9th, 15th-22d, and 29th, the greatest amounts being recorded on the 8th, 16th, and 29th. The greatest monthly precipitation was 9.27 inches at Alpena, and the least, 2.29 inches at Upper Tract. The greatest amount in any 24 consecutive hours was 1.85 inches at Parsons on the 8th. The average number of days with .01 inch or more of precipitation was 14.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Berkeley, 22d; Cabell, 30th; Monongalia, 29th; Upshur, 22d.

MISCELLANEOUS PHENOMENA

Fogs, dense: Creston, 6th, 12th, 13th, and 14th; Elkins, 1st, 6th, 10th, 19th, 25th, 26th, 28th, 29th, and 30th; Hinton, 25th and 29th; Huntington, 25th; New Cumberland, 1st, 12th, and 13th; Pt. Pleasant, 6th, 13th, and 25th; Reedsville, 13th, 25th, and 29th; Romney, 17th and 30th.

Thunderstorms (dates and number of stations reporting): 2d, 2; 3d, 4; 5th, 2; 6th, 2; 7th, 1; 12th, 2; 13th, 2; 14th, 6; 15th, 3; 16th, 2; 17th, 2; 18th, 5; 19th, 2; 20th, 1; 21st, 3; 22d, 3; 23d, 1; 25th, 2; 26th, 1; 27th, 2; 28th, 2; 29th, 11; 30th, 6.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.95	30.18	25	29.52	18	6.6	24	sw.	19	79	62	70	57
Columbus, Ohio	29.94	30.21	1	29.52	18	9.2	41	sw.	18	75	54	61	54
Elkins	29.99	30.26	25	29.59	18	5.3	28	sw.	21	86	62	77	51
Parkersburg	29.99	30.25	25	29.57	18	5.8	20	nw.	2	81	56	69	52
Pittsburgh, Pa	29.95	30.24	1	29.57	17	9.0	34	nw.	18	79	60	66	56
Wytheville, Va	29.95	30.19	2	29.61	18	5.7	22	w.	21	75	52	68	63

COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	71.2	+1.6	......	......	5.02	+0.65	......	......	......	....	....	....	....
1892	74.1	+4.5	99	41	3.90	−0.47	......	......	......	....	....	....	....
1893	70.2	+0.6	99	40	3.81	−0.56	6.41	1.83	......	10	13	10	7
1894	70.4	+0.8	103	32	3.27	−1.10	6.78	1.25	......	8	16	10	4
1895	72.1	+2.5	102	38	2.92	−1.45	5.66	1.20	......	7	15	10	5
1896	69.8	+0.2	95	30	5.35	+0.98	9.86	**0.11**	......	10	8	14	8
1897	69.3	−0.3	96	35	4.31	−0.06	6.77	1.31	......	10	12	12	6
1898	70.9	+1.3	99	41	3.21	−1 16	7.50	0.66	......	10	14	11	5
1899	72.0	+2.4	98	35	4.99	+0.62	8.93	1.46	......	11	14	9	7
1900	71.2	+1.6	98	41	5.30	+0.93	**15.62**	2.49	......	13	9	12	9
1901	70.7	+1.1	104	32	5.67	+1.30	11.10	1.37	......	13	12	12	6
1902	68.0	−1.6	100	33	5.19	+0.82	8.49	2.45	......	12	11	13	6
1903	65.1	−4.5	93	34	4.80	+0.43	12.30	2.01	......	13	8	11	11
1904	69.5	−0.1	97	36	4.20	−0.17	8.29	2.05	......	13	10	13	7
1905	70.6	+1.0	100	34	4.38	+0.01	7.72	1.47	......	11	13	11	6
1906	70.9	+1.3	101	38	5.25	+0.88	9.32	2.84	......	14	11	12	7
1907	65.3	−4.3	97	33	6.00	+1.63	11.95	1.93	......	14	10	11	9
1908	69.2	−0.4	98	36	3.12	−1.25	6.75	1.35	......	9	15	10	5
1909	71.1	+1.5	101	35	5.75	+1.38	9.19	2.47	......	16	9	13	8
1910	66.6	−3.0	96	32	5.67	+1.30	11.27	1.52	......	13	10	10	10
1911	70.7	+1.1	101	40	4.44	+0.07	9.34	1.88	......	11	14	10	6
1912	67.3	−2.3	95	29	4.27	−0.10	9.21	1.11	......	11	13	10	7
1913	69.5	−0.1	99	29	3.44	−0.93	6.55	0.86	......	9	18	8	4
1914	72.0	+2.4	100	30	3.00	−1.37	6.60	0.62	......	8	15	11	4
1915	67.7	−1.9	95	33	3.63	−0.74	7.09	1.21	......	9	15	8	7
1916	65.8	−3.8	94	35	5.42	+1.05	14.54	2.50	......	12	14	8	8
1917	67.7	−1.9	99	31	3.81	−0.56	6.58	1.38	......	12	14	9	7
1918	68.2	−1.4	99	34	4.17	−0.20	10.11	0.87	......	8	16	7	7
1919	73.0	+3.4	100	40	5.06	+0.69	10.15	1.67	......	10	16	8	6
1920	67.9	−1.7	98	36	5.01	+0.64	9.70	2.53	......	12	13	7	10
1921	72.4	+2.8	101	38	4.01	−0.36	8.67	0.47	......	9	15	9	6
1922	70.7	+1.1	97	33	4.66	+0.29	7.95	1.75	......	11	12	9	9
1923	70.2	+0.6	102	35	4.54	+0.17	10.37	1.25	......	11	16	7	7
1924	68.7	−0.9	98	32	4.67	+0.30	7.63	1.90	......	13	13	8	9
1925	72.2	+2.6	**109**	35	3.51	−0.86	8.06	1.05	......	9	16	8	6
1926	65.9	−3.7	95	31	3.85	−0.52	9.18	0.90	......	11	13	8	9
1927	65.7	−3.9	99	29	4.08	−0.29	9.93	2.10	......	11	12	8	10
1928	66.7	−2.9	96	33	**7.37**	+3.00	11.69	1.55	......	19	7	9	14
1929	68.2	−1.4	100	28	3.50	−0.87	8.92	1.56	......	8	16	9	5
1930	68.9	−0.7	105	**27**	2.87	−1.50	6.42	0.95	......	7	17	8	5
1931	69.8	+0.2	105	33	3.24	−1.13	7.18	1.12	......	9	16	9	5
1932	70.1	+0.5	99	29	4.46	+0.09	9.01	1.73	......	11	14	8	8
1933	71.4	+1.8	104	28	**2.75**	−1.62	7.08	0.52	......	7	18	9	3
1934	**74.3**	+4.7	106	41	3.45	−0.92	6.78	1.36	......	9	17	8	5
1935	68.4	−1.2	98	32	5.20	+0.83	9.27	2.29	......	14	11	11	8
Period	69.6	......	109	27	4.37	......	15.62	0.11	......	11	13	10	7

Climatological Data for June, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	62.0	−1.5	87	17	32	1	44	5.79	+0.34	1.06	0	15	18	6	6	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	67.6	+0.6	92	27	40	1	40	2.55	−0.82	0.90	0	11	14	5	11	sw.	Elmer Keister
Circleville ††	Pendleton	...	3	...	...	...	...	...	...	...	3.70	...	0.76	0	13	...	...	...	...	Moses R. Bennett
Harpers Ferry ††	Jefferson	244	46	...	...	...	...	...	...	...	3.91	+0.26	1.22	0	14	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	5	70.2	...	93	17†	47	10	35	3.21	...	0.92	0	13	10	18	2	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	[a]71.8	+0.8	96[a]	18	50	1†	39[a]	3.99	−0.08	1.05	0	11	17	12	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	68.1	−2.7	95	18	39	1	44	4.14	+0.37	0.93	0	15	5	6	19	w.	John W. McNeill
Piedmont	Mineral	1,053	22	67.4	−0.7	91	18	44	1	37	4.37	+0.85	1.09	0	16	11	12	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	69.5	−0.4	94	18	39	1	48	3.44	−0.53	0.92	0	14	5	17	8	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	...	...	...	...	...	...	...	4.80	+0.78	1.18	0	14	5	11	14	w.	A. C. Becker
Upper Tract	Pendleton	1,230	36	[b]69.6	+2.2	96[b]	18	43[b]	3†	42[b]	2.29	−1.22	0.61	0	5	19	8	3	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	[a]67.0	+1.5	91[a]	18†	41[a]	1	36	2.58	−0.42	0.92	0	14	14	11	5	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	...	...	...	...	...	...	...	5.37	+1.01	1.37	0	15	5	19	6	w.	L. Else Bond
Alma (near)	Tyler	800	8	...	...	...	...	...	...	...	5.16	...	1.08	0	14	12	11	7	...	D. N. Furbee
Alpena	Randolph	2,571	5	61.1	...	81	14†	34	1	41	9.27	...	1.65	0	20	8	15	7	w.	Christian Hertig
Benson	Harrison	1,080	11	67.4	−0.8	91	30	40	1†	42	5.02	+0.71	1.30	0	16	9	19	2	...	R. D. Marts
Bens Run	Pleasants	652	33	69.8	−1.0	90	28†	48	10	30	3.34	−0.93	0.78	0	13	14	9	7	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	69.6	+0.1	92	19	42	1	41	6.61	+2.30	1.32	0	17	7	20	3	...	W. B. Worley
Buckhannon	Upshur	1,411	38	67.8	−0.6	87	18†	45	1†	33	7.13	+2.14	1.10	0	14	15	12	3	...	H. A. Darnall
Cairo	Ritchie	680	34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	68.6	−0.8	91	18	43	1	40	5.26	+0.99	0.73	0	17	5	19	6	w.	Clarksburg Water Board
Crawford	Lewis	1,107	12	...	...	...	...	...	...	...	5.05	+0.28	1.05	0	16	13	14	3	sw.	George W. Blair
Creston	Wirt	640	33	69.8	−0.9	95	28†	44	1	42	7.48	+3.17	1.26	0	16	11	2	17	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	...	...	...	...	...	...	...	4.45	+0.11	0.86	0	15	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	19	...	...	...	...	...	...	...	4.49	+0.99	0.96	0	16	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	...	...	...	...	...	...	...	5.37	+1.38	1.18	0	15	...	...	...	...	Lockmaster
Davis	Tucker	3,093	26	...	...	...	...	...	...	...	7.13	+1.86	1.06	0	14	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	...	...	...	...	...	...	...	7.61	+3.45	0.99	0	17	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	34	65.2	−1.7	88	18	42	1	36	6.19	+1.13	1.43	0	16	2	14	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	29	71.3	+1.0	93	28	47	1	40	5.16	+0.80	0.85	0	14	12	14	4	w.	J. C. Robinson
Glenville	Gilmer	738	41	71.9	+0.8	96	30	47	1	41	5.57	+1.10	0.96	0	14	17	3	10	...	Howard R. Brannon
Grafton	Taylor	1,000	42	68.4	−0.7	91	18	44	1	39	4.56	+0.12	1.55	0	15	10	9	11	...	W. E. Clayton
Hastings	Wetzel	809	...	...	...	...	...	47	1	...	4.61	...	0.98	0	18	17	1	12	w.	L. G. McIntyre
Horner	Lewis	1,044	12	...	...	...	...	...	...	...	7.42	...	1.30	0	15	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	10	...	...	...	...	...	...	...	5.94	+0.88	1.27	0	18	10	15	5	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	69.3	−0.2	90	18†	44	10	39	5.26	+1.19	1.32	0	12	17	7	6	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	66.8	−0.8	90	18	41	1	37	3.86	−0.49	1.30	0	14	9	10	11	w.	Allen Smith
Mannington	Marion	985	32	66.6	−1.2	86	18	43	1†	37	3.80	−0.30	0.96	0	19	8	15	7	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	[a]68.4	−0.9	90	28†	43[a]	1	45[a]	5.57	+1.09	0.95	0	14	16	7	7	sw.	Bruce Davis
New Cumberland	Hancock	671	37	68.2	0.0	90	18	45	10	40	5.96	+1.41	1.49	0	15	8	6	16	nw.	C. H. Hesse
New Martinsville	Wetzel	634	41	70.4	−0.7	91	18	47	10	38	4.05	−0.03	0.64	0	13	9	12	9	s.	Wm. Ankrom
Parkersburg	Wood	638	48	69.8	−1.6	90	18	47	10	29	4.06	+0.06	0.85	0	16	5	10	15	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	67.6	+0.7	94	18	44	1	40	6.97	+1.98	1.85	0	...	8	11	11	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	...	...	...	...	...	...	...	7.05	+2.06	1.38	0	16	17	11	2	...	Robert T. Deem
Philippi	Barbour	1,550	38	...	...	...	...	...	...	...	5.40	+0.36	0.90	0	13	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	32	63.1	−1.8	86	29	38	6	39	6.47	+0.30	1.45	0	17	15	11	4	w.	Dr. J. L. Cunningham
Reedsville[b]	Preston	1,710	...	64.4	...	89	18	34	10	43	5.30	...	1.40	0	16	19	11	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	...	...	...	...	...	...	...	5.92	+1.61	1.47	0	13	15	7	8	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	...	...	...	...	...	...	...	3.12	−0.92	0.60	0	11	...	...	...	...	Wm. Hughes
Thomas	Tucker	2,950	6	...	...	...	...	...	...	...	8.28	...	1.79	0	17	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	12	69.4	−0.2	95	19	44	1	40	4.91	+1.16	1.28	0	14	7	22	1	w.	J. C. Campbell
Vandalia	Lewis	1,120	12	...	...	...	...	...	...	...	4.84	+1.03	1.15	0	9	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	28	67.9	−0.1	92	16†	40	10	51	4.20	−0.16	1.24	0	13	16	7	7	...	George P. Pfister
West Milford	Harrison	979	10	...	...	...	...	...	...	...	5.10	+0.92	1.35	0	12	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	70.2	−0.2	93	30	47	10	35	5.79	+1.14	0.95	0	15	6	21	3	...	A. Henry
Wheeling (Dam 12)	Ohio	659	48	69.3	−1.3	91	30	47	10	54	5.76	+1.97	1.50	0	17	8	12	10	sw.	Lockmaster
Woodlands	Marshall	637	8	...	...	...	...	...	...	...	4.79	...	0.96	0	14	11	6	13	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	...	...	...	...	...	...	...	5.74	+2.08	1.74	0	15	9	18	3	w.	H. S. Sutton
Bancroft[a]	Putnam	574	31	72.8	+2.1	95	26	48	10	37	5.67	+1.33	1.29	0	11	5	6	18	w.	Charles N. Long
Beckley	Raleigh	2,440	32	64.8	−5.1	87	29	37	10	37	3.97	−0.38	0.98	0	18	4	21	5	...	L. A. Mauck
Bluefield[e]	Mercer	2,558	40	67.7	−2.4	87	18†	42	10	30	4.22	−0.19	1.10	0	14	3	15	7	...	Norfolk & Western Ry.
Charleston	Kanawha	600	32	72.7	−0.4	93	18	50	10	31	5.15	+0.81	1.09	0	18	13	8	9	...	S. E. Damron
Clay	Clay	706	19	...	...	...	...	...	...	...	5.85	+1.45	1.33	0	12	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	8	...	...	...	...	...	...	...	3.60	+0.51	0.72	0	13	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	19	...	...	...	...	...	...	...	4.36	+0.46	0.86	0	15	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	19	...	...	...	...	...	...	...	4.93	+1.06	0.94	0	13	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	8	...	...	...	...	...	...	...	5.98	...	1.25	0	15	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	19	...	...	...	...	...	...	...	8.14	+4.65	1.60	0	16	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	19	68.6	−0.7	90	30	45	10	33	3.58	−1.19	0.84	0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	72.0	+1.5	98	18	50	6†	39	3.32	−0.92	1.32	0	14	22	4	4	...	Mrs. M. L. McClung
Huntington	Cabell	538	38	72.1	−0.8	93	29	50	10	30	5.60	+1.50	1.07	0	17	3	21	6	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	...	...	...	...	...	...	...	4.72	+0.64	1.38	0	15	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	19	...	...	...	...	...	...	...	5.81	+0.29	1.68	0	11	...	...	...	...	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	...	...	...	...	...	...	...	4.09	...	1.01	0	9	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rose Argabrite
Logan	Logan	700	32	...	...	...	...	...	...	...	5.39	+0.41	1.37	0	14	...	...	...	...	J. R. Wampler
Madison[a]	Boone	675	14	68.6	−3.7	92	18†	45	21	36	5.56	+1.40	1.24	0	12	15	8	6	...	W. E. Holy
Marlinton	Pocahontas	2,131	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Virginia Crocket
Point Pleasant	Mason	595	42	69.9	−2.5	90	18†	48	10	31	6.24	+2.16	1.30	0	19	10	14	6	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	[f]63.6	...	88[f]	15	40	7†	40[f]	5.52	...	1.51	0	18	12	5	13	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	70.2	−0.3	92	27†	47	1†	33	5.72	+1.90	0.87	0	14	10	5	15	sw.	Lockmaster
Richwood	Nicholas	2,193	5	66.4	...	89	19	42	1†	38	5.63	...	1.77	0	15	8	18	4	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	71.0	−0.2	94	18†	47	10	38	5.48	+1.67	1.22	0	16	20	0	10	...	M. Frazier
Ryan	Roane	700	32	[a]66.6	−2.2	90[a]	28†	41[a]	6	39[a]	5.38	+0.92	1.46	0	17	12	9	9	...	Wm E. Ryan
Sharples	Logan	889	15	...	...	...	...	...	...	...	5.14	+0.56	1.44	0	7	...	...	...	...	R. W. Howard
Spencer	Roane	789	31	69.6	−0.1	90	29†	45	10	36	6.82	+2.44	1.37	0	16	11	9	10	...	A. M. McKown
Summersville	Nicholas	1,894	2	...	...	...	...	...	...	...	5.65	...	1.10	0	16	...	...	...	...	Carl Perry
Sutton	Braxton	850	29	69.4	−1.9	92	18†	47	1†	37	4.90	−0.24	0.90	0	12	18	0	12	...	C. B. Eakle
Thornwood	Pocahontas	2,723	1	...	...	...	...	...	...	...	2.80	...	0.70	0	11	...	...	...	...	Eva R. Smith
Union	Monroe	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. King
Wayne	Wayne	598	8	...	...	...	...	...	...	...	6.13	...	1.27	0	13	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	67.6	−0.4	91	18	42	9	38	4.45	+0.74	1.00	0	9	25	3	2	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	70.2	−2.4	91	18†	51	10	31	5.47	+0.93	1.47	0	14	8	18	4	ne.	J. E. Dotson
State averages and	extremes	...	...	68.4	−1.2	98	18	32	1	48	5.20	+0.83	1.85	0	14	11	11	8	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for June, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac			.30	.30		.02		1.05	.34					.18	.82	.35	.33	.45	.18	.04	1.06			.14			.23		T.	T.		5.79
Brandywine	do				.40		.05		.50	.40			.15			.25	.25	T.	.05				.10							.35	.05		2.55
Circleville	do			.44	.12				T.	.76				T.		.21	.13	.26	.26	.04		T.	.34	.14		T.			.08	.16	.76		3.70
Harpers Ferry ||||	do				.06	T.	.48		.07	1.22	.01			.19		.31			.49	.15	.09		.59			.07			.15		.03		3.91
Kearneysville	do			T.	.16	.26	.20		.43	.49			.40			.59	.20	.07	T.	.04		.21				.06					.10		3.21
Martinsburg ||||	do				T.	05	.70		.10	.80						.30			.22	.25	.10		.40			.02			T.		1.05		3.99
McNeill	do			.05	.12	T.		T.	.80	.40		T.	T			.22	.22	.06	.33	.93	.13	.40	.11		T.	.17		.12		.08	T.		4.14
Piedmont	do				.12		T.		1.09	.36		.02			.08	.04	.10		.27	.96	.03	.05	.75	T.	.14			T.	.26	.02	.08		4.37
Romney||||	do			.05	.10				.92	.45		.02						.20	.30	.40	.15	.05	.15	.05			.05		.55				3.44
Stony River Dam	do				.36				.20	1.18						.33	.64	.27	.74	.24	.22		.38	.24									4.80
Upper Tract	do			.59	.25	T.			.61	.48	T.					T.	T.			T.			T.							.36	T		2.29
Wardensville ||||	do				.13				T.	.92	T.					.26	.04	.06	.37	.20	.11		.15	.03		.15			.03	.05	.08		2.58
Northern Division																																	
Aberdeen	Monongahela			.50	.73		.05		1.37	.07		T.				.30	.34	.31	.52	.23	.17	T	.59	.11	.02			T.		T.	.06		5.37
Alma (near)	Ohio			.66	.22			.20	1.08						.44	.20	.32	.06	.40	.71	.01	.42		.22						.22			5.16
Alpena	Monongahela			.35	.40	T.	.02		.83	.26		.03			T.	1.17	.98	.40	1.01	.67	.22	.04	.79	.15	.02	.11		.15		1.65	.02		9.27
Benson	do			.36	.60		.02		1.30	.02			.23		.12	.15	.46		.52	.50	.05	.04	.56		.05					.04			5.02
Bens Run	Ohio		.06	.38	.10	.08		.15	.78							.10	.33	.06	.70	.06		.46	.08							T.			3.34
Brownsville	Monongahela			.83	.63		.09		1.32	.08	.02					.60	.15	.30	.69	.22	.20	.03	.65	.12	.05						.63		6.61
Buckhannon	do			.35	.58				1.10		.05				.03	.60	.29	.27	1.03			.60	.76	.06						1.03	.38		7.13
Cairo	Little Kanawha																																
Clarksburg||||	Monongahela			.28	.52		.01		.73	.48						.45	.44	.25	.22	.50	.04	.01	.53	.05	.01				.23		.51		5.26
Crawford||||	do			.17	.45		.02		.90	.05			T.		.23	.22	.20	.13	1.05	.32	.17	.53	.23	.23						.15			5.05
Creston||||	Little Kanawha			.56	1.26		.14		.90	.42			.20	.41		.88	.08	.50	.61	.44	.09		.76	.08							.15		7.48
Dam 10, Mon. R.||||	Monongahela			.03	.86				.46	.67	T.		.03	.52		.06	.14		.36	.33	.14		.42	.15	T.				.26		.02		4.45
Dam 13, O. R.||||	Ohio			.24	.96		.28		.12	.10						.05			.25	.28	.12	.02	.39	.80	.07				.05	.12	.64		4.49
Dam 15, Mon. R.||||	Monongahela			.18	.65	T.	.05		.45	.65	.02					.28	1.18		.67	.40	.11		.49	.04	.02				.18		T.		5.37
Davis ||||	do				.31				.31	1.06						.40	.06	.46	1.05	.60	.30	.72	.90	.45	.30	.21			T.				7.13
Elizabeth(D'm 3 LK)	Little Kanawha			.50	.55		.06		.84	.50			.03	.43		.50	.99	.06	.33	.59	.10		.81	.46					.85		.01		7.61
Elkins***	Monongahela		.17	.26	.27	T.		T.	1.31	T.		.03			.26	.34	.61	.03	1.43	.22		.61	.34	.05	T.			.03		.14			6.19
Fairmont||||	do		.19	.50		.05		.45	.65				T.		.50	.85	.02	.63	.57	.09	T.	.57	.05	T.				.04		T.			5.16
Glenville ||||	Little Kanawha			.30	.96				.89	.57	T.			.11		.38	.47	.21	.54	.26	.11	.03	.58	.16	T.				T.				5.57
Grafton ||||	Monongahela			.23	.36		.13	T.	1.55			.03				.25	.23	.33	.18	.28	.08	.50	.23	T.	.15			T.		.03			4.56
Hastings	Ohio			.20	.32	.02	.10		.20	.24				.12		.32	.55	.02	.98	.75	.28	.03	.38	.02	.02	.06				T.			4.61
Horner	Monongahela			.50	.70		.15		1.30	.40					.50	.20	.30	.40	.75	.60	.15	.20	.75							.52			7.42
Horton	do			.78	.36				.81	.11		.03	.03			.28	.85	.27	1.27	.13	.02		.26		.08	.03		.04		.55	.04		5.94
Janelew (near)	do			.35	.70				1.32	.10						.38	.40	.18	.60	.28	.15		.70							.10			5.26
Lost Creek	do			.04	.61				1.30	.03			.04		.03	.02	.20	.04	.73	.19	T.	.35	.26	T.	T.					.02			3.86
Mannington	do			.48	.25	.01	.02	.03	.96	.03		.02			.02	.10	.29	.09	.30	.65	.05	.28	.09	.12		.01							3.80
Morgantown	do			.60		.35		.30	.95	.50			.50		T.	.10		.22		.15	.50		.40	.30	T.			.20		.50	T.		5.57
New Cumberland||||	Ohio			.65	1.18	.02	.10	.01	.06	.03						.07		.02	.29	1.49	.06	.08	1.04	.86									5.96
New Martinsville	do		.32	.50	.30	.11		.22	.54							.12	.38		.44	.64		.30	.08	.10									4.05
Parkersburg***	do		.81	.30	.02	.14		.26	.57			T.	T.		.30	.16	.06	.14	.50	.09		.41	.06	.12	T.			T.		.12	T.		4.06
Parsons	Monongahela		*	*	*	.35		T.	1.85				T.	*	*	.85	*	.45	.85	.60		*	.75	*	.25					1.02			6.97
Parsons No. 2	do			.19	.33		.02		1.35			T.		.03		.43	.21	.73	.73	.30	.43	.03	.68	.03	T.	.18				1.38			7.05
Philippi	do			.33	.68		.22		.51	.90						.24	.11		.77	.39		.02	.68	.45	.10								5.40
Pickens	do		.20	.11	.95				.70	.17					.26	.40	.45	.08	.35	.75	.16	.45	1.00	.25				.05			.14		6.47
Reedsville	do				.61	.06		1.40	.21	.05			.06		.42	.33		.04	1.03	.15		.48	.13		.02			.17		.14			5.30
Roanoke	do				.87		.03		1.47	.05						.31	.05	.23	.95	.25	.14	.13	1.30	.11									5.92
Saint Marys||||	Ohio			.45	.32	T	.03		.60				T.			.20		T.	.42	.43	.05		.38	.10	T.				.14				3.12
Terra Alta	Monongahela																																
Thomas ||||	do				.31	.02	.08		.47	1.32						.30	.16	1.20	1.26	.53	.78	.05	.75	.23		.37			.07		.38		8.28
Valley Chapel	do			.10	.47				1.20	.10						.22	.23	.14	1.28	.19	.10	.05	.50	.28	.05					T.			4.91
Vandalia	do			.38	.55				1.15							.43		.18	.76		.35	.53	.51										4.84
Wellsburg	Ohio			.09	.86	.15	.15	.21	.05					.09	.08			.15	.30	1.24	T.	.39	.44	T.									4.20
West Milford	Monongahela			.25	.50				1.35	.10			.20			.37	.52		.71	.40	.10		.50			.10							5.10
Weston	do			.05	.95		.05		.50	.90						.65	.19	.06	.81	.25	.18	T.	.50	.23	.01						.46		5.79
Wheeling(Dam 12)||||	Ohio			.29	1.01	T.	.15		.23	.07						.06	.07	.01	.37	1.50	.37	.03	.49	.76	.03					.04	.28		5.76
Woodlands||||	do			.43	.90	.01	.10		.40	.34							.02		.90	.96	.04	.04	.38	.24	.03								4.79
Southern Division																																	
Arbovale	Great Kanawha			.69			.02		.56			T.	.14		.48		.15	.01	.12		.09	.27	.11					.34	.15	1.74	.87		5.74
Bancroft ||||	do			.23	.86				.50	1.12						.38		.14	1.29		.15		.77	.13					.10				5.67
Beckley	do		.18	.13	.62				.12	.04			.06	.13	.04	.98	.08	.06	.07	.06	.09	.27	.57	.04					T.	T.	.43		3.97
Bluefield	do			.25	.32		.03		.35		.65		.46	.05	.49	.11		.31			.06	.02	1.10					.02					4.22
Camden-on-Gauley	Gauley			.50	1.15	.03				.25			T.			.40	.05	.02	.41	.64	.22	.03	.72	.26					.09	.06	.05		4.88
Charleston	Great Kanawha			.26	.80		.01		.40		.06	.01	.02		.56	.29	.02	.21	.79	.20	.16	.13	1.09	.06				.08					5.15
Clay||||	do			T.	1.32	.01			.16	.36						.78	.42	.14	.38	.28	.10		.72	.68					.50				5.85
Dam 3 G. K. ||||	do			.06	1.18	.11			.02	.28						.68	.09		.22	.23	.15	.02	.92	.26					.48				4.70
Dam 6 G. K. ||||	do			.18	.72				.21	.46				.02		.59	.06	.07	.61	.33	.15				.08				.12				3.60
Dam 19 O. R. ||||	Ohio			.62	.86	.01	.15		.34	.36			T.	T.		.40	.09	T.	.40	.32	.01	T.	.45	.10	.11				.14				4.36
Dam 20 O. R. ||||	do			.94	.20	T.	.34		.57	.44				.16		.46	T.	T.	.40	.46	.08	T.	.48	.06						.34	T.		4.93
Dam 25 O. R. ||||	do			1.25	.20	.01	.02		.45	.68				.75		.73			.40	.40	.15	T.	.70	.18					.04		.02		5.98
Dam 26 O. R. ||||	do			1.60	.17		.21		.70	.66			.16			1.40	.02	.08	.50	.51	.05		1.15		.34				.17		.42		8.14
Gary ||||	Big Sandy			.10	.74	.01				.14				.30		.35	.06	.31	.08		.09	.03	.84								.53		3.58
Hinton||||	do	.01			1.32	.03				.43				.20		.20	.25	.21	T.	.01	.01	T.	.52	.02						.05	.06		3.32
Huntington	Ohio		.10	.48	.47	.07		.07	1.03	T.		T.	.04	T.	.07	.22	T.	.10	.79	.39	.04	1.07	.13	T.	T.			.34			.19		5.60
Kanawha Falls||||	Great Kanawha			.11	1.38	.45				.16			.01			.30	.15	.20	.18	.50	.20	.01	.98	.02					.07	T.	T.		4.72
Kayford||||	do				1.56				.24				.58		.94	.14			.17	.20	.18	1.68	.01	T.							.11		5.81
Kingston	do			.25	1.01				.13								.52		.70	.23		.25	.75								.25		4.09
Lewisburg	do																																
Logan||||	Guyandotte			.41	1.20	T.			.04	.38						.78		.05	.01	.58	.15	.05	1.32	.03				.02			.37		5.39
Madison	Great Kanawha		.18	1.00					.45				.05		1.24	.15			.18	.20	.10	.95	.12								.94		5.56
Marlinton	do																																
Point Pleasant||||	Ohio			1.30	.58	.04	.10		.64	.76			.24	.06		.76	.02		.28	.38	.04	.04	.70	.10	T.				.14	.04	.02		6.24
Rainelle	Meadow Creek		.02	.37	.74				.28	.10		.01		.04	.05	.86	.08	.20	.03	.17	.18	.19	.50				.19		1.51				5.52
Ravenswood(Dam 22	Ohio||||			.87	.18	.02	.10		.55	.57				.57		.85	.30		.20	.44	.15	T.	.62	.30									5.72
Richwood	Great Kanawha			.90	.87				.25	.11		T.	.10			.40	.03	.04	.90	.40	.41	.08	.91	.21					.02				5.63
Robertsburg||||	do			.67	.66		.09		.44	.41		T.	.02			.26		.41	.76	.27	.02	.05	1.22	.14	.02				.04				5.48
Ryan	do		.02	.36	.80	.06	.01	.01	1.46	.03					.05	.15	.30	.25	.85	.15		.60	.25					.03					5.38
Sharples||||	Coal River				1.44					.45				T.		.75	.65	T.	T.	.60		.62	.63					T.	T.				5.14
Spencer ||||	Great Kanawha			.22	1.37		.04		.73	.47				.81		.44	.20	.02	.88	.40	.10	.02	.87	.23		T.					.02		6.82
Summersville	do				1.10	.03				.18				.05		.70	.07	.02	.83	.75	.25	.02	1.00	.39	.06				.18	.02			5.65
Sutton	Gauley			.45	.80				.50							.65		.10	.65	.35	.10	.10	.90	.10					.20				4.90
Thornwood	Great Kanawha			.70	.20	.10			.60				.10		.10		.30			.20	.10	.30									.10		2.80
Union	Gauley																																
Wayne||||	Big Sandy			.57	1.27				.49	.63				.04		.55	.10		.68	.32	.24	.02	.92						.30				6.13
White Sulpr. Spgs.||||	Great Kanawha			.45	.20				.65				.55		1.00			.20		.20		.40							.80				4.45
Williamson||||	Big Sandy			.87	.60				.34	.59				.34		.92	.07	T.	.06	.18	.12	.21	.97	.04				T.			.16		5.47

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for June, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Northeastern Panhandle Division																																	
Bayard	Maximum	75	78	78	70	69	70	80	70	67	70	68	75	79	78	81	80	87	86	68	74	69	65	70	75	79	82	78	84	85	85	....	75.8
	Minimum	32	34	53	56	41	39	40	53	52	35	43	47	57	58	58	60	65	60	50	46	54	51	42	39	41	40	48	50	52	52	....	48.3
Brandywine	Maximum	80	82	81	80	75	78	84	75	75	74	80	83	84	87	82	87	86	91	87	86	80	79	75	76	80	87	92	89	86	90	....	82.4
	Minimum	40	44	47	58	46	42	44	55	56	45	49	52	49	52	54	64	54	63	62	47	62	60	48	45	50	55	60	59	60	58	....	52.7
Kearneysville	Maximum	80	80	76	81	81	77	84	79	69	78	79	82	86	91	87	92	93	82	80	80	81	80	74	78	83	88	93	90	92	92	....	82.9
	Minimum	49	51	62	66	53	52	51	56	56	47	50	55	58	60	67	64	70	59	53	59	63	60	55	55	49	53	62	63	64	63	....	57.5
Martinsburg*	Maximum	85	83	76	83	84	80	87	70	74	81	80	86	91	95	90	88	93	96	83	82	82	83	83	80	86	93	94	92	92	..	....	85.2
	Minimum	50	50	60	63	53	54	52	57	57	50	51	55	58	61	68	66	68	70	58	54	59	62	54	56	53	54	62	69	66	63	....	58.4
McNeill	Maximum	82	84	85	82	79	74	86	76	74	76	79	86	88	93	88	90	88	95	83	79	82	78	73	83	83	90	83	91	90	90	....	83.7
	Minimum	39	40	67	62	46	42	44	55	57	41	46	48	45	50	66	62	61	65	62	47	50	60	47	47	45	48	55	61	60	58	....	52.5
Piedmont	Maximum	77	81	78	78	77	74	84	63	72	75	74	83	86	90	83	86	83	91	77	73	73	68	69	73	79	84	85	86	89	85	....	79.2
	Minimum	44	45	58	64	49	48	47	55	58	45	51	59	60	66	65	64	64	69	61	50	52	56	50	49	51	50	57	61	62	61	....	55.7
Romney	Maximum	87	85	81	80	80	78	88	73	73	77	76	85	88	92	87	90	88	94	93	77	76	74	76	82	91	90	92	92	91	91	....	84.2
	Minimum	39	41	71	64	48	45	47	55	52	47	49	51	57	54	66	65	63	61	62	51	52	49	48	50	50	57	61	63	63	62	....	54.8
Wardensville	Maximum	77	78	79	78	79	78	74	82	63	69	73	76	81	84	87	84	85	91	89	71	76	79	76	71	..	79	91	88	87	88	....	79.8
	Minimum	41	42	64	64	48	45	45	57	57	43	68	49	53	51	63	62	61	66	60	48	52	60	50	47	..	47	57	58	58	58	....	54.3
Northern Division																																	
Alpena	Maximum	75	78	75	69	68	70	76	69	66	67	67	74	79	81	75	77	76	75	77	65	65	66	63	67	75	81	76	80	80	81	....	73.1
	Minimum	34	38	55	58	41	37	42	54	51	35	44	48	58	43	59	60	56	64	58	49	42	52	50	46	45	44	52	51	54	54	....	49.1
Bens Run	Maximum	78	70	83	80	78	75	81	69	67	76	72	81	86	87	86	82	82	88	80	70	70	72	62	75	83	89	82	90	87	90	....	79.0
	Minimum	52	57	64	62	55	53	57	54	54	48	58	61	64	61	69	69	69	70	65	59	63	60	57	55	58	59	66	67	68	68	....	60.7
Buckhannon	Maximum	78	83	82	78	75	77	74	69	69	72	72	79	80	85	81	81	84	87	85	74	76	73	71	73	78	83	84	85	87	85	....	78.7
	Minimum	45	51	62	62	54	47	48	55	55	45	55	58	60	53	65	68	63	68	61	55	59	59	55	52	50	54	61	60	63	62	....	56.8
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Clarksburg *	Maximum	82	88	84	77	76	76	83	67	71	77	74	82	86	88	84	84	82	91	79	75	77	73	71	75	84	88	85	89	89	89	....	80.9
	Minimum	43	48	61	64	52	46	48	54	54	45	52	54	58	52	65	67	62	69	64	55	58	61	54	50	53	52	59	60	63	62	....	56.2
Creston	Maximum	86	85	81	80	79	79	83	70	75	79	79	80	85	83	89	86	83	92	80	79	75	76	75	84	85	85	84	95	93	95	....	82.7
	Minimum	44	49	62	63	51	47	49	55	54	51	54	55	54	53	66	75	64	65	65	54	59	60	52	53	52	53	60	62	63	63	....	56.9
Elkins	Maximum	78	81	79	72	71	73	81	63	66	69	70	78	80	84	80	81	79	88	78	71	74	67	66	70	77	85	80	84	86	85	....	76.5
	Minimum	42	47	61	54	49	44	45	58	47	43	51	54	57	51	64	64	61	67	56	55	54	56	53	51	50	50	58	58	59	59	....	53.9
Fairmont	Maximum	85	91	84	80	79	78	87	71	75	81	77	82	90	91	87	87	86	92	86	81	78	76	71	79	85	92	89	93	89	92	....	83.8
	Minimum	47	51	64	66	54	48	54	55	55	48	56	57	60	58	67	68	65	71	67	56	60	63	55	54	56	55	63	62	65	63	....	58.8
Glenville	Maximum	88	90	94	80	81	79	86	87	78	77	79	84	88	89	86	86	87	94	94	77	79	76	73	80	84	90	92	93	95	96	....	85.4
	Minimum	47	50	63	65	53	50	50	57	56	48	52	58	61	55	67	70	64	70	64	56	60	63	55	55	54	56	61	63	65	64	....	58.4
Grafton	Maximum	78	87	85	77	74	74	83	67	73	76	73	79	85	87	85	84	82	91	83	78	76	73	72	76	82	87	83	89	90	89	....	80.6
	Minimum	44	48	55	57	53	49	50	58	56	45	52	55	60	54	65	67	62	65	65	57	58	62	55	52	52	53	60	52	63	65	....	56.3
Lost Creek	Maximum	78	81	81	75	73	73	73	70	68	72	73	79	83	83	82	82	78	90	86	69	71	72	70	75	80	85	85	87	87	88	....	78.3
	Minimum	41	46	60	62	50	43	47	58	55	44	52	51	54	50	65	68	62	69	64	55	60	62	54	49	49	50	60	59	61	60	....	55.3
Mannington	Maximum	77	84	80	74	72	70	79	62	69	71	70	77	81	84	82	80	80	86	85	72	73	72	68	72	78	83	81	84	84	85	....	77.2
	Minimum	43	47	60	64	51	47	50	53	55	43	52	55	56	55	67	67	62	68	63	57	58	61	52	52	51	52	59	60	62	61	....	56.1
Morgantown	Maximum	88	86	82	85	80	79	75	57	73	66	85	82	88	88	82	84	82	88	87	74	72	69	70	72	80	85	85	90	90	82	....	80.2
	Minimum	43	45	65	65	56	54	55	51	53	44	50	55	57	56	62	59	66	64	..	61	59	50	50	52	56	60	68	65	61	62	....	56.7
New Cumberland*	Maximum	83	87	84	76	71	72	80	70	73	78	77	80	87	88	88	85	85	90	79	72	75	70	70	76	82	86	84	88	89	74	....	80.0
	Minimum	47	52	61	63	50	48	56	48	47	45	54	52	47	61	68	60	57	72	67	56	60	60	50	57	51	55	65	57	58	66	....	56.3
New Martinsville	Maximum	84	89	83	79	74	78	83	61	74	80	78	82	89	87	87	85	82	91	86	79	75	75	72	79	85	90	88	90	86	89	....	82.0
	Minimum	48	51	61	64	53	50	53	52	54	47	55	57	60	57	68	68	67	70	64	57	62	62	56	55	56	57	64	64	65	66	....	58.8
Parkersburg	Maximum	80	85	83	76	73	73	81	58	71	76	75	78	84	86	86	82	83	90	77	77	72	73	73	78	83	88	84	89	89	89	....	79.7
	Minimum	52	59	63	61	53	48	56	54	51	47	56	58	59	60	68	71	72	70	60	58	64	60	57	54	56	59	70	66	68	66	....	59.9
Parsons	Maximum	83	86	83	79	75	79	85	65	70	85	74	80	86	87	84	84	81	94	82	75	76	70	70	75	82	90	82	90	85	90	....	80.9
	Minimum	44	49	60	57	50	47	45	59	50	46	51	55	57	51	64	56	56	67	56	52	54	56	55	50	54	51	56	60	60	60	....	54.3
Pickens	Maximum	79	81	82	74	72	72	80	64	66	70	71	79	80	84	82	75	78	84	77	69	74	65	65	67	76	83	82	85	86	80	....	76.1
	Minimum	40	50	57	52	42	38	46	53	48	39	45	51	55	48	53	59	58	63	56	47	46	50	50	45	44	49	57	55	54	52	....	50.1
Reedsville	Maximum	78	85	80	73	72	72	70	61	67	74	68	76	80	84	80	81	79	89	86	77	74	70	67	73	84	83	83	84	85	85	....	77.
	Minimum	36	42	45	62	46	43	58	52	53	34	38	48	52	48	63	65	58	68	63	52	50	56	53	46	44	45	63	55	56	55	....	51.6
Wellsburg	Maximum	85	89	85	79	77	75	81	62	75	80	77	83	88	87	87	92	84	90	80	74	76	71	70	77	83	89	87	92	92	91	....	81.9
	Minimum	41	44	59	63	48	48	54	57	50	40	50	50	44	66	57	41	67	68	61	57	58	59	51	50	47	51	60	56	58	61	....	53.9
Weston	Maximum	83	86	84	80	75	78	76	74	71	73	72	82	87	88	86	83	86	90	89	79	78	70	69	80	82	88	86	89	92	93	....	81.
	Minimum	48	53	60	63	50	48	52	55	53	47	54	51	61	55	66	70	64	71	70	60	63	60	58	60	65	59	62	64	62	64	....	58.
Wheeling(Dam 12)	Maximum	81	87	83	80	75	72	84	63	72	78	77	81	86	88	87	83	80	87	78	74	75	70	72	78	82	87	86	88	89	91	....	80.
	Minimum	49	57	65	64	53	51	54	54	52	47	52	53	52	60	69	67	68	67	61	58	61	60	55	55	53	54	61	64	62	65	....	58.1
Southern Division																																	
Beckley	Maximum	76	80	78	73	70	73	82	72	65	72	70	78	80	83	75	77	78	84	82	71	78	68	68	71	78	83	84	85	87	86	....	76.
	Minimum	42	54	59	59	44	40	45	53	51	37	49	51	54	50	60	62	61	65	60	45	55	56	50	47	44	50	60	56	58	61	....	52.
Bluefield	Maximum	75	..	78	76	75	75	79	79	..	72	72	78	80	85	74	..	79	87	87	74	82	78	..	74	79	84	84	83	84	..	....	78.
	Minimum	48	..	59	60	50	48	53	55	..	42	49	57	62	59	63	..	64	68	63	50	59	58	..	50	49	58	65	59	64	..	....	56.
Charleston	Maximum	83	88	87	88	79	78	85	81	73	78	76	82	86	88	85	84	83	93	91	79	76	76	78	80	85	91	89	91	91	92	....	83.
	Minimum	53	61	67	67	57	52	54	59	57	50	58	61	62	58	69	67	68	70	67	56	64	63	60	57	58	60	65	66	69	70	....	61.
Gary *	Maximum	81	83	81	75	74	75	82	73	69	73	76	80	83	86	78	79	82	89	78	75	83	73	72	75	80	87	85	86	88	90	....	79.7
	Minimum	52	55	62	63	51	49	49	57	59	45	47	60	65	55	65	67	62	67	62	50	58	59	53	51	51	55	61	64	64	64	....	57.4
Hinton *	Maximum	87	87	86	82	81	85	88	76	75	82	78	88	88	94	84	86	87	98	86	83	91	77	77	82	89	95	94	94	92	96	....	86.3
	Minimum	52	52	61	65	53	50	52	55	58	50	51	56	62	57	60	66	63	66	63	50	58	60	54	56	54	56	60	62	65	64	....	57.7
Huntington	Maximum	82	86	85	81	76	79	83	63	75	78	79	82	88	89	88	83	84	92	77	80	76	76	78	82	85	90	87	91	93	91	....	82.
	Minimum	53	59	66	66	57	51	57	57	56	50	59	67	61	59	69	70	71	71	64	57	63	63	57	57	59	60	68	65	68	69	....	61.
Madison	Maximum	..	87	83	79	78	80	84	66	72	77	78	83	87	89	81	84	85	92	81	78	77	76	74	79	83	86	87	89	91	92	....	82.
	Minimum	..	51	51	51	48	48	54	53	46	46	47	60	55	56	56	64	66	62	51	50	45	52	52	55	58	61	67	64	65	65	....	55.
Point Pleasant	Maximum	82	81	72	77	75	76	75	65	73	76	78	77	86	85	86	86	82	90	89	77	76	74	73	76	84	89	87	90	89	90	....	80.5
	Minimum	59	57	63	64	54	50	55	54	50	48	56	59	59	57	68	68	69	59	64	56	62	60	55	56	55	58	65	64	66	69	....	59.
Rainelle	Maximum	77	79	79	73	74	75	80	69	66	72	70	79	82	84	88	79	77	87	77	70	80	65	57	66	..	..	..	..	..	..	....	75.
	Minimum	42	46	58	60	55	41	40	54	53	40	44	50	54	45	60	62	56	64	57	43	52	55	47	46	52	54	56	57	58	57	....	51.
Ravenswood	Maximum	80	84	84	80	75	75	82	65	73	78	79	79	87	87	88	81	79	90	77	77	77	75	74	80	84	90	92	92	90	91	....	81.
	Minimum	47	55	63	61	53	48	54	55	51	47	55	56	60	55	69	70	70	69	62	58	63	59	54	55	54	57	65	63	69	66	....	58.
Richwood	Maximum	80	80	80	72	73	76	80	80	68	73	79	79	82	82	79	79	79	88	89	75	80	78	67	72	78	85	85	84	88	86	....	79.
	Minimum	42	54	59	60	47	43	45	57	55	42	58	49	59	49	63	65	57	67	60	47	54	52	48	47	46	50	56	56	58	59	....	53.
Robertsburg*	Maximum	87	85	84	77	75	79	84	66	74	78	79	79	88	89	89	89	85	94	78	80	71	73	74	81	88	92	87	91	94	91	....	82.
	Minimum	49	61	64	66	55	49	54	56	54	47	53	54	59	56	66	70	70	69	67	57	65	62	54	56	55	57	63	63	66	66	....	59.
Spencer *	Maximum	80	86	82	77	76	75	81	63	72	75	76	79	85	85	86	83	81	89	79	76	73	79	83	78	83	87	82	89	90	90	....	80.
	Minimum	44	50	65	65	53	47	53	56	55	45	52	57	59	54	68	69	68	70	68	58	61	61	55	52	53	56	63	64	65	66	....	58.
Sutton	Maximum	81	86	86	75	77	77	85	85	71	75	75	74	87	88	90	90	84	92	92	85	79	71	70	79	84	90	90	90	92	92	....	83.
	Minimum	47	50	63	65	52	47	49	53	56	47	51	50	53	52	65	69	63	68	63	52	53	61	53	52	51	53	59	62	63	61	....	55.
White Sulphur Spgs.	Maximum	79	84	80	76	78	77	83	77	76	77	77	84	83	86	85	82	85	91	84	78	81	78	75	78	80	86	89	89	87	90	....	81.
	Minimum	49	46	59	47	45	44	54	56	42	48	53	57	50	58	59	61	66	62	46	54	58	54	48	47	50	49	56	60	61	62	....	53.
Williamson*	Maximum	84	80	79	73	71	71	71	67	72	70	75	76	77	77	77	78	81	91	81	78	82	78	77	79	83	90	89	90	91	91	....	79.
	Minimum	57	60	65	66	57	53	53	57	58	51	54	64	64	60	68	68	66	69	65	53	62	63	55	57	58	59	66	67	67	67	....	61.

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	*Tota*
Clarksburg	Evaporation	.222	.238	.173	.137	.183	.157	.150	.198	.000	.134	.177	.099	.102	.264	.180	.136	.133	.139	.248	.325	.189	.116	.193	.125	.171	.209	.230	.138	.212	.146	....	5.12
	Wind movement	30	26	18	29	40	23	18	50	15	32	19	25	10	21	36	52	19	70	39	99	71	71	87	39	36	16	26	40	15	12	....	1,08

(WBO. Cleveland, 7-26-35—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., JULY, 1935 No. 7

GENERAL SUMMARY

July was considerably warmer and slightly wetter than usual. The month was characterized by nearly continuously warm weather, unfavorably distributed rainfall, excessive rainfall with floods in some of the smaller streams, and high stages in the rivers for the season. Although the month was warm, the average temperature was nearly 2° lower than July, 1934. The precipitation averaged much above the normal over the southern and western districts, and below the normal in the northern and in some scattered sections of the eastern counties, where the amounts were insufficient. Unusually heavy rains occurred during the first and last decades, the 24-hour amounts were the greatest of record for Elkins and Parkersburg. Elkins received 5.45 inches on the 7-8th; Parkersburg, 4.61 inches on July 31st and August 1st. Owing to continued wet weather in the western and southern districts, much grain was damaged in shock. Many fields of corn were considerably damaged and many stacks of hay washed away by marked rises in in the smaller streams. At the close of the month, wheat, oats, and hay were generally harvested with yields averaging fair to good, and many fields of early potatoes marketed. Corn was in fair condition and mostly laid by. There was practically no damage from hail.

TEMPERATURE

The monthly mean for the State, determined from 51 stations, was 75.6°, or 2.5° above the normal. Warm weather prevailed generally during most of the month, with the highest readings on the 12th and 20th. Moderately low temperatures occurred generally on the 14th and 30th, the lowest temperatures being noted on the 30th. The highest monthly mean was 80.2° at Martinsburg, and the lowest, 68.6° at Alpena. The highest temperature was 101° at Martinsburg on the 12th, and the lowest, 46° at Reedsville on the 30th, making the monthly range for the State 55°. The greatest daily range was 44° at Wellsburg on the 17th.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 4.61 inches, which was 0.04 inch more than the normal. Rains were quite general on the 4-8th, 12-13th, 21st-26th, and 31st, the greatest amounts being noted on the 4th, 7-8th, and 31st. The greatest monthly rainfall was 10.24 inches at Dam 25, Ohio River, and the least, 1.15 inches at Morgantown. The greatest amount in any 24 consecutive hours was 5.45 inches at Elkins on the 7-8th. The average number of days with .01 inch or more of precipitation was 11.

LIGHT HAIL

Light hail was noted in sections of the following counties on dates given: Preston, 20th; Randolph, 9th.

MODERATE HAIL

Moderately heavy hail fell in and near Reedsville, Preston County, on the 9th. Practically no damage resulted.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 6th to 13th, 15th, 16th, 19th, 21st, and 30th; Bens Run, 6th, 10th, 11th, 12th, 13th, and 14th; Charleston, 11th; Elkins, 1st, 2d, 8th, 10th, 11th, 12th, 14th, 16th, 27th, and 30th; Glenville, 2d, 6th, and 30th; Hinton, 5th, 6th, 7th, 9th, 12th, 15th, 20th, 25th, 26th, 30th, and 31st; New Cumberland, 31st; Rainelle, 30th; Parkersburg, 6th and 11th; Reedsville, 8th, 9th, 10th, and 16th; Romney, 27th; Wardensville, 23d; Wellsburg, 7th, 27th, and 30th.

Thunderstorms (dates and number of stations reporting): 1st, 3; 3d, 2; 4th, 6; 5th, 5; 7th, 4; 8th, 4; 9th, 4; 13th, 5; 15th, 3; 16th, 2; 18th, 2; 19th, 3; 20th, 6; 21st, 4; 22d, 3; 23d, 6; 24th, 9; 25th, 7; 26th, 6; 28th, 3; 30th, 2; 31st, 9.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.00	30.29	19	29.74	6	5.7	21	sw.	3	81	58	72	69
Columbus, Ohio	29.99	30.27	19	29.73	7	8.7	30	s.	3	77	52	64	66
Elkins	30.02	30.35	19	29.69	9	4.6	19	n.	7	89	64	76	51
Parkersburg	30.04	30.35	19	29.77	7	5.1	32	nw.	31	83	59	68	55
Pittsburgh, Pa	30.00	30.31	19	29.73	7	8.2	31	w.	28	75	54	60	74
Wytheville, Va	30.00	30.35	19	29.67	8	5.0	21	sw.	24	86	61	78	47

COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	67.5	−5.6	......	......	5.59	+1.02	......	......	......	....	....	....	...
1892	73.4	+0.3	98	41	4.20	−0.37	......	......	......	9	....	....	...
1893	73.8	+0.7	98	42	2.96	−1.61	5.95	1.37	......	9	20	10	1
1894	73.3	+0.2	100	36	2.21	−2.36	4.84	0.50	......	7	10	19	2
1895	70.5	−2.6	99	39	4.35	−0.22	7.04	1.65	......	9	11	13	7
1896	73.3	+0.2	97	46	9.07	+4.50	15.70	2.91	......	14	9	12	10
1897	74.2	+1.1	102	46	5.43	+0.86	9.92	2.85	......	13	11	12	8
1898	75.0	+1.9	103	40	4.46	−0.11	8.33	1.53	......	13	12	7	12
1899	73.3	+0.2	100	33	3.78	−0.79	7.92	0.20	......	9	14	10	7
1900	74.7	+1.6	104	41	4.38	−0.19	7.88	1.72	......	13	15	11	5
1901	77.4	+4.3	104	47	3.16	−1.41	6.21	0.69	......	9	14	12	5
1902	74.2	+1.1	104	45	3.54	−1.03	8.42	0.96	......	8	14	12	5
1903	72.5	−0.6	100	37	3.74	−0.83	8.30	1.82	......	10	16	10	5
1904	71.5	−1.6	97	42	3.28	−1.29	6.00	1.04	......	10	14	12	5
1905	73.3	+0.2	98	43	5.92	+1.35	10.64	3.00	....	14	12	11	8
1906	72.4	−0.7	98	45	4.54	−0.03	7.40	1.50	......	12	12	11	8
1907	72.7	−0.4	98	42	6.66	+2.09	13.36	1.99	......	13	12	14	5
1908	74.0	+0.9	100	41	5.21	+0.64	9.43	2.08	......	11	14	13	4
1909	70.2	−2.9	96	36	4.17	−0.40	10.50	0.60		11	14	11	6
1910	73.8	+0.7	98	41	4.92	+0.35	13.16	0.54	......	11	13	12	6
1911	73.3	+0.2	106	40	2.82	−1.75	6.94	0.40	......	5	16	12	3
1912	72.0	−1.1	100	45	7.48	+2.91	15.22	2.67	......	13	12	12	7
1913	74.2	+1.1	103	40	5.80	+1.23	10.07	2.14	......	12	15	12	4
1914	73.1	0.0	106	38	4.11	−0.46	7.74	0.98	......	7	16	10	5
1915	71.9	−1.2	99	38	4.63	+0.06	11.31	1.82	......	13	12	11	8
1916	74.8	+1.7	102	42	3.49	−1.08	9.47	1.06	......	9	16	8	7
1917	72.6	−0.5	104	44	4.83	+0.26	8.27	1.25	......	12	14	10	7
1918	70.3	−2.8	101	38	3.18	−1.39	6.90	1.04	......	8	17	7	7
1919	74.3	+1.2	104	41	5.51	+0.94	13.68	1.96	......	10	18	7	6
1920	70.1	−3.0	99	40	4.84	+0.27	8.94	2.34	.....	10	16	8	7
1921	75.6	+2.5	101	44	3.58	−0.99	8.90	1.08	......	9	16	10	5
1922	72.9	−0.2	99	43	4.53	−0.04	8.05	1.33	......	11	15	8	8
1923	71.7	−1.4	100	37	4.70	+0.13	9.46	2.22	.....	10	16	8	7
1924	70.0	−3.1	99	36	4.49	−0.08	7.63	1.65	......	11	16	9	6
1925	72.2	−0.9	102	31	5.05	+0.48	7.84	1.08	......	11	13	11	7
1926	72.6	−0.5	107	37	4.45	−0.12	8.07	0.83	.....	10	15	8	8
1927	72.3	−0.8	100	36	5.09	+0.52	12.40	1.65	......	10	15	9	7
1928	73.5	+0.4	102	35	4.23	−0.34	8.97	1.10	......	11	15	10	6
1929	72.7	−0.4	104	32	4.09	−0.48	10.61	0.80	......	10	15	10	6
1930	74.9	+1.8	109	34	1.90	−2.67	7.02	0.06	......	6	21	7	3
1931	76.8	+3.7	108	42	4.78	+0.21	10.74	0.93	......	10	17	9	5
1932	73.1	0.0	102	40	6.02	+1.45	15.56	1.02	......	12	17	8	6
1933	72.6	−0.5	104	36	5.21	+0.64	8.52	1.94	......	10	15	9	7
1934	77.5	+4.4	107	40	4.56	−0.01	12.96	1.96	......	10	16	9	6
1935	75.6	+2.5	101	46	4.61	+0.04	10.24	1.15	......	11	14	11	6
Period	73.1	......	109	31	4.57	....	15.70	0.06	......	10	14	11	6

Climatological Data for July, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	69.0	+1.4	89	20	47	28	37	6.25	+1.38	1.17	0	15	22	5	4	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	71.4	+0.1	90	11†	49	19	37	2.15	−1.23	0.70	0	8	16	2	13	sw.	Elmer Keister
Circleville	Pendleton		3								5.04		0.92	0	14					Moses R. Bennett
Harpers Ferry	Jefferson	244	46								6.99	+3.56	1.39	0	16					Sherman Harrison
Kearneysville	Jefferson	548	5	77.9		98	12	56	30	31	2.54		0.95	0	6	16	14	1	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	[a]80.2	+4.5	101[a]	12	58	30	33[a]	1.33	−2.30	0.48	0	8	27	4	0	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	75.6	+1.0	97	12†	49	30	40	2.40	−0.89	0.80	0	11	3	20	8	w.	John W. McNeill
Piedmont	Mineral	1,053	22	74.5	+2.2	93	20	54	30	29	4.35	+1.01	1.30	0	11	13	10	8	uw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	76.6	+1.7	98	20	53	30	36	1.84	−1.64	0.61	0	12	11	16	4		Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15								3.84	−0.30	1.10	0	10	4	7	20	w.	A. C. Becker
Upper Tract[c]	Pendleton	1,230	36	77.2	+5.5	94	19†	60	28	29	1.81	−1.61	0.91	0	5					Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	74.6	+4.0	93	13†	51	30	33	4.00	+0.90	2.13	0	9	15	11	3		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11								2.37	−2.42	0.59	0	10	11	16	4	w.	L. Else Bond
Alma (near)	Tyler	800	8								3.44		1.25	0	8	16	9	6		D. N. Furbee
Alpena	Randolph	2,571	5	68.6		84	11†	52	14†	31	6.61		2.17	0	15	11	19	1	w.	Christian Hertig
Benson	Harrison	1,080	11	74.4	+1.9	94	20	49	30	40	3.82	−1.33	1.40	0	8	15	13	3		R. D. Marts
Bens Run	Pleasants	652	33	77.8	+2.7	97	20	51	5	34	4.91	+0.39	1.92	0	9	21	9	1		Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	75.6	+1.8	93	17†	53	30	37	3.34	−1.46	1.03	0	9	12	17	2		W. B. Worley
Buckhannon	Upshur	1,411	38	74.2	+2.4	89	17	56	30	29	4.32	−0.84	1.57	0	10	21	8	2		H. A. Darnall
Cairo	Ritchie	680	34																	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	75.9	+2.1	95	20	53	30	34	2.39	−1.69	1.00	0	10	8	15	8	w.	Clarksburg Water Board
Crawford	Lewis	1,107	12								4.06	−1.08	1.60	0	10	16	12	3	sw.	George W. Blair
Creston	Wirt	640	33	77.4	+2.7	96	12†	56	30	38	5.28	+1.04	2.12	0	9	18	2	11		P. M. Basnett
Dam 10 Mon. R	Marion	826	14								1.52	−2.56	0.56	0	8					Lockmaster
Dam 13 O. R	Ohio	655	19								2.84	−1.27	1.24	0	10					Lockmaster
Dam 15 Mon. R	Monongalia	882	14								3.47	−0.46	0.93	0	10					Lockmaster
Davis	Tucker	3,093	26								6.38	+1.16	1.05	0	17					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K)	Wirt	615	23								4.22	−0.46	1.15	0	11					Lockmaster
Elkins	Randolph	1,947	34	72.6	+2.3	88	12	55	30	28	8.76	+3.38	5.45	0	14	4	12	15	se.	U. S. Weather Bureau
Fairmont	Marion	883	29	79.0	+4.7	99	20	55	30	38	3.20	−1.26	0.67	0	11	20	8	3	w.	J. C. Robinson
Glenville	Gilmer	738	41	79.4	+4.1	99	20	59	2	38	4.95	−0.29	1.70	0	11	22	2	7		Howard R. Brannon
Grafton ††	Taylor	1,000	42	76.4	+3.8	94	20	60	14†	31	3.86	−0.90	1.45	0	9	17	2	12		W. E. Clayton
Hastings ††	Wetzel	809						63	17†		5.04		1.88	0	10	9	12	10	w.	L. G. McIntyre
Horner	Lewis	1,044	12								4.02	−0.37	1.82	0	8					Foster R. Hardman
Horton	Randolph	2,840	10								2.29	−2.10	0.55	0	12	11	13	7	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	76.2	+2.2	94	20	53	30	36	3.43	−1.51	0.90	0	8	20	4	7	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	75.4	+3.2	98	20	50	30	40	2.39	−2.27	1.08	0	7	21	4	6	w.	Allen Smith
Mannington	Marion	985	32	73.8	+2.0	89	17†	52	30	35	3.74	−0.87	0.83	0	14	15	11	5	w.	Jas. A. Morgan
Morgantown[a]	Monongalia	1,250	42	76.6	+3.1	92	17	60	17†	32	1.15	−3.62	0.50	0	6	19	10	1	sw.	Bruce Davis
New Cumberland	Hancock	671	37	76.2	+3.2	94	20	55	30	36	3.11	−0.97	0.67	0	12	13	7	1	se.	C. H. Hesse
New Martinsville	Wetzel	634	41	78.6	+3.4	99	20	57	30	35	5.12	+0.43	1.85	0	7	18	8	5	n.	Wm. Ankrom
Parkersburg	Wood	638	48	77.6	+2.2	94	20	60	30	27	6.44	+2.15	4.61	0	11	9	13	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	75.2	+4.4	93	12†	54	30	33	5.76	+0.67	1.50	0		11	11	9		J. W. Swisher
Parsons No. 2	Tucker	1,649	9								6.49	+1.40	1.65	0	15	22	8	1		Robert T. Deem
Philippi	Barbour	1,550	38								2.20	−2.84	0.65	0	12					H. F. Brittinham
Pickens	Randolph	2,697	32	69.5	+0.9	88	19†	50	30	33	4.71	−1.68	1.45	0	10	16	12	3	w.	Dr. J. L. Cunningham
Reedsville[b]	Preston	1,710		72.0		91	20	46	30	35	5.54		1.16	0	13	21	10	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12								2.97	−1.92	1.01	0	10	17	9	5		Miss Mary A. Conrad
Saint Marys	Pleasants	577	26								5 21	+0.94	1.12	0	10					Wm. Hughes
Thomas	Tucker	2,950	6								5.92		1.06	0	10					H. L. Stiles
Valley Chapel	Lewis	1,011	12	76.1	+2.1	93	20†	54	30†	34	2.35	−2.58	0.68	0	9	14	14	3	sw.	J. C. Campbell
Vandalia	Lewis	1,120	12								3.71	−2.28	1.90	0	7					James B. Kelley
Wellsburg	Brooke	668	28	76.0	+3.8	96	11	51	17†	44	7.70	+3.41	2.33	0	10	16	14	1		George P. Pfister
West Milford	Harrison	979	10								4.87	+0.22	1.55	0	8					Miss Dicie E. Wagner
Weston	Lewis	1,026	40	78.2	+3.8	98	19	55	30	36	2.31	−2.64	0.81	0	13	4	22	5		A. Henry
Wheeling (Dam 12)	Ohio	659	48	76.9	+2.1	95	20	56	30	33	3.97	−0.49	0.99	0	12	18	11	2	sw.	Lockmaster
Woodlands	Marshall	637	8								1.97		1.05	0	7	19	9	3	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9								6.55		2.60	0	17	6	19	6	w.	H. S. Sutton
Bancroft	Putnam	574	31	78.8	+4.1	98	12†	60	14	32	4.66	+0.30	0.90	0	11	11	3	17	w.	Charles N. Long
Beckley	Raleigh	2,440	32	71.2	+0.6	87	1†	53	31	30	6.42	+1.89	1.52	0	18	3	24	4		L. A. Mauck
Bluefield[f]	Mercer	2,558	40	73.0	+1.4	88	1†	56	15†	31	5.20	+0.52	3.14	0	8	3	14	8		Norfolk & Western Ry.
Charleston	Kanawha	600	32	79.0	+2.1	96	12	64	31	28	4.28	−0.19	1.14	0	10	16	11	4		S. E. Damron
Clay	Clay	706	19								2.86	−2.26	1.50	0	13					Chilton Wilson
Dam 6 G. K	Kanawha	598	8								4.94	−0.08	1.34	0	11					Lockmaster
Dam 19 O. R	Wood	600	19								3.60	−0.42	0.92	0	10					Lockmaster
Dam 20 O. R	Wood	600	19								6.43	+2.62	1.82	0	14					Lockmaster
Dam 25 O. R	Mason	565	8								10.24		2.57	0	12					Lockmaster
Dam 26 O. R	Mason	564	19								6.59	+2.66	2.05	0	13					U. S. Engineers Office
Gary	McDowell	1,426	19	74.4	+1.3	89	11	57	15	27	5.09	+1.14	1.58	0	17					U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	77.8	+3.4	96	12†	60	31	31	3.54	−0.45	1.07	0	10	22	9	0		Mrs. M. L. McClung
Huntington	Cabell	538	38	79.4	+2.8	95	1†	61	14	32	6 44	+2.13	2.10	0	11	4	23	4	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16								6.30	+1.44	1.40	0	14					J. O. Brown
Kayford	Kanawha	1,335	19								5.34	−0.34	1.83	0	15					Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5								5.32		1.15	0	11					Claud J Wriston
Lewisburg	Greenbrier	2,250	35																	Rose Argabrite
Logan	Logan	700	32								6.61	+1.47	1.54	0	14					J. R. Wampler
Madison	Boone	675	14	76.8	+2.0	94	12	60	30	30	6.40	+1.07	1.04	0	14	16	10	5		W. E. Holy
Marlinton	Pocahontas	2,131	36																	Miss Virginia Crocket
Point Pleasant	Mason	595	42	77.7	+1.3	94	11†	59	30	32	8.55	+4.33	2.14	0	14	8	15	8	se.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	71.0		88	11†	51	31	33	4.28		1.48	0	14	9	2	20		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	77.3	+2.1	98	12	56	30	35	7.96	+3.77	2.30	0	11	14	8	9	sw.	Lockmaster
Richwood	Nicholas	2,193	5	72.0		88	12†	52	16	34	5.15		1.30	0	18	4	21	6	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	77.8	+2.4	96	18	60	14	33	5.83	+2.05	1.12	0	11	17	0	14		M. Frazier
Ryan	Roane	700	32	74.0	+0.9	95	11†	52	30	38	3.80	−0.92	1.39	0	10	16	9	6		Wm E. Ryan
Sharples	Logan	889	15								4.25	−0.84	1.10	0	6					R. W. Howard
Spencer	Roane	789	31	[a]76.8	+3.2	94[a]	12†	59	2†	32[a]	4.82	+0.37	1.70	0	11	10	16	5		A. M. McKowu
Summersville	Nicholas	1,894	2								5.00		2.45	0	10					Carl Perry
Sutton	Braxton	850	29	76.5	+1.7	94	12†	59	31	34	2.80	−2.90	0 75	0	10	21	0	10		C. B. Eakle
Thornwood	Pocahontas	2,723	1								5.60		1.30	0	18					Eva R. Smith
Union	Monroe	2,250	31																	C. B. King
Wayne	Wayne	598	8								6.43		1.17	0	12					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	74.0	+2.4	93	12	51	30	32	8.40	+4.58	2.40	0	11	19	6	6		White Sulphur Spgs. inc.
Williamson	Mingo	673	35	78.8	+2.7	94	20	63	15	28	5.15	+0.69	1.35	0	15	11	18	2	nw.	J. E. Dotson
State averages and	extremes			75.6	+2.5	101	12	46	30	44	4.61	+0.04	5.45	0	11	14	11	6	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for July, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
ayard‖‖	Potomac	.21			.20		1.17	.38	1.13	.06	T.			.23			.20				1.08	.36	.25	.16	.31	.44	T.					.07	6.25
randywine	do	.50			.10	.50	.20							.20		T.						.05	T.			.30	.30					T.	2.15
ircleville	do	.33	T.			.32	T.	.24	.77	.44				.04		.20	T.		.09	T.		.92	.64	.18	T.	.13	.22	.52					5.04
arpers Ferry ‖‖	do	1.10				.20	1.05			.21	.07	.54		.08	.20		.74		.74				1.39	.02	.17	.06	.14	.28					6.99
earneysville	do						.95		.12					.26		T.	.35				T.	.06					.80						2.54
artinsburg ‖‖	do					.03			.05		T.			.18								.25	.20		T.	.12	.02	.48					1.33
cNeill	do	.05			.10	.15	T.	T.	T.	.36				.42		T.	.04			T.		.80	.11	T.	T.	.20	.09					.08	2.40
iedmont	do		T.			.32	.10		.02	1.23				.55		.01	.23					.21				.32	1.30					.06	4.35
omney‖‖	do	.45	.02		.01	.05				.08				.61								.11	.11		.01	.27	.11					.01	1.84
tony River Dam	do					1.10				.10		.30		.84							.53		.52			.24	.04	.15				.02	3.84
pper Tract	do					.31	T.	.18	T.						.28			T.					.13				.91						1.81
ardensville‖‖	do		2.13		T.									.68	T.	T.	.58						.41	.04	.02	.02	.03	.09					4.00
Northern Division																																	
berdeen	Monongahela				.38	.04	T.			.09	.07			.53			.04					.15			T.	.59	.31					.17	2.37
lma (near)	Ohio				1.25												.05					.25	.08	.35	.05	.86						.55	3.44
lpena	Monongahela				.37	.55	.19	2.17	.09	.22	.05			.49						.23	.06	.40			.74	.52	.42					.11	6.61
enson	do				1.40						.50						.05					.36			.25	.98			.03			.25	3.82
ens Run	Ohio				1.92				T.							.11						.16		.45	.14	.70	.27		.06			1.10	4.91
rownsville	Monongahela				1.01						1.03	.03	.10									.08			.85		.18				.04	.02	3.34
uckhannon	do				.43	.14				.05				T.						.90		.16		.20	.10	.64	1.57					.13	4.32
airo	Little Kanawha																																
larksburg‖‖	Monongahela				.11	.31					.18			.02			.02					T.	.22		.05	1.00	.16	T.				.32	2.39
rawford‖‖	do				.87		.01							.33							.19	.04		.24	.37	.34	1.60					.07	4.06
reston‖‖	Little Kanawha				.76	2.12											.08						.40		.10	1.20		.09		.03		.50	5.28
am 10, Mon. R.‖‖	Monongahela					.52					.03				.06			T.				.18	.06		T.	.56		.02				.09	1.52
am 13, O. R.‖‖	Ohio				.10	1.14				.09											.10	.05	.02		.06	.59				.09		.60	2.84
am 15, Mon. R.‖‖	Monongahela					.93					.23			.02			.04					.85	.28		.20	.61	.20			T.		.11	3.47
avis ‖‖	do				.80	1.05	.43	.60	.10	.76	.05	.11		.26			.09			.05	.36	.54	.40	.05	T.	.63	.10						6.38
lizabeth(D'm 3 LK)	Little Kanawha				.77	.62									.01		.07					.15	.52		.10	1.15		.03		.06		.74	4.22
lkins***	Monongahela		T.		.62	.03	22	1.76	3.71		T.			.44		.05			T.	.02		.60	T.	.12	.46	.44	.10					.19	8.76
airmont‖‖	do			.67						.50			.03			.07					.42	.27		.17	.60	.18			T.		.21	.08	3.20
lenville ‖‖	Little Kanawha				.57	.66				1.70				.04			.11					.14	.16		.32	.63	T.	.14				.48	4.95
rafton ‖‖	Monongahela				.75		.30			.20	T.			.20			.01				T.	65	T.		T.	1.45	.20					.10	3.86
astings	Ohio				1.11									.02			.07	T.	.01			.65	.10	.16	.25	1.88	T.		T.			.79	5.04
orner	Monongahela				.52									.25								.12	.15	.21	.75	1.82						.20	4.02
orton	do				.20	.19	.06	.06	.13	.20				.55								.21		.04		.28	.24					.13	2.29
nelew (near)	do				.48						.15			.55			.15					.75				.90	.30					.15	3.43
ost Creek	do				.50					T.				.03			T.					.40		.21		1.08	.12		T.	T.		.05	2.39
annington	do				.28	.01			.03	.79				.06			.06				.05	.63	.23	.10	.14	.80	.03					.53	3.74
organtown	do				.50	T.	T.			.10				.08							T.	T.	.12	.05	T.		.30	T.					1.15
ew Cumberland‖‖	Ohio				.16	.51			.08	.17							.60				.67			.02	.04	.15	.15			.03		.53	3.11
ew Martinsville	do				1.02											.05	.12					1.10		.08		1.85						.90	5.12
arkersburg* **	do			1.31	1.14		T.			.05	.08					.14					T.	.81		.68	.40	.62			.04			1.17	6.44
arsons	Monongahela		T.		.30	.45	*	*	1.50					.10					T.		.20	1.40		.30	.55	T.	.95		T.			.01	5.76
arsons No. 2	do		T.		.30	.32	.09	.04	1.65	.18				.51						.25	.02	.93	.15	.25		.53	1.13		T.			.14	6.49
hilippi	do				.02	.35				.30	.25			.34						04			.05		.02	.65	.03	.05				.10	2.20
ickens	do				.69			.23				.28		.10						.37	.13			.93	.08	.45	1.45						4.71
eedsville	do				.75	.76	.30		.08	.50			.13			.38					1.16	.70	.10	.08	.52							.08	5.54
oanoke	do				.59				.10		.02			.15			.07					.03		.05		.80	1.01					.15	2.97
aint Marys‖‖	Ohio				.46	1.12	T.							T.			.18					.18	.21	.14	.92	.63		.32				1.05	5.21
erra Alta	Monongahela																																
homas ‖‖	do	.55				1.06			.77	.40				.57	.07						T.	1.00	.86		.08	.56							5.92
alley Chapel	do				.62									.06			.23					.21	.05		.22	.68	.14					.14	2.35
andalia	do				.40																.43			.19	.13	.55	1.90					.14	3.74
ellsburg	Ohio				1.89				.58							T.	.37		.15	.98	T.	.08		.29	T.	.25	2.33	T.	T.			.78	7.70
est Milford	Monongahela				.60						.15		.10									.42		.25		1.55	1.45					.35	4.87
eston	do				.06	.62	T.	.03			.24			.08		.03	.06		T.			.02	.18		T.	.81	.01	.13		T.		.04	2.31
heeling(Dam 12)‖‖	Ohio				.56	.99				.10							.07				.34	.01			.40	.79	.28	05		.05		.33	3.97
oodlands‖‖	do				.18	.45																.05	.15		.01	1.05				.08			1.97
Southern Division																																	
rbovale	Great Kanawha	.20	.02		.44	.32	.85	2.60	.20	.21				.05	.11	T.	T.				.05	.30	.05		.50	.32	.28					.05	6.55
ancroft ‖‖	do	.58			.27	.13																.90	.83		.05	.39	.16	.45		.23		.67	4.66
eckley	do	.23			.58	.06	.13	.07		1.52		.05		.05	.48						.06	.82	.08	.20	.04	.61	1.18			.07		.19	6.42
uefield	do		.01			.36	1.01		.11							.10							3.14			.31	.16						5.20
amden-on-Gauley	Gauley	.32		.49	.04	.73	.12		.06					.10			.02				.54	.71	.10		.23	1.38	.08	.01				.13	5.06
harleston	Great Kanawha				.90									.07			.11					1.14		.05	.06	.67	.22			.17		.89	4.28
ay‖‖	do				.01	.59	.01	.01		.06				.04			.09						.49	.01	T.	1.50	.02	.01		T.		.02	2.86
am 3 G. K. ‖‖	do	.02		.10		1.74	.04	.10		.49					.03		.06			.07			1.54	.30	.04	1.16	.10	.03		.04			5.86
am 6 G. K. ‖‖	do				.06	.81				.06												.19	1.34	.67	.12	.92	.20	.39		.18			4.94
am 19 O. R. ‖‖	Ohio				.43	.66	T.										.07					.78	.20		.03	.92	.02			.12		.37	3.60
am 20 O. R. ‖‖	do	.74			1.82	1.08		.16		T.	.02			.12			.06					.75	.38		.05	1.05	.02			.15		.03	6.43
am 25 O. R. ‖‖	do				1.32	.48		.25									.16					1.66	.39		.09	1.50	2.57	1.12		.62		.08	10.24
am 26 O. R. ‖‖	do	.04			.46	.36	.03	.41														2.05	.25		.04	.60	1.03	.38		.70		.24	6.59
ary ‖‖	Big Sandy			.11	.01	.65	.09			.05			.01		.14					.01		.39	.21	.92	.73	.06	1.58	.10	.02	.01			5.09
inton‖‖	do	.02				1.03	.35	.28		T.					T.	1.07			T.		T.		.16	.28		.07	.20	.08					3.54
untington	Ohio	T.		T.	.79	.21											.12		T.	T.		2.10	.09	.80	.07	.85	.01		1.22			.18	6.44
anawha Falls‖‖	Great Kanawha	.43			T.	1.40		.80		1.10				T.	T.		.09			.18	.04	T.	.45	.26	.27	.93	.28	.04		.03			6.30
ayford‖‖	do	1.83		.15	.01	.38	.05			.85										.01	T.	.40	.85	.03	01	.42	.27	.03		.05			5.34
ingston	do				1.08		.18		1.15			.08									.90	.65		.15	.20	.46	.34					.13	5.32
ewisburg	do																																
ogan‖‖	Guyandotte	.63		.20		.83	.02			.30	T.						.02					1.54	.40	.80	T.	.65	.69	.05		.23	T.	.25	6.61
adison	Great Kanawha		.02	.31	.20				1.00												.83	.66	.45	.23	.55	.28	.48		.15		1.04	.20	6.40
arlinton	do																																
oint Pleasant‖‖	Ohio	.02			2.00	.14	T.	.20		T.	T.						.14					2.00	.17	.10	.20	.40	.92	1.58		.50		.18	8.55
ainelle	Meadow Creek	.26			1.48		.15	T						.05	.14						.24	.47	.03	.26	.24	.51	.32		.01			.12	4.28
avenswood(Dam 22	Ohio‖‖				1.12	2.30		T.									.07					1.73	.58		.45	.60	.43	.48		.08		.12	7.96
chwood	Great Kanawha				.76	.01		.55		.44		.78	.02	.03	.01						.35	.43	.05	.16	.16	1.30	.03	.03	.03			.01	5.15
obertsburg‖‖	do	T.			.51	.82			T.					T.								1.03	.45	.10	.04	.58	.32	1.12		.46		.40	5.83
van	do				1.39					.03							.12					.68		.17	.43	.45	.02			.03		.48	3.80
arples‖‖	Coal River				.40		.30		.65														1.10		.96		.84						4.25
encer ‖‖	Great Kanawha	.02			.47	1.70											.38					.23	.23		.65	.12	.47	T.	.14			.41	4.82
mmersville	do			.78	.03	.83	.04							.19			.17						.31	.02		2.45	.18						5.00
tton	Gauley				.65	.20								.10			.15					.20		.45	.10	.75		.10				.10	2.80
ornwood	Great Kanawha	.10			.70	.20	.10	.20	1.30					.10	.30	.10		.20		.30	.40	.10	.10		.30	.60	.40					.10	5.60
ion	Gauley																																
ayne‖‖	Big Sandy			.85	.08	.64	.58															1.17	.62	.01	.08	.72	.53			.81		.34	6.43
hite Sulpr. Spgs.‖‖	Great Kanawha				.40	.55	.15	2.40	2.10						1.00								.10		.70	.20	.50					.30	8.40
lliamson‖‖	Big Sandy	.08	.42	.28	.48	.64	T.										.07			.02		.44	.91	.19	.24	.22	.21			.82		.13	5.15

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for July, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum ...	87	80	81	78	82	85	83	82	79	80	87	86	83	82	83	80	83	87	88	89	80	83	80	80	78	78	80	80	80	82	82	82.2
	Minimum....	54	53	53	55	65	67	58	58	57	55	55	54	51	49	55	53	50	50	54	53	55	63	52	68	64	60	58	47	60	53	53	55.9
Brandywine	Maximum ...	84	81	80	76	87	85	88	86	87	88	90	90	86	87	88	85	84	83	86	87	86	90	89	86	87	82	80	87	85	86	88	85.6
	Minimum....	57	65	57	60	64	61	60	65	63	58	60	59	54	50	52	50	54	58	49	56	57	55	52	60	62	59	60	54	57	52	55	57.3
Kearneysville	Maximum ...	90	85	82	85	93	89	89	87	85	90	95	98	93	92	87	86	90	90	96	97	92	90	91	91	91	86	83	87	89	87	93	89.6
	Minimum....	66	68	62	62	67	68	68	71	64	66	67	68	68	61	66	65	61	64	69	67	66	69	71	75	72	70	62	59	68	56	67	66.2
Martinsburg*	Maximum ...	91	85	88	96	95	94	93	90	93	95	100	101	90	95	91	90	93	96	94	100	94	92	96	94	90	80	92	90	91	90	..	92.6
	Minimum....	65	69	65	68	69	69	70	69	70	67	67	69	69	69	65	65	60	65	72	71	75	68	71	75	72	70	70	63	60	58	65	67.7
McNeill	Maximum ...	90	83	85	81	89	90	90	88	88	90	95	97	89	88	93	86	90	92	97	97	88	95	91	90	89	80	87	92	87	89	92	89.6
	Minimum....	60	64	62	58	67	61	63	63	66	60	60	60	65	56	60	60	57	57	62	65	60	64	67	70	70	67	64	56	60	49	56	61.6
Piedmont	Maximum ...	85	80	83	85	83	85	88	85	83	85	91	92	85	86	84	83	85	86	92	93	86	86	87	86	85	73	82	85	83	83	86	85.2
	Minimum....	68	63	63	66	62	66	68	66	65	64	62	64	70	63	58	62	57	62	64	65	65	64	67	73	69	68	63	57	60	54	60	63.8
Romney	Maximum ...	89	82	85	81	88	92	92	88	87	90	94	97	94	91	91	86	90	94	97	98	91	88	92	90	89	83	85	90	88	89	91	89.7
	Minimum....	63	65	61	61	67	65	65	65	69	62	61	62	69	59	61	63	57	62	64	64	65	63	68	74	70	67	65	57	63	53	60	63.5
Wardensville	Maximum ...	88	87	85	85	82	86	86	86	..	86	87	92	93	86	86	85	83	86	85	91	93	89	91	90	87	85	76	..	90	84	85	86.7
	Minimum....	58	64	60	61	67	63	67	62	..	61	61	61	65	58	61	61	60	60	61	60	64	64	66	68	68	67	64	..	76	51	56	62.6
Northern Division																																	
Alpena	Maximum ...	83	78	82	77	79	71	83	81	76	80	84	84	78	79	79	78	83	82	84	84	79	80	80	80	80	74	77	84	76	79	78	79.7
	Miuimum....	54	58	57	58	64	55	59	55	60	56	58	57	61	52	55	54	52	55	57	55	57	60	68	64	63	61	56	53	57	59	57	57.6
Bens Run	Maximum ...	92	91	91	75	85	92	91	79	76	91	94	95	92	92	91	87	95	89	95	97	78	90	85	75	81	87	90	80	85	89	89	87.7
	Minimum....	69	64	70	69	51	80	69	69	66	68	69	69	74	64	66	64	63	69	70	70	69	70	74	73	71	71	66	67	66	60	68	68.0
Buckhannon	Maximum ...	85	86	85	83	81	86	87	87	82	83	87	88	86	85	86	81	89	87	87	87	80	85	85	83	80	82	84	82	80	81	84	84.3
	Minimum....	65	59	64	67	68	67	67	65	66	64	65	65	70	61	61	61	60	63	63	65	64	66	70	70	63	68	60	60	64	56	61	64.1
Cairo	Maximum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg *	Maximum ...	89	92	90	79	86	91	89	90	84	86	93	92	88	91	89	84	92	93	93	95	81	89	88	87	82	82	85	85	84	87	87	87.8
	Minimum....	64	58	64	68	70	68	67	62	65	65	65	65	72	59	61	60	58	61	62	63	62	67	71	71	69	70	60	59	64	53	61	64.0
Creston	Maximum ...	94	95	93	87	87	93	92	92	89	92	95	96	92	95	92	89	94	92	96	95	85	89	87	90	81	82	93	91	89	91	89	90.9
	Minimum....	66	57	62	66	66	67	64	65	63	63	65	65	69	62	60	63	57	62	63	65	64	65	70	67	69	69	62	63	61	56	61	63.8
Elkins	Maximum ...	85	84	83	76	81	86	85	86	79	82	87	88	81	82	83	79	86	86	87	88	80	84	83	82	77	80	83	82	78	82	82	82.8
	Minimum....	60	58	65	65	68	66	64	61	63	62	62	63	64	59	61	60	58	62	60	62	62	65	69	69	67	65	59	56	63	55	57	62.3
Fairmont	Maximum ...	93	92	95	83	90	95	94	91	84	92	95	96	92	93	93	88	95	97	98	99	80	92	90	93	87	87	90	87	89	93	91	91.4
	Minimum....	66	62	67	70	70	69	68	66	68	67	69	68	72	62	68	62	60	66	67	66	65	68	72	73	70	70	64	60	66	55	65	66.5
Glenville	Maximum ...	97	95	95	92	90	93	93	94	85	91	96	95	97	93	95	92	98	98	96	99	85	93	95	92	91	87	92	93	88	91	91	93.0
	Minimum....	66	59	65	68	68	70	70	67	66	66	67	69	72	65	65	64	60	63	64	65	65	67	73	68	70	70	64	62	63	60	62	65.9
Grafton	Maximum ...	89	89	89	86	85	92	92	86	81	87	92	92	88	90	87	87	93	91	92	94	93	90	89	87	82	79	86	85	87	87	87	88.2
	Minimum....	65	61	64	69	70	76	65	64	65	65	66	65	70	60	61	60	68	60	62	63	63	66	66	60	62	63	68	62	67	60	64	64.5
Lost Creek	Maximum ...	86	85	83	83	82	88	87	88	86	84	91	89	86	91	90	89	91	94	92	98	81	90	90	88	82	81	88	85	88	90	90	87.6
	Minimum....	65	66	61	68	69	68	66	62	61	61	63	70	68	58	60	58	60	62	64	64	60	67	70	60	68	68	59	59	61	50	60	63.1
Mannington	Maximum ...	85	85	85	83	81	87	86	83	78	84	87	88	85	85	85	80	89	88	89	89	75	84	84	84	82	82	82	82	82	82	84	84.0
	Minimum....	62	57	64	68	69	68	67	64	65	64	64	64	71	55	59	60	54	61	62	63	64	66	70	73	70	70	61	58	64	52	61	63.5
Morgantown	Maximum ...	89	90	90	80	84	90	90	88	75	89	91	91	90	89	88	88	92	91	90	88	88	88	88	86	83	84	85	83	84	..	88	87.3
	Minimum....	65	65	68	68	69	69	69	68	65	66	64	64	65	67	69	63	60	62	60	64	62	67	70	72	67	68	65	64	65	..	65	65.8
New Cumberland*	Maximum ...	87	86	89	81	89	93	92	80	83	87	93	92	83	88	86	85	93	93	93	94	87	75	87	86	87	86	85	89	83	87	90	87.4
	Minimum....	58	60	65	69	69	63	71	67	65	64	64	65	67	61	60	59	57	68	68	65	63	71	74	74	72	68	64	63	62	55	60	64.9
New Martinsville	Maximum ...	91	93	92	86	88	94	94	88	86	91	97	94	91	92	88	88	95	96	97	99	81	92	90	91	85	82	90	85	87	90	92	90.5
	Minimum....	65	62	68	68	71	70	68	67	66	67	68	67	72	60	61	64	60	67	67	66	66	70	73	73	71	71	64	63	67	57	66	66.6
Parkersburg	Maximum ...	89	89	86	82	85	91	90	79	82	88	93	93	86	88	89	82	90	91	93	94	81	90	90	88	79	85	89	87	84	87	90	87.4
	Minimum....	70	64	69	68	71	68	67	68	67	68	67	66	69	63	65	64	64	71	69	71	69	72	74	72	72	71	67	66	64	60	67	67.8
Parsons	Maximum ...	90	83	91	80	85	90	90	92	83	86	91	93	88	88	89	86	87	92	93	93	82	90	87	86	81	85	86	85	85	87	87	87.5
	Minimum....	63	60	65	65	67	67	65	62	65	63	65	65	65	61	61	63	58	60	64	62	64	66	69	70	68	65	60	57	57	54	58	63.0
Pickens	Maximum ...	85	86	84	78	80	84	82	85	77	82	84	87	80	83	83	80	86	81	88	88	76	84	82	78	73	73	81	80	82	81	79	81.7
	Minimum....	58	55	59	55	59	60	58	59	61	57	51	59	60	54	55	54	59	53	59	58	58	62	65	58	63	61	54	54	55	50	53	57.3
Reedsville	Maximum ...	84	84	86	78	85	87	86	86	78	83	88	87	83	86	85	78	87	89	88	91	78	86	85	84	81	80	83	82	81	84	83	84.1
	Miuimum....	58	58	60	65	68	62	60	60	61	62	61	59	68	53	55	58	54	55	57	57	60	65	67	70	67	65	56	51	63	46	57	59.9
Wellsburg	Maximum ...	90	90	92	83	91	93	95	81	83	90	96	92	90	91	86	85	95	94	94	95	83	90	88	88	87	87	91	86	87	89	93	89.5
	Minimum....	55	55	62	68	68	68	67	63	64	62	62	60	67	54	57	58	51	62	62	63	67	68	70	73	70	66	60	59	62	51	65	62.5
Weston	Maximum ...	95	94	92	90	87	94	93	92	88	89	94	93	91	92	91	90	95	94	98	96	94	93	90	91	90	86	90	88	87	90	92	91.6
	Minimum....	64	65	64	65	69	68	67	68	67	65	64	67	70	61	63	61	59	62	63	64	64	68	71	70	71	65	63	60	62	55	62	64.7
Wheeling(Dam 12)	Maximum ...	88	90	91	82	86	91	91	84	84	89	91	94	88	90	87	84	91	91	94	95	81	88	87	86	84	84	89	84	83	86	92	87.9
	Miuimum....	62	62	68	69	68	70	69	67	67	66	67	67	71	60	63	61	59	65	68	66	62	73	74	74	72	67	65	64	61	56	59	65.9
Southern Division																																	
Beckley	Maximum ...	87	87	82	82	81	84	84	83	77	80	87	87	82	82	82	82	87	85	87	82	73	83	83	83	82	81	83	83	80	83	82	82.8
	Minimum....	59	60	62	61	62	63	61	59	60	56	57	60	64	62	55	57	57	60	57	57	59	60	63	64	64	65	58	58	58	54	53	59.5
Bluefield	Maximum ...	88	85	80	..	82	81	..	85	80	80	86	88		..	87	84	85	84	86	85	..	83	83	85	85	81	77	..	82	83	82	83.5
	Minimum....	59	65	62	..	64	65	..	60	64	62	63	65	..	..	56	60	64	66	60	61	..	64	66	67	68	66	61	..	62	56	56	62.5
Charleston	Maximum ...	91	91	89	89	86	90	91	89	84	88	94	96	91	93	93	89	93	93	93	92	89	90	91	88	81	80	89	89	86	88	88	89.5
	Minimum....	67	68	68	71	69	72	72	69	69	65	68	71	72	70	65	66	65	69	67	69	68	68	72	71	72	71	66	70	65	67	64	68.6
Gary *	Maximum ...	88	87	84	82	83	85	86	87	80	81	89	88	83	84	84	86	87	86	88	88	75	83	85	86	83	83	83	84	82	83	82	84.4
	Minimum....	63	63	63	66	65	68	65	65	69	65	67	68	67	65	57	62	62	62	61	62	66	67	66	68	69	69	62	62	65	60	58	64.4
Hinton *	Maximum ...	93	94	93	84	90	94	91	92	87	89	92	96	92	90	91	90	92	88	92	96	82	89	91	92	88	85	87	89	87	90	88	90.1
	Minimum....	66	65	67	65	66	66	66	66	66	65	67	68	67	65	64	63	63	65	62	65	67	66	66	67	68	70	64	63	64	64	60	65.4
Huntington	Maximum ...	95	93	92	89	86	91	94	89	85	91	95	95	93	92	93	87	95	93	95	93	88	91	90	91	82	82	90	90	85	91	90	90.5
	Minimum....	66	65	68	70	71	70	69	71	68	66	69	70	73	61	64	65	63	70	68	70	69	70	73	74	73	73	68	69	65	62	68	68.4
Madison	Maximum ...	88	92	90	87	86	90	89	87	80	86	90	94	88	88	89	85	93	91	92	92	82	89	88	90	84	81	89	88	85	88	88	88.0
	Minimum....	76	68	65	65	69	70	67	68	63	63	70	73	63	63	62	62	63	65	65	64	63	64	67	68	68	63	66	63	62	60	64	65.5
Point Pleasant	Maximum ...	89	93	91	89	84	89	89	86	82	89	94	93	92	89	89	88	89	94	94	92	83	93	89	89	81	84	89	89	84	89	90	88.9
	Minimum....	68	61	65	69	69	69	67	70	69	65	69	66	72	60	62	62	60	69	67	69	67	69	69	70	71	70	65	67	62	59	65	66.5
Rainelle	Maximum ...	84	85	80	78	80	84	84	83	79	82	88	88	84	81	84	85	86	84	88	87	77	84	82	83	81	80	81	84	79	84	83	83.0
	Minimum....	60	56	63	59	60	61	62	59	61	58	59	61	59	60	57	52	53	66	55	57	60	60	61	61	60	65	58	60	56	58	51	59.0
Ravenswood	Maximum ...	89	91	94	94	88	93	96	83	85	89	94	98	97	90	93	92	91	94	95	94	86	91	91	87	88	85	82	78	74	88	86	89.5
	Minimum....	67	59	65	69	71	68	61	68	66	65	65	64	71	60	62	64	59	70	60	59	63	70	72	70	70	71	62	65	61	56	65	65.1
Richwood	Maximum ...	85	87	84	82	82	85	84	84	78	83	87	88	85	83	83	85	88	84	87	85	79	84	85	83	79	81	83	82	79	84	83	83.6
	Minimum. ..	59	58	64	62	62	62	59	59	64	64	60	61	63	61	58	52	54	62	59	58	54	62	66	62	66	66	59	60	59	59	54	60.3
Robertsburg*	Maximum ...	95	95	92	84	86	92	90	81	81	89	92	94	87	90	89	89	94	96	94	92	88	92	88	89	75	85	88	90	86	88	90	89.1
	Minimum....	66	63	66	69	70	69	68	68	67	65	66	67	69	60	63	63	61	69	64	68	68	68	73	71	72	71	65	67	62	61	66	66.6
Spencer *	Maximum ...	90	90	88	79	83	89	88	84	89	89	92	94	89	90	88	89	92	93	92	94	82	90	88	87	80	85	88	87	82	81		87.7
	Minimum....	66	59	68	69	68	68	66	67	65	64	66	66	71	61	63	64	60	70	66	66	67	69	73	69	71	71	64	65	62	59	64	66.0
Sutton	Maximum ...	90	90	90	89	83	90	90	89	89	88	90	94	94	85	90	90	94	94	92	92	79	93	93	88	88	82	88	88	85	88	88	89.1
	Minimum....	64	61	63	66	65	68	61	63	68	64	63	66	69	63	62	63	60	62	61	62	62	64	70	67	69	69	62	60	64	62	59	63.9
White Sulphur Spgs.	Maximum ...	87	87	81	81	87	90	89	86	86	85	89	93	82	85	85	86	87	86	89	91	86	85	89	88	86	86	81	85	85	86	83	86.2
	Minimum....	60	59	56	64	65	65	64	63	62	63	66	65	64	62	58	60	61	60	60	62	63	63	65	66	67	63	58	60	57	54	63	61.9
Williamson*	Maximum ...	92	91	89	87	84	87	91	84	83	87	92	93	93	92	90	91	91	93	93	94	80	91	93	93	90	90	90	90	88	87	85	89.5
	Minimum....	66	68	68	70	68	70	69	69	68	65	68	72	72	64	63	67	66	66	68	69	69	69	71	71	70	72	67	66	65	67	64	68.0

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	*Total*
Clarksburg	Evaporation	.156	.256	.188	.221	.065	.100	.200	.277	.213	.122	.165	.222	.265	.276	.233	.239	.199	.195	.205	.366	.255	.054	.223	.193	.246	.098	.111	.204	.156	.199	.219	6.121
	Wind movement.......	10	23	17	23	2	32	23	34	37	20	20	17	41	34	21	49	33	22	28	18	39	15	50	108	8	48	32	19	31	41	32	927

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIII Parkersburg, W. Va., August, 1935 No. 8

GENERAL SUMMARY

August was exceptionally wet and somewhat warmer than usual. The average rainfall, 6.71 inches, was the third heaviest of August State record. On August 2d, 3d, and 7th, a series of heavy thundershowers occurred in most sections of the State, excessive 24-hour amounts were received at a number of stations. The greatest 24-hour amount was 4.42 inches at Clarksburg, Harrison County, on the 3d. During the 6-7th, heavy showers occurred over the Little Kanawha and Tygart Valley watersheds, causing considerable damage, many fields of corn were destroyed, and stacks of wheat and hay washed away. The heavy showers caused decided rises in the smaller rivers and moderate stages in the Ohio River. The Little Kanawha River at Glenville, W. Va , reached a flood stage of 28.2 feet on the 7th, and Creston, W. Va., 21.0 feet on the 8th. The Tygart Valley River reached a flood stage at Elkins of 14.6 feet on the 8th. The first two decades of the month were nearly continuously warm, while the last, was unusually cool, with light frosts in scattered localities of the mountain districts on the 29th and 31st. No hail storms were noted. On account of the continued wet weather during the first half of the month much grain was damaged in the shock. Some loss also occurred along the Ohio River. Corn made fair to good growth. Meadows and pastures, however, were improved by the warm, wet weather.

TEMPERATURE

The monthly mean for the State, determined from 49 stations, was 73.2°, or 1.6° above the normal. The temperature was above the normal nearly continuously during the first two decades, and below during the last 10 days of the month, with the lowest readings on the mornings of the 29th and 31st. The highest monthly mean temperature was 77.8° at Huntington, and the lowest was 65.8° at Alpena. The highest temperature was 101° at Martinsburg on the 1st, and the lowest, 33° at Bayard on the 29th, making the monthly range for the State 68°. The greatest daily range was 48° at Brownsville on the 26th.

PRECIPITATION

The average precipitation for the State, determined from 86 stations, was 6.71 inches, which was 2.63 inches more than the normal. The rainfall was heaviest in the central counties thence westward to the Ohio River, and lightest over the southern districts. Heavy to excessive showers occurred almost daily during the first week. From the 11th to the 18th, showers occurred in practically all districts. Moderate to heavy showers fell on the 27-28th. The heaviest showers were noted on the 2d, 3d, and 7th. The greatest monthly rainfall was 11.45 inches at Sutton, and the least, 1.78 inches at Bluefield. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

Fogs, dense: Arbovale, 6th, 11th, 12th, 16th, 23d, and 29th; Bens Run, 5th, 6th, 9th, 10th, and 29th; Buckhannon, 31st; Charleston, 5th and 31st; Crawford, 5th and 6th; Elkins, 12th, 13th, 14th, 25th, 26th, 28th, and 29th; Glenville, 9th, 10th, 12th, 15th, 23d, and 29th; Hinton, 2d, 3d, 8th, 12th, 13th, 15th, and 23d; Huntington, 31st; Parkersburg, 11th, 29th, and 31st; Pickens, 22d; Pt. Pleasant, 29th and 30th; Wellsburg, 12th, 29th, and 31st; Williamson, 5th.

MISCELLANEOUS PHENOMENA (Continued)

Thunderstorms (dates and number of stations reporting): 1st, 14; 2d, 16; 3d, 15; 4th, 6; 6th, 5; 7th, 14; 8th, 4; 9th, 2; 10th, 10; 11th, 2; 13th, 7; 14th, 11; 15th, 7; 16th, 3; 21st, 4; 27th, 3; 28th, 3; 29th, 5.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio .	30.00	30.19	24	29.82	1	6.1	18	ne.	3	86	61	70	66
Columbus, Ohio..	30.00	30.24	24	29.78	1	7.9	37	sw.	13	81	57	67	61
Elkins	30.04	30.26	24	29.79	1	4.8	29	nw.	10	89	62	80	56
Parkersburg	30.04	30.27	24	29.84	1	5.2	28	nw.	1	86	61	76	57
Pittsburgh, Pa ...	30.02	30.24	24	29.74	1	8.7	42	s.	15	81	58	70	69
Wytheville, Va...	29.99	30.15	25	29.83	7	5.3	17	n.	10	85	60	73	52

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891........	69.8	−1.8	......	......	5.48	+1.40	......	......	......	....	....	....	....
1892........	72.1	+0.5	96	41	2.55	−1.53	......	......	......	7	....	....	....
1893........	70.8	−0.8	98	41	3.38	−0.70	......	......	......	....	....	....	....
1894........	71.5	−0.1	103	38	2.07	−2.01	5.15	0.27	......	6	14	12	5
1895........	73.3	+1.7	104	40	3.01	−1.07	7.69	1.15	......	8	15	11	5
1896........	72.6	+1.0	97	40	2.82	−1.26	5.69	0.88	......	7	15	12	4
1897........	70.9	−0.7	100	42	2.91	−1.17	5.93	0.77	.....	9	13	14	4
1898........	73.7	+2.1	96	44	7.51	+3.43	11.57	4.40	......	12	12	12	7
1899........	73.5	+1.9	100	34	2.64	−1.44	6.37	0.34	......	6	15	11	5
1900........	76.0	+4.4	100	45	3.15	−0.93	7.20	1.03	......	8	17	10	4
1901........	73.6	+2.0	98	43	5.14	+1.06	13.70	1.64	..	12	10	13	8
1902......	70.4	−1.2	98	35	2.40	−1.68	6.05	0.97	.....	7	15	13	3
1903........	71.4	−0.2	105	38	2.64	−1.41	5.85	0.99	.. ..	8	12	13	6
1904........	70.7	−0.9	95	32	2.88	−1.20	6.71	0.67	......	9	15	10	6
1905..	71.3	−0.3	96	40	4.25	+0.17	8.32	1.32	......	9	14	11	6
1906.	75.4	+3.8	98	47	5.15	+1.07	10.72	2.18	......	13	10	13	8
1907........	69.4	−2.2	93	41	4.64	+0.56	10.12	1.55	......	11	13	10	8
1908........	70.9	−0.7	101	37	2.82	−1.26	5.63	0.84	.	7	15	10	6
1909........	70.8	−0.8	99	37	3.03	−1.05	5.79	0.81		6	16	10	5
1910...... .	70.8	−0.8	98	39	2.03	−2.05	5.58	0.70	.....	5	17	10	4
1911........	73.5	+1.9	105	40	6.71	+2.63	12.14	2.38	......	12	13	10	8
1912........	69.3	−2.3	95	35	3.64	−0.44	11.70	0.25	......	11	10	13	8
1913.......	72.7	+1.1	102	37	3.18	−0.90	8.20	0.79	......	6	19	7	5
1914........	71.8	+0.2	100	40	4.86	+0.78	9.29	1.38	......	10	15	9	7
1915........	69.4	−2.2	99	36	4.84	+0.76	8.36	2.46	.....	14	10	11	10
1916........	72.9	+1.3	104	40	4.76	+0.68	15.35	1.46	......	10	14	9	8
1917........	71.6	0.0	102	39	3.53	−0.55	8.80	0.94	.	8	17	8	6
1918.......	76.0	+4.4	110	43	3.96	−0.12	9.15	0.63	.....	9	17	8	6
1919........	70.2	−1.4	100	40	4.54	+0.46	8.67	0.95	......	11	16	9	6
1920.......	71.1	−0.5	95	42	4.27	+0.19	9.28	1.69	......	14	9	10	12
1921........	69.7	−1.9	98	37	5.20	+1.12	9.46	2.13	......	9	16	8	7
1922........	68.9	−2.7	98	31	3.87	−0.21	7.51	1.20	......	10	14	9	8
1923........	71.0	−0.6	99	33	4.39	+0.31	12.42	1.60	......	10	15	8	8
1924... .. .	71.7	+0.1	104	34	4.63	+0.55	9.34	0.69	......	9	18	8	5
1925........	70.7	−0.9	100	33	1.86	−2.22	4.92	0.20	......	7	18	8	5
1926..... ..	74.0	+2.4	105	38	6.94	+2.86	15.36	2.95	......	13	13	7	11
1927........	67.1	−4.5	94	34	4.33	+0.25	8.03	1.34	......	11	12	9	10
1928........	74.0	+2.4	103	39	5.36	+1.28	8.43	1.85	......	14	11	8	12
1929........	69.1	−2.5	101	33	3.31	−0.77	5.75	0.14	......	7	16	8	7
1930........	70.7	−0.9	112	30	2.20	−1.88	5.07	0.70	......	8	15	8	8
1931........	71.6	0.0	102	39	6.38	+2.30	10.63	1.62	......	14	11	9	11
1932...... .	72.1	+0.5	104	38	3.04	−1.05	6.57	0.35	......	6	20	7	4
1933........	71.5	−0.1	102	38	5.38	+1.30	9.84	1.28	......	11	13	10	8
1934........	71.6	0.0	99	35	5.37	+1.29	9.28	1.56	.....	11	14	9	8
1935........	73.2	+1.6	101	33	6.71	+2.63	11.45	1.78	......	12	12	12	7
Period. ..	71.6	......	112	30	4.08	....	15.36	0.14	......	10	14	10	7

Climatological Data for August, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	66.6	+0.8	88	12†	33	29	42	5.95	+0.91	1.92	0	10	18	13	0	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	72.0	+2.1	96	1	42	25†	40	7.30	+4.16	1.90	0	10	19	0	12	sw.	Elmer Keister
Circleville	Pendleton	...	3	...	...	...	...	...	...	...	6.64	...	1.64	0	13	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	...	...	...	...	...	...	...	3.70	−0.02	1.82	0	12	...	...	...	...	Sherman Harrison
Kearneysville††	Jefferson	548	5	74.5	...	99	1	46	26	46	1.62	...	0.92	0	4	13	15	3	s.	F. J. Schueiderhan
Martinsburg	Berkeley	435	43	[a]76.8	+3.8	101[a]	1	49	29	35[a]	2.09	−1.68	0.75	0	10	24	4	3	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	72.2	+1.3	98	1	39	25†	45	4.12	+0.97	0.78	0	11	5	14	12	w.	John W. McNeill
Piedmont	Mineral	1,053	22	72.0	+1.5	93	13	44	29	36	4.37	+0.93	1.51	0	13	9	17	5	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	73.6	+1.0	97	1	42	25	43	5.93	+2.29	1.50	0	12	9	13	9	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	...	...	...	...	...	...	...	3.97	−0.61	1.10	0	12	4	3	24	w.	A. C. Becker
Upper Tract °††	Pendleton	1,230	36	[c]77.4	+7.2	95	13	41	30	32	4.30	+1.06	1.15	0	8	9[g]	8[g]	7[g]	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	[b]71.6	+2.1	96[b]	1	40[a]	25	42[c]	3.82	+0.19	1.24	0	9	9[a]	15[a]	6[a]	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	...	...	...	...	...	...	...	10.43	+5.95	2.58	0	13	5	22	4	w.	L. Else Bond
Alma (near)	Tyler	800	8	...	...	...	...	...	...	...	9.88	...	4.00	0	13	9	13	9	...	D. N. Furbee
Alpena	Randolph	2,571	5	65.8	...	85	12†	37	29	42	7.65	...	1.94	0	9	10	16	5	...	Christian Hertig
Benson	Harrison	1,080	11	71.7	+1.0	94	13	40	29	38	7.92	+3.47	2.75	0	13	10	19	2	...	R. D. Marts
Bens Run	Pleasants	652	33	74.9	+1.3	93	12†	51	31	31	9.12	+4.82	3.10	0	16	14	15	2	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	72.2	0.0	93	12	38	26	48	7.42	+3.15	3.12	0	10	9	20	2	...	W. B. Worley
Buckhannon	Upshur	1,411	38	72.2	+2.3	89	15	45	29†	28	9.49	+5.37	2.45	0	13	13	16	2	...	H. A. Darnall
Cairo	Ritchie	680	34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	72.8	+0.8	93	12†	44	29	36	10.57	+6.09	4.42	0	15	7	15	9	nw.	Clarksburg Water Board
Crawford	Lewis	1,107	12	...	...	...	...	...	...	...	7.33	+2.75	2.24	0	11	12	14	5	sw.	George W. Blair
Creston	Wirt	640	33	75.4	+2.3	96	1†	46	29	40	9.69	+5.77	2.00	0	13	14	6	11	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	...	...	...	...	...	...	...	5.05	+0.99	2.11	0	12	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	19	...	...	...	...	...	...	...	7.97	+3.98	2.21	0	13	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	...	...	...	...	...	...	...	6.40	+2.27	1.52	0	16	...	...	...	...	Lockmaster
Davis	Tucker	3,093	26	...	...	...	...	...	...	...	6.41	+1.39	1.83	0	9	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	23	...	...	...	...	...	...	...	8.51	+3.92	2.60	0	14	...	...	...	...	Lockmaster
Elkins	Randolph	1,947	34	70.0	+0.9	90	12	44	29	33	5.61	+1.75	2.35	0	15	3	16	12	se.	U. S. Weather Bureau
Fairmont	Marion	883	29	75.2	+2.5	97	12	48	29†	37	6.42	+2.63	1.69	0	14	12	14	5	w.	J. C. Robinson
Glenville	Gilmer	738	41	77.0	+3.1	99	4†	47	31	41	8.02	+3.82	3.17	0	12	14	6	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	72.8	+1.4	93	17	45	29	34	9.10	+5.07	1.87	0	11	16	0	15	...	W. E. Clayton
Hastings	Wetzel	809	...	...	...	98	4	52	31	32	7.22	...	3.07	0	12	13	11	7	...	L. G. McIntyre
Horner	Lewis	1,044	12	...	...	...	...	...	...	...	7.24	+2.36	2.90	0	14	...	...	...	...	Foster R. Hardman
Horton	Randolph	2,840	10	...	...	...	...	...	...	...	6.73	...	1.54	0	13	16	10	5	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	73.6	+1.5	93	12†	43	29	40	9.29	+4.44	3.12	0	10	14	8	9	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	73.0	+2.3	93	12†	41	29	41	7.90	+3.74	2.60	0	14	15	4	12	w.	Allen Smith
Mannington	Marion	985	32	71.0	+0.8	88	3†	45	29	32	8.06	+4.09	2.17	0	15	12	12	7	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	37	72.4	+1.6	92	1	46	31	30	7.43	+4.04	3.38	0	9	6	15	10	se.	C. H. Hesse
New Martinsville	Wetzel	634	41	75.0	+1.3	95	7†	50	25†	27	7.90	+4.22	2.50	0	14	8	14	9	s.	Wm. Ankrom
Parkersburg	Wood	638	48	74.2	+0.3	94	1†	48	29	30	10.42	+6.91	2.16	0	14	6	17	8	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	72.2	+2.8	94	12	46	25†	37	8.85	+4.80	...	0	...	9	10	12	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	...	...	...	...	...	...	...	8.33	+4.28	2.00	0	10	23	5	3	...	Robert T. Deem
Philippi	Barbour	1,550	38	...	...	...	...	...	...	...	8.48	+4.31	2.05	0	14	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	32	67.4	+0.9	88	12	38	28	39	8.66	+3.16	2.40	0	12	15	13	3	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	...	69.6	...	93	12	37	28	39	6.42	...	1.91	0	10	23	7	1	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	...	...	...	...	...	...	...	6.16	+1.82	2.21	0	12	10	16	5	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	...	...	...	...	...	...	...	10.85	+6.27	3.47	0	15	...	...	...	...	Wm. Hughes
Thomas	Tucker	2,950	6	...	...	...	...	...	...	...	7.19	...	2.16	0	12	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	12	73.0	+0.5	92	12†	45	29†	34	7.87	+3.71	2.45	0	11	9	16	6	e.	J. C. Campbell
Vandalia	Lewis	1,120	12	...	...	...	...	...	...	...	8.49	+4.29	3.29	0	12	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	28	73.4	+3.1	95	12	45	25†	40	8.77	+4.99	2.54	0	12	14	15	2	...	George P. Pfister
West Milford	Harrison	979	10	...	...	...	...	...	...	...	9.96	+5.34	3.00	0	12	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	75.6	+2.9	98	13	46	31	42	8.87	+4.86	2.62	0	14	4	25	2	...	A. Henry
Wheeling (Dam 12)	Ohio	659	48	73.6	+0.8	92	12	48	29	28	6.17	+2.61	1.81	0	15	12	9	10	sw.	Lockmaster
Woodlands	Marshall	637	8	...	...	...	...	...	...	...	4.52	...	1.60	0	9	15	12	4	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	...	...	...	...	...	...	...	6.58	...	2.00	0	13	12	13	6	w.	H. S. Sutton
Bancroft	Putnam	574	31	77.1	+4.0	98	12†	49	31	37	8.58	+4.28	2.05	0	11	14	6	11	w.	Charles N. Long
Beckley	Raleigh	2,440	32	70.4	+0.5	90	12	41	29	37	4.20	+0.76	1.39	0	9	7	21	3	...	L. A. Mauck
Bluefield [d]	Mercer	2,558	40	72.2	+1.7	89	12	51	29	30	1.78	−2.30	0.59	0	9	10	11	6	...	Norfolk & Western Ry.
Charleston	Kanawha	600	32	77.2	+1.9	95	3†	52	31	31	5.33	+0.84	2.02	0	10	21	5	5	...	S. E. Damron
Clay	Clay	706	19	...	...	...	...	...	...	...	5.42	+0.81	1.10	0	12	...	...	...	...	Chilton Wilson
Dam 6 G. K.	Kanawha	598	8	...	...	...	...	...	...	...	6.99	+2.71	1.57	0	11	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	19	...	...	...	...	...	...	...	10.97	+6.72	2.22	0	13	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	19	...	...	...	...	...	...	...	7.63	+3.24	2.32	0	13	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	8	...	...	...	...	...	...	...	8.46	...	3.09	0	13	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	19	...	...	...	...	...	...	...	7.48	+4.13	2.24	0	14	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	19	73.4	+1.4	92	12	50	25†	34	3.75	−0.80	1.61	0	13	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	76.3	+3.0	97	6	50	31	39	3.00	−0.92	1.80	0	10	21	8	2	...	Mrs. M. L. McClung
Huntington	Cabell	538	38	77.8	+3.0	96	1†	50	31	34	4.08	+0.37	1.17	0	12	5	20	6	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	...	...	...	...	...	...	...	4.76	−0.13	1.22	0	13	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	19	...	...	...	...	...	...	...	5.21	−0.13	2.50	0	12	...	...	...	...	Cabin Creek Con Coal Co
Kingston	Fayette	1,481	5	...	...	...	...	...	...	...	4.10	...	...	0	...	...	...	...	...	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rose Argabrite
Logan	Logan	700	32	...	...	...	...	...	...	...	3.15	−0.85	1.10	0	10	...	...	...	...	J. R. Wampler
Madison	Boone	675	14	74.8	+0.4	95	12	50	28†	32	3.15	−0.67	1.40	0	7	15	14	2	...	W. E. Holy
Marlinton	Pocahontas	2,131	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Virginia Crocket
Point Pleasant	Mason	595	42	75.6	+0.9	95	3	48	31	31	6.91	+3.60	2.35	0	14	16	11	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	69.9	...	90	12†	43	29	38	5.85	...	2.34	0	11	21	3	7	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	75.4	+2.5	95	5	47	29†	32	6.22	+2.49	1.96	0	12	10	14	7	se.	Lockmaster
Richwood	Nicholas	2,193	5	72.0	...	94	12	45	29	39	6.23	...	2.34	0	11	13	10	8	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	75.2	+1.3	94	1†	49	31	33	4.53	+1.08	1.47	0	11	15	0	16	...	M. Frazier
Ryan	Roane	700	32	71.8	+0.1	95	6†	40	31	42	5.76	+1.72	1.12	0	12	15	11	5	...	Wm E. Ryan
Sharples	Logan	889	15	...	...	...	...	...	...	...	2.60	−2.15	2.00	0	2	...	...	...	...	R. W. Howard
Spencer	Roane	789	31	74.4	+2.1	93	15†	47	29†	32	7.74	+3.95	1.68	0	12	7	19	5	...	A. M. McKown
Summersville	Nicholas	1,894	2	...	...	...	...	...	...	...	6.86	...	1.40	0	11	...	...	...	...	Carl Perry
Sutton	Braxton	850	29	74.6	+1.5	96	12†	47	31	36	11.45	+7.01	3.50	0	13	18	0	13	...	C. B. Eakle
Thornwood	Pocahontas	2,723	1	...	...	...	...	...	...	...	6.40	...	1.90	0	11	...	...	...	...	Eva R. Smith
Union	Monroe	2,250	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. King
Wayne	Wayne	598	8	...	...	...	...	...	...	...	4.23	−0.39	1.97	0	11	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	25	72.6	+2.3	93	13	46	30	35	3.25	−0.29	1.10	0	5	26	1	4	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	77.2	+2.4	96	2	52	31	30	2.93	−0.99	1.27	0	10	8	19	4	ne.	J. E. Dotson
State averages and	extremes	...	...	73.2	+1.6	101	1	33	29	48	6.71	+2.63	4.42	0	12	12	12	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for August, 1935

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	....	1.92	1.05	.16	....	....	1.36	....	....	....	.20	....	....	.20	T.	....	T.	....	....	.01	.01	....	....	....	....	....	.95	....	....	....	.09	5.95
Brandywine	....do	....	.75	.55	1.05	....	....	1.90	....	T.	.40	1.40	....	....	....	....	....	....	.40	.25	.45	T.	....	....	....	....	....	.15	....	....	....	....	7.30
Circleville	....do	.09	1.64	.80	T.	.12	....	.78	.17	.09	....	....	....	....	....	....	....	.17	T.	....	.34	.54	1.45	....	....	....	....	.31	.14	....	....	T.	6.64
Harpers Ferry ‖‖	....do	....	.02	.17	....	....	....	1.00	.18	....	....	.15	....	....	1.82	....	....	....	....	....	.07	.09	.01	.05	....	....	....	.06	.08	....	....	....	3.70
Kearneysville	....do	....	....	....	....	....	....	.92	T.	....	....	.12	....	T.	T.	....	....	....	....	T.	.07	....	....	....	....	....	....	.51	....	....	....	....	1.62
Martinsburg ‖‖	....do	T.	.10	.25	....	....	....	.75	.15	.02	....	.12	....	....	.10	....	.05	....	....	....	T.	....	....	....	....	....	....	....	.50	....	.05	....	2.09
McNeill	....do	....	.78	.65	.17	....	....	.62	....	....	.30	.39	....	T.	.53	T.	.05	T.	....	T.	.10	T.	T.	....	....	....	....	.50	....	....	.03	T.	4.12
Piedmont	....do	T.	.76	.56	....	.18	....	1.51	.12	.01	.01	....	....	....	.09	....	.01	....	....	....	.14	.01	....	....	....	....	....	.96	....	....	T.	.01	4.37
Romney‖‖	....do	....	.44	.75	.40	....	1.50	....	....	.01	.65	1.31	....	....	.01	....	....	....	....	....	.05	.01	....	....	....	....	....	.79	....	....	.01	....	5.93
Stony River Dam	....do	.12	.55	1.02	.08	.10	....	1.10	.06	.02	....	.04	....	....	....	....	....	....	....	....	.29	.22	....	....	....	....	....	....	....	.37	....	....	3.97
Upper Tract	....do	....	1.15	.87	.28	....	....	1.10	T.	.05	....	....	....	....	....	....	....	....	.50	T.	.20	....	....	....	....	....	....	.15	....	....	....	....	4.30
Wardensville‖‖	....do	....	.15	.17	.25	....	....	.97	....	....	....	1.24	....	....	.50	T.	T.	....	.31	T.	....	....	....	....	....	....	....	.20	.03	....	T.	....	3.82
Northern Division																																	
Aberdeen	Monongahela	.16	.69	2.10	1.17	....	.60	2.58	....	.86	....	.57	....	....	.11	.17	....	....	....	....	T.	.16	T.	....	....	....	....	.85	.41	....	....	....	10.43
Alma (near)	Ohio	.40	.88	1.89	.14	....	.05	4.00	.06	....	.04	....	....	.47	....	.24	....	....	....	....	....	....	....	....	....	....	....	1.07	.59	....	.05	....	9.88
Alpena	Monongahela	....	1.50	1.80	.50	....	....	1.94	....	....	.03	....	....	....	.61	T.	....	....	....	....	....	.60	.22	....	....	....	....	.45	....	....	....	....	7.65
Benson	....do	.27	.60	1.30	.25	....	.02	2.75	....	.04	.65	.26	....	....	.20	....	.03	....	....	....	....	....	....	....	....	....	....	1.00	.55	....	....	....	7.92
Bens Run	Ohio	.61	.19	.81	.87	.07	.19	3.10	....	....	.22	....	....	.21	T.	.49	.40	.11	.09	.09	....	T.	....	....	....	....	....	.50	1.17	....	T.	....	9.12
Brownsville	Monongahela	....	.41	.36	.46	....	....	3.12	....	.72	....	.80	....	....	.46	....	.01	....	....	....	....	....	....	....	....	....	....	.78	.30	....	....	....	7.42
Buckhannon	....do	.15	1.68	1.11	1.20	....	.27	2.45	....	.27	.10	.18	....	....	.50	.70	....	....	....	....	....	....	....	....	....	....	....	.82	.06	....	....	....	9.49
Cairo	Little Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg‖‖	Monongahela	.48	.69	4.42	.35	.14	.04	1.68	.66	.26	....	.33	....	....	.06	....	....	....	....	....	....	....	.14	....	....	....	....	.44	.86	....	....	.02	10.57
Crawford‖‖	....do	.14	2.15	.03	.32	....	....	2.24	.68	....	.33	....	....	....	.53	....	....	....	....	....	....	....	....	....	....	....	.04	.72	.15	....	....	....	7.33
Creston‖‖	Little Kanawha	2.00	1.05	.35	.17	....	....	1.63	1.02	....	....	.45	....	....	.45	....	.65	.22	....	....	....	....	....	....	....	....	.16	.51	1.03	....	....	....	9.69
Dam 10, Mon. R.‖‖	Monongahela	....	.98	.39	.11	.18	....	1.95	.16	....	....	.43	....	.03	.03	....	.23	....	....	....	....	....	....	....	....	....	....	.24	.32	....	....	....	5.05
Dam 13, O. R.‖‖	Ohio	.05	.23	2.12	1.51	.09	....	2.13	.08	.48	....	.45	....	....	....	....	.05	....	....	....	....	....	.07	....	....	....	....	.09	.62	....	....	....	7.97
Dam 15, Mon. R.‖‖	Monongahela	.13	1.32	.88	.31	.06	....	1.22	.30	.12	....	.06	....	....	.03	....	.05	....	.28	....	....	....	.13	....	....	....	....	.22	1.17	....	....	.12	6.40
Davis ‖‖	....do	....	.83	1.82	.25	....	1.83	T.	....	....	T.	....	....	....	....	.10	....	T.	....	....	....	....	.80	....	....	....	....	.19	.54	....	.05	....	6.41
Elizabeth(D'm 3 LK)	Little Kanawha	2.60	.40	.32	.64	.02	....	1.69	.81	....	....	.12	....	....	.28	....	.19	.36	....	....	....	....	.05	....	....	....	....	.54	.49	....	....	....	8.51
Elkins***	Monongahela	.11	.73	2.06	.04	....	.06	1.05	.04	....	.19	....	....	.01	.50	.18	....	T.	....	T.	T.	.12	....	....	....	....	T.	.44	.07	T.	.01	....	5.61
Fairmont‖‖	....do	1.61	.79	.19	.11	....	1.69	.29	.13	....	.10	....	....	.03	....	.03	....	....	....	....	....	.05	....	....	....	....	.31	1.05	....	....	.04	....	6.42
Glenville ‖‖	Little Kanawha	.57	1.16	.90	.10	....	....	2.00	1.17	....	....	.41	....	....	.17	....	T.	.03	....	....	....	.20	....	....	....	....	T.	.76	.55	....	T.	....	8.02
Grafton ‖‖	Monongahela	.04	1.52	1.60	.47	T.	....	1.87	T.	T.	T.	.95	....	....	.72	.40	....	....	....	....	....	....	....	....	....	....	....	1.10	.18	....	.25	....	9.10
Hastings	Ohio	.38	.60	.85	.81	....	.27	3.07	....	.06	....	.28	....	....	.08	....	T	....	....	....	....	....	.11	....	....	....	....	.46	.25	....	....	....	7.22
Horner	Monongahela	.15	.85	.15	.10	.02	.40	2.90	.20	....	.75	....	....	....	....	....	.20	....	....	.15	....	.10	....	....	....	....	....	.90	.37	....	....	....	7.24
Horton	....do	....	1.32	.97	.55	....	....	1.54	....	....	....	....	....	.29	....	.03	.44	....	.48	.24	.20	.20	....	....	....	....	....	.44	....	....	.03	....	6.73
Janelew (near)	....do	.18	.52	2.12	.55	....	....	3.12	....	.45	....	.80	....	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	.80	.55	....	....	....	9.29
Lost Creek	....do	.26	.45	1.52	.48	....	.04	2.60	.12	.04	.58	.09	....	....	.19	T.	....	....	T.	....	....	T.	.14	....	....	....	....	.68	.71	....	....	....	7.90
Mannington	....do	.10	1.72	1.22	.70	....	....	2.17	.39	....	.07	.05	....	.02	.04	.44	.15	....	....	....	....	....	....	....	....	....	....	.67	.31	....	.01	....	8.06
Morgantown	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New Cumberland‖‖	Ohio	.07	....	2.03	1.35	.08	....	2.74	....	....	....	.30	....	.11	....	....	.28	....	....	....	....	.47	....	....	....	....	....	....	T	....	....	....	7.43
New Martinsville	....do	.22	1.05	1.68	.50	....	.08	2.50	....	....	.30	.12	....	.14	.15	.06	....	....	.50	....	....	....	....	....	....	....	....	.45	.15	....	....	....	7.90
Parkersburg***	....do	3.52	.84	.25	....	....	.02	2.14	T.	....	.77	.01	....	.10	.60	.04	.19	.04	....	....	....	.49	....	....	....	....	....	1.41	....	....	T.	....	10.42
Parsons	Monongahela	....	1.60	1.70	1.20	....	.30	1.85	....	....	T.	T.	T	T.	T.	.25	....	....	....	....	....	....	T.	....	....	....	T.	*	1.95	....	....	....	8.85
Parsons No. 2	....do	....	1.80	1.71	1.31	....	.06	2.00	....	T.	.42	.10	....	....	.20	.06	....	....	....	....	....	....	....	....	....	....	....	.67	....	....	....	....	8.33
Philippi	....do	.03	.40	2.05	.34	.70	....	.88	.40	.21	....	.66	....	....	1.08	....	.42	....	....	....	....	....	....	....	....	....	....	.53	.75	....	.03	....	8.48
Pickens	....do	.20	1.80	.65	.40	....	.05	2.40	.38	....	.37	.25	....	....	....	....	....	....	....	....	.70	....	.38	....	....	....	....	1.08	....	....	....	....	8.66
Reedsville	....do	....	.84	.43	.10	....	1.91	....	....	....	.70	....	....	....	.43	.26	.11	....	....	....	....	....	....	....	....	....	....	1.55	....	....	.09	....	6.42
Roanoke	....do	.14	.90	.14	.30	....	.24	2.21	.34	.21	....	.19	....	....	.21	T.	....	....	....	....	....	....	....	....	....	....	T.	.48	.80	....	....	....	6.16
Saint Marys‖‖	Ohio	.86	.31	.64	.97	....	.60	3.47	.62	.03	....	.33	....	....	.45	....	.04	.74	....	T.	....	T.	.01	....	....	....	....	.73	1.05	....	T.	T.	10.85
Thomas ‖‖	Monongahela	.12	.86	2.16	.26	.56	....	1.70	.08	....	....	.16	....	....	.20	....	.19	....	....	....	....	....	....	....	....	....	....	.30	.60	....	....	....	7.19
Valley Chapel	....do	.21	.51	1.70	.53	....	....	2.45	....	....	.83	.20	....	....	.12	....	T.	....	....	....	.02	....	T.	....	....	....	....	.62	.68	T.	....	....	7.87
Vandalia	....do	....	.99	.24	.15	....	.15	3.29	.55	....	.17	....	....	....	.83	....	....	....	....	....	1.06	....	....	....	....	....	.25	.60	.21	....	....	....	8.49
Wellsburg	Ohio	T.	.59	2.54	.93	....	.55	1.41	.21	....	.14	....	....	.35	....	1.07	.09	....	....	....	....	.63	....	....	....	....	....	T.	.26	....	....	....	8.77
West Milford	Monongahela	.48	.50	.40	1.50	.85	3.00	.50	.56	.30	....	....	....	....	.22	....	....	....	....	....	....	....	....	....	....	....	....	.85	.80	....	....	....	9.96
Weston	....do	.15	.51	.98	.41	.27	.16	2.62	.82	.48	T.	.97	T.	....	.21	T.	T.	....	....	....	....	....	....	....	....	....	....	.51	.75	T.	.03	T.	8.87
Wheeling(Dam 12)‖‖	Ohio	.13	.64	1.81	.75	.32	....	1.57	.02	T.	....	.10	....	.09	.11	.02	.13	T.	....	....	....	....	.24	....	....	....	....	.04	.20	....	....	....	6.17
Woodlands‖‖	....do	.30	.32	1.60	....	....	.02	1.35	.65	....	....	....	....	.05	....	....	.05	T.	....	....	....	....	....	....	....	....	....	.18	....	....	....	....	4.52
Southern Division																																	
Arbovale	Great Kanawha	.16	.74	.87	.20	....	.33	2.00	T	.19	1.37	....	....	....	.04	....	....	....	....	.04	.18	.20	....	....	....	....	....	.26	....	....	....	....	6.58
Bancroft ‖‖	....do	.23	....	....	.15	....	....	.75	2.05	.60	....	1.31	....	....	1.65	....	....	.13	.07	....	....	....	.19	....	....	....	....	1.45	....	....	....	....	8.58
Beckley	....do	.48	....	....	.42	....	....	.90	.51	.06	....	.25	....	....	1.39	....	.05	T.	....	....	T.	T	....	....	....	....	....	.14	....	....	....	....	4.20
Bluefield	....do	....	.06	....	....	.12	....	.28	.15	....	....	....	.17	....	....	....	....	....	....	.30	.08	.03	.59	....	....	....	....	....	....	....	....	....	1.78
Camden-on-Gauley	Gauley	.67	.24	.32	.30	.93	....	2.85	.61	.15	....	.05	....	....	.12	....	....	....	....	....	....	....	....	....	....	....	....	.95	.43	....	....	....	7.62
Charleston	Great Kanawha	.91	....	....	.07	....	....	.92	.02	.01	....	.53	....	....	.78	....	T	.03	....	....	....	....	....	....	....	....	....	2.02	.04	....	....	....	5.33
Clay‖‖	....do	.94	....	.06	.05	....	....	.58	.86	.04	....	.31	....	....	.51	....	....	.06	....	....	....	....	.34	....	....	....	....	1.10	.57	....	....	....	5.42
Dam 3 G. K. ‖‖	....do	.94	.40	....	.03	.04	....	....	1.52	.18	....	.21	....	....	.23	.05	....	.29	....	....	....	....	....	....	....	....	....	.30	1.04	....	....	....	5.23
Dam 6 G. K. ‖‖	....do	1.57	.25	....	.07	....	....	....	1.29	.16	....	.49	....	....	.89	....	....	....	.03	....	....	....	.20	....	....	....	....	1.50	.54	....	....	....	6.99
Dam 19 O. R. ‖‖	Ohio	1.84	.27	.38	.29	....	....	.60	1.38	....	....	.84	....	....	1.56	....	T.	.10	.07	....	....	....	2.22	....	....	....	....	.35	1.07	....	T.	....	10.97
Dam 20 O. R. ‖‖	....do	.97	.05	....	.16	....	....	.58	1.24	....	....	.47	....	....	.14	....	.02	.30	.28	....	....	....	2.32	....	....	....	....	.40	.70	....	T.	....	7.63
Dam 25 O. R. ‖‖	....do	.61	....	.02	.47	....	....	....	3.09	.96	....	.45	....	....	....	....	.25	1.20	.23	.06	....	....	....	....	....	....	.07	.56	.49	....	....	....	8.46
Dam 26 O. R. ‖‖	....do	.10	....	....	.17	....	....	.03	2.24	....	....	.90	....	....	.50	.05	.64	1.30	.25	.03	....	.15	....	....	....	....	....	.92	.20	....	....	....	7.48
Gary ‖‖	Big Sandy	.02	....	.06	.11	....	....	....	1.11	.29	....	1.61	.01	....	....	....	....	.46	....	....	.01	.04	.01	.01	....	....	....	....	.01	....	....	....	3.75
Hinton‖‖	....do	.73	.02	....	.04	....	....	.28	1.52	T.	....	.25	....	....	.07	....	....	....	....	....	....	....	.02	....	....	....	....	....	.06	....	.01	....	3.00
Huntington	Ohio	....	T.	....	.02	....	....	.90	.02	....	T.	.30	....	....	.84	.02	.37	.37	.03	.04	T.	T.	....	....	....	....	.02	1.15	....	....	....	....	4.08
Kanawha Falls‖‖	Great Kanawha	.70	.30	....	.38	.08	....	.15	.81	.01	....	.45	....	1.20	.02	....	.04	T.	....	....	T.	....	....	....	....	....	....	.11	.51	....	....	....	4.76
Kayford‖‖	....do	.54	....	....	....	.05	....	.05	2.50	.10	....	.38	....	....	.91	.20	....	....	....	....	....	....	.01	.01	....	....	....	.18	.28	....	....	....	5.21
Kingston	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.10
Lewisburg	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Logan‖‖	Guyandotte	.35	....	....	....	....	....	....	1.10	....	....	.39	....	....	.07	.12	....	.60	.35	....	T.	.09	....	....	....	....	....	.03	.05	....	....	....	3.15
Madison	Great Kanawha	....	....	.02	....	....	....	1.03	....	....	....	....	....	1.40	.06	....	.15	....	....	....	....	....	....	....	....	....	.40	.09	....	....	....	....	3.15
Marlinton	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Point Pleasant‖‖	Ohio	.40	....	.02	.52	....	....	.05	2.30	.10	....	.40	....	....	.62	....	.42	.60	.30	.10	....	....	....	....	....	....	....	.76	.32	....	....	....	6.91
Rainelle	Meadow Creek	.41	....	....	.21	....	....	2.34	.86	....	....	.18	....	1.10	.45	....	T.	.01	....	.03	....	....	....	....	....	....	....	.21	.02	....	....	....	5.85
Ravenswood(Dam 22	Ohio‖‖	.28	.02	....	.28	....	....	.13	1.96	....	....	.50	....	....	.25	....	....	.19	.12	....	....	....	.40	....	....	....	....	.32	1.77	....	....	....	6.22
Richwood	Great Kanawha	.60	....	....	.75	.01	....	2.34	.63	.07	....	.46	....	....	.53	.02	....	....	....	....	....	....	....	....	....	....	....	.80	.02	....	....	....	6.23
Robertsburg‖‖	....do	.15	....	....	.09	....	....	....	1.47	....	....	.55	....	....	.52	....	.06	.33	.09	.03	....	....	....	....	....	....	....	1.14	.10	....	....	....	4.53
Ryan	....do	1.12	....	....	.22	....	....	1.00	....	....	.31	....	....	.21	.83	....	.40	.45	....	....	....	....	.01	....	....	....	.03	.67	.51	....	....	....	5.76
Sharples‖‖	Coal River	....	....	....	....	....	....	....	....	....	....	....	....	....	2.00	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	....	....	....	2.60
Spencer ‖‖	Great Kanawha	.78	.22	.29	T.	.07	....	1.02	.85	T.	....	.98	....	....	1.68	....	T.	.04	....	....	.05	....	....	....	....	....	....	.62	1.14	....	....	....	7.74
Summersville	....do	1.00	....	....	.52	.23	....	1.40	1.16	.75	....	.34	....	....	.14	....	....	....	....	....	....	....	.02	....	....	....	....	.99	.31	....	....	....	6.86
Sutton	Gauley	.70	3.00	....	.80	....	.15	3.50	....	.15	....	.45	....	....	.20	.10	....	....	....	.40	.35	....	....	....	....	....	....	.95	.70	....	....	....	11.45
Thornwood	Great Kanawha	1.50	1.30	....	.10	....	1.90	.10	....	....	.50	....	....	....	....	....	....	.10	....	.20	.10	....	....	....	....	....	.50	....	....	....	....	.10	6.40
Union	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wayne‖‖	Big Sandy	....	....	....	.17	....	....	....	.46	....	....	.42	....	....	.38	.12	.19	.29	.05	.02	....	....	....	....	....	....	....	1.97	.16	....	....	....	4.23
White Sulpr. Spgs.‖‖	Great Kanawha	....	....	....	....	....	1.10	1.05	....	....	.80	....	....	....	....	....	....	.10	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	3.25
Williamson‖‖	Big Sandy	.36	....	....	....	....	....	....	.26	....	....	.71	....	....	1.27	T.	.04	.15	.01	....	.09	....	....	....	....	....	....	.02	.02	....	....	....	2.93

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for August, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	85	80	85	80	80	84	80	78	77	83	80	88	88	84	82	83	80	78	79	75	81	80	75	73	77	80	72	69	67	67	68	78.6
	Minimum	65	62	65	63	60	58	63	60	58	53	57	47	57	58	61	62	61	51	55	58	58	65	50	35	35	40	61	52	33	47	43	54.6
Brandywine	Maximum	96	85	84	94	85	90	83	84	82	83	82	92	95	91	86	88	87	84	85	80	86	84	80	74	82	84	80	82	80	75	70	84.3
	Minimum	65	64	65	65	59	61	66	60	66	64	62	58	62	60	65	68	70	65	64	65	64	63	60	46	42	48	55	60	45	54	42	59.8
Kearneysville	Maximum	99	92	97	91	89	88	81	71	80	89	86	92	97	90	91	89	89	85	89	80	82	88	83	82	84	92	85	82	74	75	75	86.0
	Minimum	71	69	70	65	71	59	65	65	65	68	65	61	71	67	69	69	69	60	58	69	69	68	59	52	48	46	68	64	47	56	50	63.0
Martinsburg*	Maximum	101	95	99	93	90	90	75	70	80	85	88	96	100	92	92	90	90	90	90	90	90	90	83	90	88	90	92	82	75	80	..	88.5
	Minimum	66	70	72	77	69	60	67	65	65	67	67	66	70	69	70	70	70	70	60	69	68	70	60	55	60	62	68	68	49	53	50	65.2
McNeill	Maximum	98	85	95	86	88	92	83	81	83	90	87	96	97	89	83	85	89	84	85	82	84	87	81	81	84	89	82	80	75	77	72	85.5
	Minimum	65	67	66	67	61	60	66	67	69	58	62	55	64	66	66	65	64	57	60	61	63	61	57	42	39	45	53	60	39	54	41	58.8
Piedmont	Maximum	91	88	90	88	84	84	73	69	74	87	85	89	93	84	84	86	83	82	84	79	84	86	79	77	81	85	74	76	68	76	69	81.7
	Minimum	70	67	68	68	68	62	64	65	64	64	64	59	64	68	69	69	68	61	68	65	67	69	58	48	45	58	65	60	44	53	47	62.2
Romney	Maximum	97	93	95	90	88	89	84	73	75	91	86	95	96	95	88	89	87	85	87	83	88	88	83	81	83	88	85	77	70	74	71	85.6
	Minimum	69	67	69	69	65	59	66	66	66	62	63	60	66	69	68	69	66	59	65	65	67	66	61	47	42	45	61	62	45	55	46	61.5
Upper Tract	Maximum	..	89	92	90	88	93	90	87	84	90	86	94	95	91	89	89	85	82	84	81	88	86	..	..	88	86	78	78	78	73	74	86.0
	Minimum	..	73	74	74	68	72	73	72	73	64	70	72	79	67	78	77	66	76	74	65	75	67	..	..	64	72	55	60	61	41	65	68.9
Wardensville	Maximum	96	84	93	88	86	90	78	78	75	..	85	93	93	91	83	86	83	88	85	80	83	86	76	75	79	89	79	77	71	75	..	83.6
	Minimum	65	66	67	65	64	59	65	61	65	58	..	51	65	65	68	66	64	57	65	63	67	66	58	45	40	51	63	58	41	53	43	59.5
Northern Division																																	
Alpena	Maximum	82	77	82	75	72	83	75	71	81	80	78	85	85	82	81	73	79	75	75	76	80	77	72	71	75	77	70	69	67	67	66	76.1
	Minimum	63	62	63	60	57	67	62	62	60	60	57	50	59	60	39	60	62	60	60	59	61	62	53	39	38	41	60	59	37	49	41	55.5
Bens Run	Maximum	92	91	92	85	89	91	80	87	86	86	86	93	93	93	91	85	77	89	88	90	93	86	71	82	86	87	76	70	65	70	71	84.5
	Minimum	70	70	71	70	70	68	68	68	68	67	65	65	67	68	70	70	70	68	67	68	72	66	60	57	55	61	66	59	52	56	51	65.3
Buckhannon	Maximum	87	86	88	87	82	87	83	83	84	84	80	87	84	85	89	85	85	84	84	86	84	84	76	75	77	81	77	74	68	71	65	81.7
	Minimum	67	67	69	67	61	65	67	65	64	64	64	59	68	66	66	67	67	66	63	62	63	66	58	58	58	65	65	60	45	60	45	62 8
Clarksburg*	Maximum	90	84	90	85	85	90	81	87	87	86	87	93	93	86	93	88	85	88	85	91	92	81	76	78	83	85	72	71	70	72	68	84.0
	Minimum	68	68	69	68	62	65	67	65	65	65	64	60	67	66	66	67	68	65	61	64	63	68	58	48	47	52	63	58	44	53	46	61.6
Creston	Maximum	96	92	91	90	93	94	91	90	92	89	91	96	95	91	95	93	78	90	91	93	95	94	81	83	89	88	80	76	75	73	71	88.3
	Minimum	66	68	72	68	61	67	66	66	64	66	61	66	67	65	68	67	68	68	67	62	68	65	56	49	49	55	64	60	46	54	47	62.5
Elkins	Maximum	87	84	87	82	81	88	80	82	84	84	81	90	89	84	84	84	83	82	81	83	84	78	74	75	78	81	70	70	67	67	65	80.3
	Minimum	68	66	67	67	60	63	65	63	62	65	62	58	64	64	62	65	69	64	62	61	62	62	52	46	45	48	65	48	44	53	47	59.6
Fairmont	Maximum	95	89	94	91	89	94	80	87	91	91	89	97	95	88	95	89	88	89	89	91	92	86	81	83	87	92	72	75	71	72	73	86.9
	Minimum	68	69	70	69	64	69	69	65	66	67	66	62	70	68	69	69	70	67	63	66	66	68	58	51	50	55	64	61	48	53	48	63.5
Glenville	Maximum	95	95	95	99	93	95	95	92	92	92	87	97	99	93	98	94	96	94	94	94	95	94	85	85	85	91	87	76	77	75	76	90.8
	Minimum	69	70	70	69	64	69	67	68	66	67	64	63	65	67	70	70	68	65	63	64	68	69	57	51	50	56	62	62	48	57	47	63.3
Grafton	Maximum	90	85	92	86	88	88	81	86	86	87	85	92	92	88	80	88	93	88	87	90	90	84	80	80	83	84	81	72	68	70	69	84.3
	Minimum	68	67	68	67	61	65	67	63	60	61	60	60	63	62	67	69	68	65	62	63	65	68	57	50	49	53	63	60	45	55	48	61.3
Lost Creek	Maximum	90	91	90	85	89	91	82	89	90	89	88	93	90	89	91	86	85	90	88	93	91	84	80	79	86	85	76	75	72	73	71	85.5
	Minimum	68	65	69	67	60	64	66	64	65	65	62	58	67	65	66	65	68	65	60	60	62	66	55	46	45	50	65	62	41	52	43	60.5
Mannington	Maximum	87	85	88	82	83	85	84	82	83	83	81	88	87	83	87	83	82	83	83	84	84	81	75	75	78	81	76	70	66	68	66	80.7
	Minimum	69	68	69	67	60	66	67	63	65	64	63	60	67	67	68	67	68	64	60	61	64	66	56	46	45	52	65	58	45	52	45	61.2
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland*	Maximum	92	86	90	89	86	86	83	85	84	86	88	91	91	83	91	85	85	86	89	87	89	79	78	78	76	81	80	74	74	69	69	83.5
	Minimum	70	72	69	70	61	63	65	55	60	66	61	63	68	68	62	68	70	63	62	64	68	60	55	52	50	53	57	56	47	53	46	61.2
New Martinsville	Maximum	92	89	91	86	91	92	95	90	89	85	88	95	92	85	90	85	83	90	90	93	91	82	81	83	87	89	80	75	70	70	73	86.2
	Minimum	70	69	71	69	65	68	68	67	67	69	64	64	72	67	70	69	70	67	63	64	68	64	58	56	50	56	66	57	50	55	50	64.0
Parkersburg	Maximum	94	90	94	88	90	92	79	87	86	88	87	93	90	83	90	83	76	86	87	88	91	80	76	77	84	85	78	71	68	71	69	83.9
	Minimum	67	70	69	71	66	71	68	67	68	66	62	67	69	68	72	71	70	71	69	67	69	62	59	56	54	60	66	53	48	54	49	64.5
Parsons	Maximum	90	90	89	81	85	89	85	82	87	87	86	94	90	91	90	87	85	82	83	85	87	83	80	80	83	85	73	75	69	71	74	83 8
	Minimum	68	66	66	66	60	66	64	62	63	64	64	60	62	65	65	66	66	63	62	61	62	65	57	49	46	50	65	54	46	53	48	60.5
Pickens	Maximum	86	82	84	76	81	86	74	68	83	83	81	88	87	87	86	85	83	82	82	85	82	80	74	77	79	86	72	68	65	65	65	79.4
	Minimum	62	62	65	60	54	59	60	59	58	59	52	54	61	59	62	65	62	58	59	55	58	64	53	44	44	47	48	38	50	48	40	55.5
Reedsville	Maximum	87	84	87	83	84	86	81	87	89	88	84	93	89	83	87	85	83	80	82	81	86	83	75	79	79	81	79	67	69	67	65	81.7
	Minimum	67	65	67	66	65	60	65	59	59	60	61	54	64	62	63	64	65	57	57	56	58	64	51	41	41	41	63	37	54	50	42	57.5
Wellsburg	Maximum	92	89	91	91	89	88	87	86	89	86	90	95	91	88	91	89	91	88	90	90	90	85	82	83	85	88	82	79	77	70	71	86.5
	Minimum	66	69	68	69	59	61	68	65	63	64	61	59	69	66	66	68	69	62	60	62	65	60	52	47	45	50	63	52	45	52	46	60.4
Weston	Maximum	95	93	94	90	91	95	93	92	91	91	90	97	98	96	94	92	90	93	94	92	95	90	85	81	87	89	83	78	76	77	75	89.6
	Minimum	68	65	64	65	69	68	67	68	67	65	64	61	69	62	67	67	48	64	62	61	65	68	58	48	51	53	65	62	47	56	46	61.6
Wheeling (Dam 12)	Maximum	90	89	91	90	87	88	80	87	86	86	87	92	90	82	91	82	85	88	88	89	91	80	78	79	80	86	80	72	71	70	72	84.1
	Miuimum	71	70	71	70	63	65	67	67	65	69	69	64	70	69	68	68	71	67	64	66	66	60	56	54	53	54	60	54	48	50	49	63.2
Southern Division																																	
Beckley	Maximum	88	89	89	83	84	87	83	84	81	85	84	90	89	82	88	82	80	81	83	85	85	83	77	81	82	83	81	74	72	67	67	82.2
	Minimum	64	66	66	64	56	55	62	63	59	58	56	56	63	60	64	64	61	63	60	62	63	66	60	53	45	48	62	59	41	52	43	58.6
Bluefield	Maximum	88	88	85	..	88	88	87	82	80	84	..	89	88	88	87	83	80	..	80	81	82	84	81	79	..	82	81	77	74	69	68	82.3
	Minimum	67	68	68	..	61	60	64	62	63	65	..	59	66	64	63	69	67	..	64	65	65	66	60	56	..	52	59	64	51	55	56	62.2
Charleston	Maximum	94	94	95	90	93	95	90	88	91	91	89	95	93	90	94	91	82	88	90	89	91	88	80	84	88	89	85	78	73	74	71	87.8
	Miuimum	69	74	76	71	69	69	69	70	68	69	68	64	71	67	70	73	71	69	69	67	71	69	64	57	57	60	67	66	53	59	52	65.7
Gary*	Maximum	90	90	89	84	87	90	88	86	86	87	84	92	89	90	90	84	82	81	82	85	84	84	81	82	82	85	80	77	74	71	72	84.1
	Minimum	60	68	68	68	65	62	65	65	63	64	62	63	65	67	63	66	66	68	67	66	67	70	65	56	50	51	57	64	53	55	50	62 6
Hinton*	Maximum	96	96	96	90	93	97	87	85	90	92	90	96	96	92	95	87	83	87	90	92	95	90	85	87	91	93	83	83	76	75	77	89.2
	Minimum	61	67	70	69	68	64	66	67	64	64	62	64	67	66	68	67	68	68	64	68	68	70	65	55	54	54	56	61	53	56	50	63.4
Huntington	Maximum	96	96	95	92	96	96	90	89	91	92	89	96	94	90	94	87	82	84	88	93	95	87	80	82	90	90	77	77	74	79	73	88.2
	Minimum	74	78	76	73	69	68	69	71	71	71	63	68	74	69	72	72	72	72	69	67	72	67	62	58	56	64	67	62	53	58	50	67.3
Madison	Maximum	93	93	92	89	90	93	90	87	91	92	88	95	93	90	92	88	86	85	87	88	91	76	80	83	86	88	80	79	74	74	71	86.6
	Minimum	72	71	70	67	64	69	66	65	65	62	65	69	66	67	70	62	67	64	63	67	67	61	55	53	54	62	64	50	52	50	51	62.9
Point Pleasant	Maximum	94	94	95	93	93	92	89	88	88	91	92	93	92	89	93	84	83	87	88	89	92	81	80	80	84	87	80	73	71	73	70	86.4
	Minimum	69	75	76	70	65	69	70	66	69	70	61	66	73	65	71	71	69	68	67	65	71	63	56	54	53	62	65	58	50	55	48	64.8
Rainelle	Maximum	88	88	88	83	85	89	77	77	82	85	83	90	90	86	85	83	72	80	80	84	86	83	78	82	82	85	78	74	70	67	74	81.7
	Minimum	63	63	63	63	58	57	61	64	58	58	57	55	59	60	61	65	66	63	64	65	64	66	59	47	45	47	49	58	43	44	54	58.1
Ravenswood	Maximum	93	93	93	91	95	90	89	90	91	89	90	93	90	85	91	89	89	88	88	89	92	92	78	81	81	86	78	85	77	76	70	87.2
	Minimum	70	71	73	70	63	69	67	66	67	67	65	62	72	62	70	71	70	70	69	64	71	63	58	52	50	58	61	53	47	55	47	63.6
Richwood	Maximum	88	87	88	83	84	85	86	80	83	86	86	94	92	86	87	87	78	87	81	85	89	86	78	82	86	86	81	76	70	68	67	83.3
	Minimum	66	66	68	64	62	60	65	65	62	62	58	55	61	56	64	69	69	69	70	65	64	62	61	48	47	49	64	61	45	56	49	60.7
Robertsburg*	Maximum	94	94	93	89	93	87	80	89	90	87	88	93	89	88	92	85	80	89	93	92	92	82	68	85	85	85	70	72	71	72	70	85.1
	Minimum	69	75	76	70	66	69	73	67	63	68	62	66	72	66	70	72	70	71	69	66	70	65	60	54	52	60	66	60	50	55	49	65.2
Spencer*	Maximum	91	91	90	88	89	92	80	87	88	89	91	92	92	86	93	85	92	92	88	93	91	80	78	78	68	86	73	78	70	73	79	85.4
	Minimum	68	70	73	70	63	67	69	68	67	67	62	63	67	72	67	72	70	68	64	62	69	67	59	50	50	57	62	61	47	51	47	63.5
Sutton	Maximum	94	94	91	91	90	93	93	88	90	90	90	96	96	95	88	87	87	90	90	85	92	92	80	80	85	85	85	72	72	75	75	87.5
	Minimum	67	68	69	67	63	67	62	66	65	64	63	60	61	61	61	67	68	64	62	61	64	70	59	52	51	55	61	61	48	57	47	61.6
White Sulphur Spgs.	Maximum	91	91	92	89	90	92	81	77	81	90	88	92	93	91	89	88	79	84	82	81	89	90	84	79	81	85	80	80	78	78	75	85.2
	Minimum	65	66	65	61	61	65	64	63	60	60	57	62	65	64	64	67	65	65	66	66	67	65	55	48	48	50	60	47	51	46	48	59.9
Williamson*	Maximum	95	96	96	90	91	94	94	89	91	94	91	94	95	93	95	89	88	90	87	89	90	79	80	83	85	87	75	80	77	73	68	87.7
	Minimum	65	71	73	73	71	68	72	68	67	69	63	71	71	69	70	73	70	70	67	67	71	72	66	60	57	59	66	63	53	57	52	66.6

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	*Total*
Clarksburg	Evaporation	.157	.289	.370	.249	.108	.176	266	.109	.105	.209	.185	.146	.199	.172	123	.125	.058	.133	.212	.221	.167	179	135	.199	.200	.188	.128	.069	.200	.089	.131	5.347
	Wind movement	50	77	28	54	23	30	36	18	9	17	30	14	14	28	18	15	10	30	32	44	23	26	30	50	38	23	10	49	43	14	42	925

(WBO. Cleveland, 9-24-35—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., SEPTEMBER, 1935 NO. 9

GENERAL SUMMARY

The past month was unusually cool, being the coolest September since 1928. During the last few days of the month temperature readings were exceptionally low, and ranged from 22 to 43°, the readings on the morning of the 30th were the lowest of September record at a number of stations. Light to heavy frosts were noted in scattered localities on the 24th, and the first general heavy to killing frost on the 30th. The rainfall was somewhat heavy and unfavorably distributed throughout the month and over the State. The greater portion of the month's rainfall occurred during the first six days. During the remainder of the month only light, scattered rains occurred. This was the fifth consecutive wet month. Light to moderately heavy hail was reported from scattered districts on the 20th, 21st, and 22d. Dense fogs prevailed frequently during the month. At the close of the month corn was mostly in shock and husking was somewhat general. A large yield of potatoes was secured and late apples were plentiful. Plowing and fall seeding progressed rapidly, and pastures and meadows were in good condition. Freezing temperatures at the close of the month caused much damage to late corn and gardens.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 65.0°, or 1.5° below the normal. The weather was nearly continuously cool from the 1st to the 14th, and unusually low temperatures prevailed from the 28th to the 30th, with the lowest readings on the morning of the 30th. The temperature was above the normal from the 17th to the 27th, the highest temperature being noted from the 17th to the 19th. The highest monthly mean was 69.6° at Huntington, and the lowest, 58.7° at Bayard. The highest temperature was 94° at Huntington on the 17th, and the lowest, 22° at Alpena on the 30th, making the monthly range for the State 72°. The greatest daily range was 51° at Lost Creek on the 24th.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 3.30 inches, which was 0.36 inch more than the normal. Precipitation occurred frequently during the first decade, and on the 20th, 22d, and 28th, the greatest amounts being measured on the 2d, 3d, and 4th. The precipitation was the heaviest in the eastern and central counties, and lightest in the southern section. The greatest monthly precipitation was 6.25 inches at West Milford, and the least, 1.05 inches at Sharples. The greatest amount in any 24 consecutive hours was 3.25 inches at West Milford on the 3d. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Hail: 20th, 1 (Brownsville); 21st, 1 (Grafton); 22d, 3 (Dam 20, Ohio River, Pickens, and Spencer).

MISCELLANEOUS PHENOMENA (Continued)

Fogs, dense: 1st, 2; 3d, 1; 4th, 1; 5th, 2; 7th, 10; 8th, 11; 9th, 13; 10th, 12; 11th, 18; 12th, 14; 13th, 14; 14th, 9; 15th, 2; 16th, 11; 17th, 5; 18th, 6; 19th, 9; 20th, 5; 21st, 6; 22d, 4; 23d, 10; 24th, 8; 25th, 10; 26th, 5; 27th, 5; 28th, 3; 29th, 1; 30th, 3.

Thunderstorms: 2d, 1; 3d, 4; 4th, 1; 9th, 3; 18th, 1; 19th, 1; 20th, 14; 21st, 8; 22d, 7.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.06	30.28	23	29.75	30	5.5	15	w.	21	81	55	63	76
Columbus, Ohio	30.05	30.27	23	29.73	30	7.1	25	sw.	30	83	51	63	74
Elkins	30.10	30.37	24	29.81	29	4.1	18	w.	9	96	59	85	56
Parkersburg	30.09	30.30	23	29.81	29	4.6	20	nw.	9	88	57	76	63
Pittsburgh, Pa	30.06	30.29	23	29.70	29	8.1	29	ne.	29	86	53	64	73
Wytheville, Va	30.04	30.34	25	29.70	5	4.6	16	nw.	29	88	57	76	59

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	66.8	+0.3	......	......	1.66	−1.28	......	......	......	....	....	....	....
1892	64.4	−2.1	92	32	2.57	−0.37	......	......	......	6	....	....	....
1893	65.0	−1.5	91	29	2.28	−0.66	4.50	1.05	......	6	....	....	....
1894	67.8	+1.3	98	31	2.50	−0.44	4.75	1.25	......	6	12	11	7
1895	70.3	+3.8	107	29	1.70	−1.24	4.25	0.42	......	4	17	8	5
1896	65.2	−1.3	95	22	4.59	+1.65	9.04	1.58	......	7	14	9	7
1897	66.4	−0.1	103	27	1.14	−1.80	4.00	0.02	.....	3	22	6	2
1898	67.6	+1.1	97	33	2.42	−0.52	4.75	0.80	......	6	16	10	4
1899	64.0	−2.5	100	26	3.65	+0.77	6.35	1.65	......	8	14	9	7
1900	71.1	+4.6	100	35	1.92	−1.02	5.50	0.34	......	6	14	10	6
1901	64.8	−1.7	95	27	3.35	+0.47	7.64	1.46	......	8	13	8	9
1902	64.8	−1.7	98	25	2.98	+0.04	4.81	1.23	......	9	12	9	9
1903	64.7	−1.8	97	25	1.30	−1.64	2.78	0.10	......	4	21	6	3
1904	67.0	+0.5	95	25	1.76	−1.18	4.55	0.53	......	6	16	10	4
1905	65.6	−0.9	97	29	2.21	−0.73	4.21	0.54	......	4	18	8	4
1906	69.9	+3.4	97	38	3.25	+0.31	5.44	0.57	......	9	12	10	8
1907	66.3	−0.2	93	30	4.41	+1.47	7.10	2.00	......	11	12	10	8
1908	65.9	−0.6	99	24	0.95	−1.99	2.54	0.26	......	3	21	6	3
1909	63.7	−2.8	95	28	2.74	−0.20	8.75	0.63	......	6	15	9	6
1910	68.4	+1.9	97	32	3.50	+0.56	6.04	0.50	......	10	12	11	7
1911	68.8	+2.3	100	32	4.67	+1.73	8.30	1.80	......	11	12	11	7
1912	68.6	+2.1	98	30	3.85	+0.91	9.18	1.13	.....	8	17	7	6
1913	64.2	−2.3	100	25	2.88	−0.06	6.38	0.86	......	8	14	7	9
1914	63.2	−3.3	97	24	1.58	−1.36	5.65	0.17	......	5	18	6	6
1915	67.6	+1.1	100	31	3.84	+0.90	7.18	2.00	......	9	16	8	6
1916	63.0	−3.5	99	27	3.71	+0.77	7.88	1.01	.....	7	18	6	6
1917	62.4	−4.1	98	28	2.79	−0.15	6.62	1.16	......	7	17	7	6
1918	60.5	−6.0	93	24	2.92	−0.02	4.73	1.37	T.	8	15	7	8
1919	66.0	−0.5	98	31	2.11	−0.83	4.37	0.12	T.	5	18	7	5
1920	66.7	+0.2	96	34	3.14	+0.20	5.38	1.34	......	8	16	7	7
1921	70.9	+4.4	97	39	4.76	+1.82	9.07	1.65	......	12	12	10	8
1922	67.2	+0.7	100	25	2.14	−0.80	5.64	0.10	......	4	21	5	4
1923	66.5	0.0	96	29	3.31	+0.37	5.36	1.00	......	7	16	8	6
1924	60.7	−5.8	100	26	5.96	+3.02	8.97	2.80	......	12	11	7	12
1925	70.9	+4.4	102	34	2.29	−0.65	5.89	0.50	T.	8	14	9	7
1926	68.6	+2.1	98	31	5.35	+2.41	10.57	1.44	......	13	10	8	12
1927	67.0	+0.5	100	24	2.15	−0.79	5.29	0.23	......	5	19	7	4
1928	61.3	−5.2	100	24	2.71	−0.23	6.45	0.81	......	7	14	6	10
1929	66.5	0.0	102	24	2.95	+0.01	6.25	0.57	T.	8	15	7	8
1930	69.3	+2.8	106	29	1.46	−1.48	3.81	0.36	......	7	15	9	6
1931	70.0	+3.5	102	29	3.91	+0.97	6.70	1.45	......	10	16	8	6
1932	66.5	0.0	106	25	1.58	−1.36	4.66	0.10	......	6	18	7	5
1933	70.3	+3.8	98	35	3.71	+0.77	6.81	0.67	......	10	14	9	7
1934	69.0	+2.5	94	33	4.19	+1.25	7.19	1.86	......	9	15	8	7
1935	65.0	−1.5	94	22	3.30	+0.36	6.25	1.05	......	8	18	5	7
Period	66.5	......	107	22	2.94	......	10.57	0.02	T.	8	15	8	

Climatological Data for September, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	58.7	−2.2	82	18†	25	30	45	5.62	+1.92	1.55	0	10	23	2	5	sw.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	63.6	−1.1	87	21	27	30	49	4.50	+2.15	1.75	0	8	22	0	8	n.	Elmer Keister
Circleville	Pendleton	......	3	......	......	......	......	......	......	......	3.91	......	1.61	0	9	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	......	......	......	......	......	......	......	6.05	+3.35	2.75	0	8	......	......	......	......	Sherman Harrison
Kearneysville	Jefferson	548	5	64.3	......	89	27	33	30	39	4.21	......	1.33	0	8	15	10	5	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	^{a}64.8	−2.1	90^{a}	21	35	30	38^{a}	3.45	+0.63	1.20	0	6	24	2	4	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	64.2	−3.6	89	19	26	30	47	4.28	+1.78	1.15	0	11	12	10	8	w.	John W. McNeill
Piedmont	Mineral	1,053	22	63.2	−2.5	81	21	33	30	33	4.56	+2.31	1.58	0	10	17	8	5	se.	C. A. Suter, Jr.
Romney	Hampshire	824	37	65.3	−1.5	87	19†	32	30	40	4.75	+2.03	1.43	0	11	15	9	6	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	......	......	......	......	......	......	......	4.17	+1.39	1.00	0	8	10	6	14	w.	A. C. Becker
Upper Tract^{a}	Pendleton	1,230	36	65.6	+0.3	87	19	33	30	43	4.06	+1.77	1.58	0	6	17	7	5	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	14	^{d}62.3	−1.9	82^{c}	19	30^{d}	30	39^{f}	5.03	+2.44	1.80	0	11	16	4	6	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	......	......	......	......	......	......	......	3.67	+0.36	1.29	0	8	13	10	7	w.	L. Else Bond
Alma (near)	Tyler	800	8	......	......	......	......	......	......	......	3.31	......	1.95	0	7	20	5	5	......	D. N. Furbee
Alpena	Randolph	2,571	5	60.0	......	83	18	22	30	46	3.65	......	1.09	0	11	17	7	6	w.	Christian Hertig
Benson^{n}	Harrison	1,080	11	61.8	−5.1	85	21†	25	30	47	4.83	+1.20	1.65	0	6	8	3	5	......	R. D. Marts
Bens Run	Pleasants	652	33	66.0	−2.4	89	19	36	29†	36	1.24	−1.34	0.80	0	4	21	4	5	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	64.0	−3.6	87	21	30	30	48	3.95	+0.20	1.28	0	9	20	6	4	......	W. B. Worley
Buckhannon	Upshur	1,411	38	63.4	−1.1	82	18†	32	30	34	2.77	−0.36	0.98	0	7	23	2	5	......	H. A. Darnall
Cairo	Ritchie	680	34	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	64.2	−3.3	88	18	31	30	43	4.70	+1.10	1.09	0	7	19	3	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	12	......	......	......	......	......	......	......	3.00	−0.74	0.71	0	8	19	4	7	sw.	George W. Blair
Creston	Wirt	640	33	65.8	−2.0	90	19†	31	30	47	2.23	−0.37	0.79	0	6	17	4	9	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	......	......	......	......	......	......	......	2.27	−1.25	0.46	0	9	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	19	......	......	......	......	......	......	......	3.31	−0.13	1.59	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	......	......	......	......	......	......	......	2.56	−0.63	0.82	0	8	......	......	......	......	Lockmaster
Davis	Tucker	3,093	26	......	......	......	......	......	......	......	4.19	−0.37	1.43	0	8	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	......	......	......	......	......	......	......	2.72	−0.06	0.78	0	7	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	34	62.6	−0.5	84	25	29	30	39	3.05	−0.10	1.03	0	10	8	11	11	n.	U. S. Weather Bureau
Fairmont	Marion	883	29	66.8	−0.6	92	18	33	30	42	2.85	+0.02	0.79	0	6	20	4	6	w.	J. C. Robinson
Glenville	Gilmer	738	41	69.0	+0.5	92	19†	33	30	44	2.96	−0.39	1.08	0	8	20	2	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	64.4	−2.7	88	25	31	30	37	5.53	+2.65	1.82	0	8	19	3	8	......	W. E. Clayton
Hastings	Wetzel	809	....	69.4	......	88	9†	43	30	31	2.55	......	1.05	0	8	22	1	7	w.	L. G. McIntyre
Horner	Lewis	1,044	12	......	......	......	......	......	......	......	3.20	−0.33	1.10	0	6	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	10	......	......	......	......	......	......	......	5.67	+3.03	1.43	0	10	20	3	7	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	65.9	−1.7	87	16†	29	30	45	3.10	−0.14	1.10	0	7	21	2	7	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	65.4	0.0	90	18†	27	30	51	5.04	+2.06	1.90	0	8	19	5	6	w.	Allen Smith
Mannington	Marion	985	32	62.0	−2.9	82	18†	30	30	37	2.48	−0.89	0.87	0	7	18	5	7	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	63.3	−4.2	81	18†	31	30	39	2.70	−0.44	0.86	0	6	19	4	7	sw.	Bruce Davis
New Cumberland	Hancock	671	37	63.1	−2.4	89	18	34	30	41	2.90	−0.01	1.35	0	9	15	8	7	nw.	C. H. Hesse
New Martinsville	Wetzel	634	41	67.2	−1.3	90	18†	34	30	41	2.56	−0.33	1.24	0	4	22	3	5	s.	Wm. Ankrom
Parkersburg	Wood	638	48	65.8	−1.5	90	18	33	30	38	4.48	+1.72	3.00	0	6	15	8	7	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	64.8	+1.1	87	18†	30	29†	41	2.70	−0.45	1.50	0	6	18	5	7	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	......	......	......	......	......	......	......	4.60	+1.45	1.62	0	8	21	4	5	......	Robert T. Deem
Philippi	Barbour	1,550	38	......	......	......	......	......	......	......	4.88	+1.50	1.22	0	8	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	32	^{a}60.4	−1.4	85^{a}	18	25^{a}	30	41^{a}	4.30	+0.14	0.82	0	10	20	6	4	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	....	60.8	......	86	24	24	30	44	3.17	......	0.87	0	6	24	4	2	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	......	......	......	......	......	......	......	3.21	−0.19	1.00	0	9	18	4	8	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	......	......	......	......	......	......	......	4.14	+1.28	1.75	0	7	......	......	......	......	Wm. Hughes
Thomas	Tucker	2,950	6	......	......	......	......	......	......	......	6.14	+2.62	1.51	0	10	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	12	65.2	−2.8	87	18†	31	30	41	3.16	−0.16	0.75	0	9	13	12	5	w.	J. C. Campbell
Vandalia	Lewis	1,120	12	......	......	......	......	......	......	......	2.82	−0.45	0.85	0	8	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	28	64.0	−0.9	90	13	29	30	50	2.32	−0.79	1.13	0	6	22	4	4	......	George P. Pfister
West Milford	Harrison	979	10	......	......	......	......	......	......	......	6.25	+2.98	3.25	0	7	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	67.9	+0.6	91	18	32	30	44	3.52	+0.55	0.70	0	9	8	16	6	......	A. Henry
Wheeling (Dam 12)	Ohio	659	48	63.8	−3.6	88	18	34	30	43	2.57	−0.34	0.93	0	8	19	4	7	sw.	Lockmaster
Woodlands	Marshall	637	8	......	......	......	......	......	......	......	2.39	−0.87	0.63	0	7	19	4	7	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	......	......	......	......	......	......	......	3.86	+1.76	1.60	0	9	17	5	8	w.	H. S. Sutton
Bancroft	Putnam	574	31	69.2	+0.8	93	20	38	30	38	3.15	+0.22	1.35	0	6	17	3	10	w.	Charles N. Long
Beckley	Raleigh	2,440	32	63.0	−0.2	84	17†	25	30	47	2.13	−0.47	0.80	0	9	12	12	6	......	L. A. Mauck
Bluefield^{g}	Mercer	2,558	40	65.2	−1.0	84	23	33	30	47	3.18	+0.61	1.36	0	7	9	11	3	......	Norfolk & Western Ry.
Charleston	Kanawha	600	32	69.3	−1.6	89	19†	40	30	32	2.05	−0.96	0.66	0	8	22	0	8	......	S. E. Damron
Clay	Clay	706	19	......	......	......	......	......	......	......	1.92	−1.23	0.56	0	6	......	......	......	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	8	......	......	......	......	......	......	......	2.15	−0.69	0.80	0	6	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	19	......	......	......	......	......	......	......	4.13	+0.94	1.90	0	8	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	19	......	......	......	......	......	......	......	3.33	+0.49	0.82	0	8	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	8	......	......	......	......	......	......	......	2.66	......	0.84	0	6	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	19	......	......	......	......	......	......	......	2.61	+0.37	0.80	0	7	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	19	66.6	−1.9	85	17†	35	30	38	3.14	+0.10	2.00	0	7	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	68.6	+0.6	92	21	35	30	43	2.48	−0.20	1.39	0	9	26	2	2	......	Mrs. M. L. McClung
Huntington	Cabell	538	38	69.6	+0.6	94	17	39	30	38	2.37	−0.18	1.08	0	5	10	15	5	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	......	......	......	......	......	......	......	1.97	−1.19	0.79	0	7	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	19	......	......	......	......	......	......	......	2.39	−1.32	0.74	0	6	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Rose Argabrite
Logan	Logan	700	32	......	......	......	......	......	......	......	1.17	−1.95	0.49	0	5	......	......	......	......	J. R. Wampler
Madison	Boone	675	14	^{a}66.7	−1.0	89^{a}	19†	32^{a}	30	43^{a}	1.79	−1.64	0.62	0	6	18	4	8	......	W. E. Holy
Marlinton	Pocahontas	2,131	36	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Miss Virginia Crocket
Point Pleasant	Mason	595	42	66.6	+0.7	89	19†	37	30	37	3.42	+1.00	1.12	0	9	19	6	5	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	62.2	......	84	21	26	30	46	2.61	......	0.86	0	10	16	2	12	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	66.8	−2.6	89	19	32	30	39	3.01	+0.47	1.20	0	7	18	3	9	ne.	Lockmaster
Richwood	Nicholas	2,193	5	63.6	......	87	18	30	30	40	2.51	......	1.00	0	12	17	4	9	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	66.7	−1.7	88	25	33	30	38	2.27	−0.18	0.67	0	7	25	0	5	......	M. Frazier
Ryan	Roane	700	32	64.0	−0.6	90	17†	25	30	50	1.76	−1.23	1.01	0	5	20	5	5	......	Wm E. Ryan
Sharples	Logan	889	15	......	......	......	......	......	......	......	1.05	−2.07	0.40	0	4	......	......	......	......	R. W. Howard
Spencer	Roane	789	31	^{a}66.6	+0.1	89^{a}	19	32	30	41^{a}	1.90	−1.06	0.53	0	8	19	6	5	......	A. M. McKown
Summersville	Nicholas	1,894	2	......	......	......	......	......	......	......	2.34	......	0.52	0	9	......	......	......	......	Carl Perry
Sutton	Braxton	850	29	67.8	−0.9	90	18†	36	30	40	2.55	−0.88	0.70	0	7	23	0	7	......	C. B. Eakle
Thornwood	Pocahontas	2,723	1	......	......	......	......	......	......	......	3.62	......	1.67	0	6	......	......	......	......	Eva R. Smith
Union	Monroe	2,250	31	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	C. B. King
Wayne	Wayne	598	8	......	......	......	......	......	......	......	2.88	+0.54	1.17	0	3	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	64.4	−0.5	82	8†	31	30	36	4.20	+1.11	2.50	0	6	26	0	4	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	68.2	−1.5	88	17†	38	30	32	1.33	−1.62	0.42	0	6	15	10	5	ne.	J. E. Dotson
State averages and	extremes	......	....	65.0	−1.5	94	17	22	30	50	3.30	+0.36	3.25	0	8	18	5	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries
Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for September, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖	Potomac		.80	1.10	1.55	.42	.55			.30									T.		.26		.45						.16	.03			5.62
Brandywine	do	.15	.15	.25	1.15	1.75	.15			.10													.80										4.50
Circleville	do	.09	.29	.31	.34	1.61	.54				.19										.39		.15							T.			3.91
Harpers Ferry ‖	do		.20	.73	.99	2.75	.32				.33										.60		T.							.13			6.05
Kearneysville	do		.68	.62	1.33	.85	.14			.03											.51									.05			4.21
Martinsburg ‖	do		.38	.70	.50	1.20	.35														.32		T.							T.			3.45
McNeill	do	T.	.52	.75	1.15	.57	.25			.12	.05								.18		.58		.08						.03				4.28
Piedmont	do		.20	1.45	1.58	.22	.07			.35	.10										.23	.30							.06				4.56
Romney‖	do	.03	.58	.56	1.43	.35	.16			.82	.10										.46		.25						.01				4.75
Stony River Dam	do		.24	1.00	.97	.83	.34				.10										.32	.37											4.17
Upper Tract.	do	T.	.38	.56	1.10	1.58	T.														.19		.25										4.06
Wardensville‖	do		.26	.55	.81	1.80	.50	T.		.03	.08			.01					T.	T.	.62	T.			T.		.30			.07			5.03
Northern Division																																	
Aberdeen	Monongahela		1.29	.83	.64	.20				.23	.12										.25		T.						.11				3.67
Alma (near)	Ohio		.16	1.95	.51					.46											.07		.03						.13				3.31
Alpena	Monongahela	.17	.35	.21	1.09	.76	.08			.41											.33		.08						.14	.03			3.65
Benson	do		.85	1.65	1.23					.75										.25									.10				4.83
Bens Run	Ohio		.05	.25	.80																								.14				1.24
Brownsville	Monongahela		1.28	.42	.68	.22				.28	.10										.50		.37						.10				3.95
Buckhannon	do		.98	.34	.66	.21				.26											.22								.10				2.77
Cairo	Little Kanawha																																
Clarksburg‖	Monongahela		1.01	1.09	1.00	.53					.71										.26									.10			4.70
Crawford‖	do		.71	.42	.64	.29				.15											.42		.29						.08				3.00
Creston‖	Little Kanawha		.10	.25	.31	.79					.70												.08										2.23
Dam 10, Mon. R.‖	Monongahela		.21	.33	.46	.45					.34											.04	.27						.02	.15			2.27
Dam 13, O. R.‖	Ohio		.05	.99	1.17	.42					.29								.08		.15								.08	.08			3.31
Dam 15, Mon. R.‖	Monongahela		.22	.47	.82	.41					.48										.04								.02	.10			2.56
Davis ‖	do		.56	.51	1.43	.70	.11				.28										.11		.49						T.				4.19
Elizabeth(D'm 3 LK)	Little Kanawha		.10	.59	.72	.41					.78										.06									.06			2.72
Elkins***	Monongahela	.02	.41	.47	.98	.50	.05			.17											.33	.05							.07				3.05
Fairmont‖	do	.26	.69	.79	.53					.52										.06													2.85
Glenville ‖	Little Kanawha		.85	.32	.50	.58	T.				.38												.04						.19	.10			2.96
Grafton ‖	Monongahela		1.40	1.82	.81	.18				.65											.07	.50							.10				5.53
Hastings	Ohio		.12	1.05	.88	.08				.12	.18									.01									.11	T.			2.55
Horner	Monongahela		.90	.50	1.10																.25	.20							.25				3.20
Horton	do	.03	.36	.42	.78	1.38	1.43			.01											.28		.88							.10			5.67
anelew (near)	do		1.10	.64	.68	.15				.28	.15																		.10				3.10
Lost Creek	do		1.19	1.90	.87	.12				.62	.03										.28								.03				5.04
Mannington	do		.19	.87	.54					.39	T.					.01					.30								.18				2.48
Morgantown	do		.25	.86	.64	T.				.35	T.											.50							.10				2.70
New Cumberland‖	Ohio		.02	.03	1.35	.43				.38									.30		.15								.23	.01			2.90
New Martinsville	do			1.24	.62					.55																			.15				2.56
Parkersburg* **	do		.13	2.95	1.01					.25											T.	.08							.06				4.48
Parsons	Monongahela		.32	.10	1.50	.43				.25												T.						.10					2.70
Parsons No. 2	do		.79	1.40	1.62	.35	.09			.25											T.								.09	.01			4.60
Philippi	do		1.05	1.22	.66	.66	.05				.47										.60									.17			4.88
Pickens	do	.20	.51	.30	.70	.82	.12			.40											.75		.30						.20				4.30
Reedsville	do		.80	.85	.87					.49												.06							.10				3.17
Roanoke	do		1.00	.30	.77	.15				T.	.15										.14	.65							.03	.02			3.21
Saint Marys‖	Ohio		.03	1.30	1.75	.57					.36																	.10	.03				4.14
Thomas ‖	Monongahela		.58	1.51	1.43	.85	.47				.35										.05		.70						.05	.15			6.14
Valley Chapel	do		.71	.66	.75	.31				.35	.25										.05		.03						.05				3.16
Vandalia	do		.84	.17	.85	.26				.21											.22		.22						.05				2.82
Wellsburg	Ohio		T.	.14	1.13					.32									.42		.03								.28				2.32
West Milford	Monongahela		1.05	3.25	1.00			.10		.48											.22								.15				6.25
Weston	do		.66	.70	.65	.62	.12				.46										.22		.07							.02			3.52
Wheeling(Dam 12)‖	Ohio		.01	.31	.93	.86					.30								.02										.08	.06			2.57
Woodlands‖	do		.04	.58	.63	.52					.44										.13								.05				2.39
Southern Division																																	
Arbovale	Great Kanawha	.02	.43	.13	1.60	1.01	.06	T.		.08											.35		.18						T.				3.86
Bancroft ‖	do			.25	.30	.73					.44											1.35							.08				3.15
Beckley	do		.19	.18	.49	.80	.08	.14		.08	.09											.08							T.				2.13
Bluefield	do			.72	.58	1.36	.35	.02		.06	.09																						3.18
Camden-on-Gauley	Gauley		.20	.35	.33	.84	.22				.29										.04								.03	.05			2.35
Charleston	Great Kanawha		.40	.11	.66	.09				.26	.03											.46							.04				2.05
Clay‖	do		.12	.33	.20	.49	.56				.22																			T.			1.92
Dam 3 G. K. ‖	do			.65	.14	.48	.41															.01								.03			1.72
Dam 6 G. K. ‖	do		.27	.23	.22	.80					.28											.35											2.15
Dam 19 O. R. ‖	Ohio		.02	1.90	1.37	.47				T.	.25										T.		.04						.03	.05			4.13
Dam 20 O. R. ‖	do		.04	.65	.82	.72				T	.78										.14		.14						T.	.04			3.33
Dam 25 O. R. ‖	do		.03	.60	.45	.62					.84																			.12			2.66
Dam 26 O. R. ‖	do			.38	.43	.80					.32										.43	.05	.20										2.61
Gary ‖	Big Sandy				.69	2.00	.21	.10	.02		.11																			.01			3.14
Hinton‖	do		.16	.33	.11	1.39	.20	.05	.14	T.	.06											.04											2.48
Huntington	Ohio		.42	.12	1.08					.73																			.02				2.37
Kanawha Falls‖	Great Kanawha		T.	.79	.11	.38	.52				.13											.02								.02			1.97
Kayford‖	do			.74	.22	.48	.62				.26																			.07			2.39
Kingston	do																																
Lewisburg	do																																
Logan‖	Guyandotte			.29	.21	.49	.11				.07																						1.17
Madison	Great Kanawha		.59	.18	.62	.20				.15																			.05				1.79
Marlinton	do																																
Point Pleasant‖	Ohio		.08	.42	.66	1.12					.68										.08		.28						.04	.06			3.42
Rainelle	Meadow Creek		.53	.16	.86	.81	.10			.05	.03				T.							.02							.03	.02			2.61
Ravenswood(Dam 22	Ohio‖		.15	.44	.32	1.20					.85												.03						T.	.02			3.01
Richwood	Great Kanawha	.02	.03	.29	.47	1.00	.14			.10											.30	.01	.10						.02	.03			2.51
Robertsburg‖	do			.28	.67	.34					.37											.50	.05						T.	.06			2.27
Ryan	do		.14		1.01					.29										.23									.09				1.76
Sharples‖	Coal River				.30					.40												.20						.15					1.05
Spencer ‖	Great Kanawha		.05	.14	.53	.52					.39											.10	.10							.07			1.90
Summersville	do		.10	.38	.29	.52	.33				.25										.12		.27							.08			2.34
Sutton	Gauley		.35	.15	.70	.65				.20													.35						.15				2.55
Thornwood	Great Kanawha		.20	.92	1.67	.12					.10									.61													3.62
Union	Gauley																																
Wayne‖	Big Sandy				1.17	1.14					.57																						2.88
White Sulpr. Spgs.‖	Great Kanawha	.35	.40	.15	2.50	.70				.10																							4.20
Williamson‖	Big Sandy			.23	.14	.42	.42				.11																		T.	.01			1.33

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for September, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	67	62	66	68	68	72	75	78	74	68	75	78	75	80	75	72	77	82	82	77	78	73	72	75	80	76	77	65	55	64	....	72.9
	Minimum	52	47	53	58	57	55	47	41	47	46	32	35	39	38	48	37	40	50	50	53	53	52	40	30	38	38	42	50	43	25	....	44.5
Brandywine	Maximum	65	64	67	72	70	75	80	83	80	84	86	78	81	80	76	75	70	80	85	84	87	75	74	80	80	78	80	76	72	76	....	77.1
	Minimum	48	55	58	60	61	54	56	60	54	49	44	50	49	50	54	46	50	49	50	51	55	50	48	44	47	45	49	50	41	27	....	50.1
Kearneysville	Maximum	64	62	64	72	70	78	74	81	84	75	78	81	83	75	84	67	72	76	82	81	87	81	71	73	78	80	89	74	68	66	....	75.7
	Minimum	56	52	59	61	64	61	57	53	59	54	46	51	53	56	62	49	42	48	58	60	62	62	49	41	45	47	50	50	46	33	....	52.9
Martinsburg*	Maximum	70	61	64	70	67	80	77	82	77	75	80	84	85	77	86	70	75	80	85	85	90	85	73	77	82	83	85	68	67	..	....	77.2
	Minimum	56	56	56	57	61	60	57	53	60	47	46	48	52	56	60	50	45	49	54	60	56	62	53	42	45	47	47	56	50	35	....	52.5
McNeill	Maximum	68	63	66	69	69	81	80	84	84	77	80	86	85	85	84	75	80	88	89	84	87	80	75	78	83	80	86	73	63	73	....	78.5
	Minimum	48	58	58	61	62	60	51	52	54	48	40	50	50	50	51	40	47	58	55	58	55	53	43	37	45	42	48	59	40	26	....	50.0
Piedmont	Maximum	71	68	63	67	67	77	74	78	74	71	75	78	79	79	72	77	76	79	80	78	81	76	71	72	78	79	78	68	63	66	....	73.8
	Minimum	51	57	58	61	62	61	54	54	56	50	45	45	50	54	56	48	47	55	61	60	55	54	49	42	52	52	53	57	49	33	....	52.7
Romney	Maximum	66	61	63	66	66	77	78	82	82	75	81	84	84	83	83	78	79	84	87	83	87	81	76	78	84	84	86	77	63	72	....	77.7
	Minimum	50	53	59	61	63	61	55	56	58	50	46	52	54	53	55	46	48	55	60	60	56	58	47	42	51	48	52	60	46	32	...	52.9
Upper Tract	Maximum	72	68	66	72	71	77	76	78	85	85	82	83	82	83	82	80	70	85	87	84	85	80	74	70	74	82	85	..	78	72	....	78.2
	Minimum	58	60	64	55	64	60	56	54	64	55	52	53	61	60	61	51	52	53	55	55	46	46	48	46	43	43	42	..	49	33	....	53.1
Wardensville	Maximum	69	60	66	69	64	77	..	79	80	73	74	81	81	77	80	78	79	79	82	79	79	72	75	79	80	..	..	70	61	69	....	74.5
	Minimum	..	51	55	59	60	59	53	..	51	65	41	47	48	51	44	47	47	51	55	58	53	45	38	45	44	59	..	..	46	30	....	50.1
Northern Division																																	
Alpena	Maximum	70	62	67	67	67	70	69	80	73	70	69	77	75	80	74	74	82	83	81	77	77	73	74	79	81	77	76	69	54	66	....	73.1
	Minimum	43	53	48	59	57	56	48	58	51	46	40	42	45	44	49	40	38	53	52	52	55	55	40	33	47	42	45	50	43	22	....	46.9
Bens Run	Maximum	64	65	69	67	77	73	82	84	68	62	77	79	79	84	84	77	86	88	89	85	87	83	69	85	88	74	77	64	47	68	....	76.0
	Minimum	54	53	61	66	60	54	55	56	62	54	51	54	54	58	62	54	53	63	64	64	62	61	54	49	56	58	60	55	36	36	....	56.0
Buckhannon	Maximum	71	75	70	71	70	74	74	77	76	68	72	75	74	76	76	71	79	82	82	81	80	79	73	77	80	71	77	75	60	66	....	74.4
	Minimum	51	55	59	63	62	62	55	53	54	54	44	46	51	50	56	46	45	57	60	56	58	58	48	44	49	45	52	55	48	32	...	52.3
Clarksburg*	Maximum	74	64	69	71	71	75	80	82	75	69	78	80	78	82	79	74	86	88	86	81	83	78	74	84	87	78	84	59	60	68	....	76.6
	Minimum	47	54	57	62	62	58	52	53	54	50	46	49	51	52	54	45	47	49	59	59	60	59	49	41	47	47	52	58	48	31	....	51.7
Creston	Maximum	75	72	74	72	76	77	81	75	78	75	79	83	79	84	83	78	85	89	90	87	87	82	78	90	88	80	83	74	69	71	....	79.8
	Minimum	48	54	60	64	60	50	53	55	60	52	45	47	53	50	54	49	48	53	58	58	55	59	49	43	48	47	57	54	42	31	....	51.9
Elkins	Maximum	71	63	70	70	68	71	74	80	76	68	74	76	75	80	76	72	83	84	82	77	81	74	73	80	84	76	77	66	56	66	....	74.1
	Minimum	49	55	59	63	60	56	55	57	56	49	45	49	51	50	52	48	45	56	58	59	59	53	46	41	48	45	50	50	38	29	....	51.0
Fairmont	Maximum	78	67	70	73	75	79	84	87	72	71	82	84	85	87	83	75	89	92	91	83	88	84	80	87	91	83	84	63	64	72	....	80.1
	Minimum	50	58	58	61	63	59	53	54	55	51	47	47	52	53	53	49	49	56	60	61	61	60	51	45	51	54	57	59	49	33	....	53.6
Glenville	Maximum	80	84	73	72	75	79	82	86	87	78	81	84	84	87	87	87	88	91	92	89	92	88	85	89	91	86	87	80	64	74	....	83.4
	Minimum	52	52	61	65	64	58	57	57	57	54	50	52	55	55	57	51	52	55	62	61	58	62	52	45	53	49	55	55	47	33	....	54.5
Grafton	Maximum	73	65	70	70	70	72	79	80	68	67	75	76	76	76	77	70	82	86	84	82	82	80	75	80	88	77	80	73	59	66	....	75.3
	Minimum	50	57	60	64	64	58	53	52	55	54	45	47	53	52	56	47	48	60	61	64	57	61	49	44	51	51	55	59	50	31	....	53.6
Lost Creek	Maximum	80	70	71	71	71	80	80	85	80	74	81	84	81	85	85	80	89	90	89	85	85	81	84	89	90	80	85	71	65	70	....	80.4
	Minimum	45	51	60	61	61	57	50	51	51	50	44	45	50	50	55	43	44	55	58	59	60	56	50	38	46	43	50	53	45	27	....	50.3
Mannington	Maximum	71	65	68	70	72	72	74	76	71	67	71	74	74	77	76	69	79	82	82	77	80	74	71	76	80	75	76	67	59	63	....	72.9
	Minimum	46	54	58	63	60	57	50	50	54	51	46	45	50	51	54	45	45	57	58	59	55	58	45	39	47	50	54	54	48	30	....	51.1
Morgantown	Maximum	79	80	79	71	70	79	80	80	79	69	70	69	70	80	79	80	79	81	80	81	79	80	75	80	81	80	79	72	69	63	....	76.4
	Minimum	64	62	64	64	62	43	62	50	49	41	52	49	50	52	49	48	42	52	54	54	43	42	40	54	42	50	48	52	41	31	....	50.2
New Cumberland*	Maximum	75	73	72	70	76	73	78	83	62	69	79	81	79	81	75	70	73	89	88	79	79	78	72	84	86	76	62	62	56	65	....	75.2
	Minimum	48	48	57	60	56	51	48	50	57	48	44	45	49	53	56	48	48	54	62	60	60	54	45	44	45	50	58	50	48	34	....	51.0
New Martinsville	Maximum	77	71	71	71	80	77	82	85	76	76	81	83	82	85	81	75	88	90	90	85	86	82	77	87	89	80	76	64	61	71	....	79.3
	Minimum	62	66	62	65	59	53	54	54	59	53	49	50	53	55	60	50	51	59	62	63	60	59	50	46	52	55	57	52	47	34	....	55.0
Parkersburg	Maximum	72	66	71	72	75	74	77	81	72	71	77	79	80	82	80	74	86	90	89	85	87	80	74	85	85	78	76	59	60	68	....	76.8
	Minimum	50	57	61	64	60	54	56	52	57	50	48	50	53	55	61	53	52	63	62	64	65	62	53	47	55	60	58	52	40	33	....	54.9
Parsons	Maximum	74	78	72	71	69	76	78	83	77	72	77	80	79	84	80	77	85	87	85	82	84	79	77	84	87	82	80	60	69	69	....	77.9
	Minimum	50	55	60	62	61	59	54	55	56	51	47	51	53	52	55	49	47	58	60	60	58	56	47	43	51	49	51	43	30	30	....	51.8
Pickens	Maximum	68	65	71	68	66	68	69	79	71	67	77	76	78	74	77	73	81	85	83	78	81	71	74	80	..	82	78	65	56	66	....	73.3
	Minimum	40	51	49	59	56	52	53	45	53	43	40	44	46	50	48	43	43	58	56	55	55	49	44	43	..	42	49	52	39	25	....	47.6
Reedsville	Maximum	73	67	65	80	70	70	77	81	78	66	78	79	75	82	76	70	82	84	84	79	80	75	72	86	83	75	77	70	60	64	....	75.3
	Minimum	44	53	54	61	60	55	46	45	48	44	37	39	39	44	51	38	38	55	54	58	53	55	41	34	41	39	48	50	45	24	....	46.4
Wellsburg	Maximum	79	76	74	72	80	77	82	86	67	73	82	88	90	83	80	74	86	82	85	83	88	81	76	88	89	75	68	61	60	69	....	78.6
	Minimum	46	54	59	64	57	45	47	48	57	47	42	42	43	50	58	45	43	61	51	61	56	53	43	38	41	51	55	51	42	29	....	49.3
Weston	Maximum	78	72	72	75	78	80	85	88	82	79	84	86	84	87	85	84	89	91	90	89	87	85	80	86	89	88	87	86	61	68	....	82.6
	Minimum	59	55	60	64	65	59	54	55	55	51	48	46	52	51	56	46	49	59	60	61	59	58	49	42	49	46	53	55	50	32	....	53.3
Wheeling (Dam 12)	Maximum	73	72	73	73	76	66	77	81	64	76	77	80	79	79	79	72	83	88	86	81	85	80	75	84	87	75	71	61	60	67	....	76.3
	Minimum	49	51	60	61	57	51	51	53	51	50	47	48	51	54	54	51	51	52	62	64	56	54	46	44	41	50	53	51	37	34	....	51.2
Southern Division																																	
Beckley	Maximum	74	69	77	72	66	71	68	79	78	72	74	78	77	82	78	73	84	84	82	81	83	78	78	84	84	81	84	71	64	72	....	76.6
	Minimum	48	56	56	62	57	54	49	55	49	51	40	44	47	44	48	53	47	54	54	52	55	55	42	48	50	45	49	53	39	25	....	49.4
Bluefield	Maximum	..	..	78	75	68	73	71	..	80	70	72	76	75	78	..	80	80	82	82	80	82	..	84	80	81	77	75	..	..	80	....	77.4
	Minimum	..	..	45	65	62	56	58	..	55	54	46	50	51	49	..	53	56	54	56	56	57	..	48	53	51	54	55	..	..	33	....	52.9
Charleston	Maximum	76	74	73	74	73	75	79	80	80	76	76	81	82	84	85	81	88	87	89	87	89	85	81	85	86	82	84	78	67	70	....	80.2
	Minimum	54	58	60	67	65	57	58	61	61	58	54	57	58	59	60	60	56	62	64	63	63	64	56	54	59	56	59	57	52	40	....	58.4
Gary*	Maximum	77	81	80	79	69	74	70	81	81	75	78	78	77	81	80	81	85	85	83	82	85	81	73	83	84	81	82	74	67	73	....	78.7
	Minimum	51	60	60	61	62	61	61	62	60	57	51	53	54	54	53	59	54	56	59	57	56	54	50	50	52	46	48	51	47	35	....	54.5
Hinton*	Maximum	83	75	80	80	72	77	66	87	84	82	75	87	86	86	86	86	87	87	71	87	92	86	84	88	89	84	87	77	70	78	....	82.0
	Minimum	44	58	61	62	65	62	59	60	63	57	52	52	56	55	55	57	50	54	58	59	61	58	55	57	52	49	51	55	45	35	....	55.2
Huntington	Maximum	77	69	74	71	80	80	81	80	76	77	82	81	84	86	90	83	94	89	92	91	91	86	83	86	92	84	85	75	70	75	....	82.1
	Minimum	51	61	63	67	61	56	56	58	61	54	52	54	55	57	59	59	56	63	61	61	61	64	55	50	57	57	59	58	49	39	....	57.2
Madison	Maximum	..	76	75	71	72	76	77	82	81	76	72	82	82	82	85	83	88	86	89	88	89	83	81	86	86	84	85	63	68	75	....	80.1
	Minimum	..	57	57	57	53	56	51	62	50	50	51	55	56	57	61	54	52	60	58	59	59	53	50	53	50	54	58	45	36	32	....	53.3
Point Pleasant	Maximum	73	72	71	71	76	75	78	80	78	74	76	78	81	82	85	82	86	87	89	87	89	87	81	82	86	84	75	73	63	72	....	79.1
	Minimum	50	58	61	65	58	53	53	53	58	52	49	51	53	53	58	53	51	58	60	59	58	61	52	45	53	56	58	53	47	37	....	54.2
Rainelle	Maximum	74	66	72	70	68	71	64	80	78	72	71	79	77	80	79	78	78	82	83	81	84	77	77	80	82	76	79	71	64	72	....	75.5
	Minimum	44	58	57	63	60	55	51	55	59	51	42	47	48	45	46	50	41	56	54	52	51	49	43	40	45	40	45	53	41	26	....	48.9
Ravenswood	Maximum	74	74	73	73	76	78	79	81	83	77	78	84	81	82	84	84	87	87	89	88	87	82	80	84	87	83	78	75	65	70	....	80.1
	Minimum	48	57	61	66	57	53	57	56	56	51	46	47	52	52	57	58	49	59	58	59	59	58	53	45	52	57	56	54	44	32	....	53.6
Richwood	Maximum	73	72	70	72	70	74	72	80	78	75	71	81	77	80	79	79	82	87	82	80	82	80	77	84	84	79	79	73	57	70	....	76.6
	Minimum	52	53	54	65	60	56	52	52	56	53	41	46	48	46	49	50	46	53	55	57	53	56	46	46	49	47	52	49	47	30	....	50.6
Robertsburg*	Maximum	74	75	73	71	74	75	84	83	74	79	75	85	81	82	86	80	83	85	87	86	86	83	79	86	88	81	75	61	60	67	....	78.6
	Minimum	51	53	61	65	60	61	57	55	60	52	49	49	53	54	57	57	51	57	60	60	58	62	54	48	51	55	57	56	47	33	....	54.8
Spencer*	Maximum	75	65	73	71	75	76	80	82	75	83	78	82	80	84	85	86	87	88	89	88	87	80	87	86	87	84	84	61	64	..	....	80.1
	Minimum	52	50	59	68	62	54	55	57	57	52	48	49	53	51	53	51	51	49	61	60	60	58	50	45	50	52	55	50	47	32	....	53.0
Sutton	Maximum	80	80	72	72	70	73	78	83	83	74	76	82	82	82	83	83	87	90	90	88	88	88	79	86	87	87	89	89	63	71	....	81.2
	Minimum	50	56	60	64	63	59	56	56	56	54	48	50	53	52	54	58	49	56	60	61	62	60	51	46	52	47	54	56	49	36	....	54.3
White Sulphur Spgs.	Maximum	76	76	77	76	76	78	78	82	81	76	75	80	78	79	80	79	75	79	81	81	82	79	77	77	78	80	77	76	68	67	....	77.5
	Minimum	55	55	60	58	62	56	58	60	54	47	52	52	48	50	54	48	50	56	55	54	52	55	45	47	44	47	52	45	33	31	....	51.2
Williamson*	Maximum	75	73	75	71	68	75	74	83	78	71	71	74	80	82	85	84	88	86	87	86	88	82	82	85	82	83	83	70	70	70	. .	78.7
	Minimum	53	57	62	65	65	58	59	62	65	56	54	56	54	60	60	61	58	62	64	62	62	60	55	54	55	52	56	61	48	38	....	57.8

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	*Total*
Clarksburg	Evaporation	.099	.157	.142	.037	.028	.099	.113	.142	.111	.080	.089	.133	.099	.114	.122	.166	.103	.059	.103	.095	.204	.126	.177	.134	.088	.102	.098	.089	.051	.111	....	3.271
	Wind movement	12	31	15	9	11	26	28	18	14	32	26	13	14	28	5	50	19	21	8	19	43	42	26	26	10	18	18	28	30	79	....	719

(WBO. Cleveland, 10-25-35—900)

1935

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIII Parkersburg, W. Va., October, 1935 No. 10

GENERAL SUMMARY

October was a very pleasant month throughout West Virginia. The temperature and rainfall averaged slightly above the normal. The first decade was cold with the lowest temperatures for the month occurring at most stations on the 6th or 7th. The remainder of the month, except for a few days, was unusually warm, the highest temperatures being recorded generally on the 13th and 14th. The precipitation was favorably distributed throughout the month and over the State. The greatest monthly amounts were received over the central and mountain districts, and the least in scattered localities of the southern and northern Ohio River counties. The first snow of the season occurred at most stations on the 6th, the amounts ranging from a trace to 6.5 inches. Dense fog occurred frequently. Light hail was reported from scattered localities on the 11th. The weather during most of the month was favorable for outdoor work, and plowing and seeding progressed rapidly. Corn husking made good progress, and potato digging and threshing were completed. Pastures were in fair to good condition. The freezing temperatures during the first week caused very little damage, as all crops had matured.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 54.7°, or 0.1° above the normal. Temperatures were continuously below the normal from the 1st to the 10th, and from the 24th to the 26th, with the lowest readings on the 6th and 7th. The temperature averaged much above the normal during the second decade, and from the 27th to the close of the month, with the highest temperatures occurring generally on the 13th and 14th. The highest monthly mean was 59.3° at Huntington and the lowest, 49.7° at Alpena. The highest temperature was 90° at Ryan on the 14th, and the lowest, 15° at Alpena on the 7th, making the monthly range for the State 75°. The greatest daily range was 56° at Cairo on the 15th.

PRECIPITATION

The average precipitation for the State, determined from 87 stations, was 3.01 inches, which was 0.23 inch above the normal. The greater portion of the rainfall was received on the 1st-2d, 6th, 11-12th, 22-23d, and 29th, the greatest amounts being recorded on the 12th, 22-23d, and 29th. The greatest monthly precipitation was 4.75 inches at Pickens, and the least, 1.25 inches at White Sulphur Springs. The average snowfall for the State, 0.2 inch, was 0.1 inch below the normal. The greatest monthly snowfall was 6.5 inches at Davis. The greatest amount of precipitation in any 24-consecutive hours was 1.80 inches at Hinton on the 28-29th. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Hail, light: 11th, 2 (Glenville and Reedsville).

Halo, lunar: 12th, 1 (Crawford).

MISCELLANEOUS PHENOMENA (Continued)

Fogs, dense: 1st, 2; 2d, 16; 3d, 3; 4th, 7; 5th, 13; 6th, 4; 7th, 12; 8th, 3; 9th, 13; 10th, 12; 11th, 1; 12th, 6; 13th, 19; 14th, 14; 15th, 4; 16th, 4; 17th, 5; 18th, 2; 19th, 5; 20th, 3; 21st, 2; 24th, 3; 25th, 14; 26th, 9; 27th, 2; 28th, 2; 30th, 5; 31st, 17.

Thunderstorms: 1st, 3; 11th, 7; 12th, 10; 15th, 3; 18th, 1; 20th, 5; 21st, 2; 22d, 5; 23d, 4.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.20	30.59	25	29.65	3	5.9	22	sw.	3	86	53	61	57
Columbus, Ohio	30.19	30.56	25	29.59	3	7.8	36	sw.	3	82	53	62	57
Elkins	30.26	30.62	25	29.66	3	4.4	27	e.	29	93	52	74	53
Parkersburg	30.24	30.60	25	29.66	3	4.7	18	sw.	3	86	54	71	49
Pittsburgh, Pa	30.20	30.56	25	29.50	3	8.9	34	sw.	3	80	51	58	74
Wytheville, Va	30.21	30.52	17	29.69	1	5.2	22	w.	1	79	42	60	70

COMPARATIVE DATA FOR OCTOBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	51.5	−3.1	95	21	1.97	−0.81	2.91	T.	......	7	....	....	....
1892	52.6	−2.0	89	24	0.83	−1.95	1.45	0.21	......	4	....	....	....
1893	54.1	−0.5	86	16	4.74	+1.96	7.22	1.00	.....	5	21	6	4
1894	54.4	−0.2	88	22	2.32	−0.46	3.85	1.17	T.	7	16	8	7
1895	**48.1**	−6.5	89	**8**	1.29	−1.49	2.25	0.16	T.	5	22	5	4
1896	51.0	−3.6	82	20	2.08	−0.70	4.37	0.45	T.	7	14	9	8
1897	58 2	+3 6	95	22	0.53	−2.25	2.27	0.07	0.0	3	18	7	6
1898	55.6	+1.0	95	19	4.84	+2.06	8.50	2.48	T.	11	11	10	10
1899	56.8	+2.2	91	19	1.42	−1.36	3.81	0.23	0.0	5	15	7	9
1900	60.9	+6.3	97	24	2.33	−0.45	4.80	1.15	0.0	5	16	8	7
1901	54.3	−0.3	86	19	0.54	−2.24	1.95	0.12	0.0	3	19	6	6
1902	56.5	+1.9	87	17	2.63	−0.15	5.50	0.90	T.	6	16	8	7
1903	54.2	−0.4	96	15	2.55	−0.23	4.75	0.80	T.	6	17	7	7
1904	54.5	−0.1	92	16	1.59	−1.19	3.02	0.37	T.	5	18	8	5
1905	54.2	−0.4	95	19	4.71	+1.93	8.26	2.46	T.	6	13	8	10
1906	54.5	−0.1	86	12	3.09	+0.31	8.15	1.64	1.3	12	11	6	14
1907	50.3	−4.3	87	19	2.65	−0.13	5.12	0.54	0.1	7	15	9	7
1908	55.1	+0.5	91	16	1.60	−1.18	6.88	0.33	T.	5	18	7	6
1909	50.0	−4.6	88	14	2.79	+0.01	5.27	0.60	0.1	7	16	7	8
1910	58.1	+3.5	95	15	1.85	−0.93	2.96	0.80	0.7	6	18	7	6
1911	56.3	+1.7	88	23	5.28	+2.50	9.65	3.27	0.0	11	12	7	12
1912	55.5	+0.9	93	20	1.34	−1.44	3.10	0.20	T.	4	18	7	6
1913	54.5	−0.1	92	12	4.50	+1.72	8.11	1.78	0.3	11	12	6	13
1914	57.3	+2.7	91	14	2.94	+0.16	6.72	1.37	T.	9	12	8	11
1915	56.6	+2.0	89	20	4.11	+1.33	5.55	0.74	T.	6	17	7	7
1916	54.1	−0.5	97	16	2.38	−0.40	4.35	0.91	T.	7	19	5	7
1917	49.2	−5.4	89	16	4.35	+1.57	6.49	1.18	5.5	10	15	6	10
1918	58.2	+3.6	89	24	3.68	+0.90	7.53	1.59	T.	8	15	7	9
1919	**62.3**	+7.7	**102**	28	5.84	+3.06	11.88	2.13	0.0	14	9	7	15
1920	57.5	+2.9	90	21	1.15	−1.63	2.53	0.10	0 1	4	22	4	5
1921	53.7	−0.9	88	21	2.48	−0.30	5.76	0.30	0.1	8	18	5	8
1922	55.4	+0.8	93	18	2.45	−0.33	4.81	0.39	T.	6	19	5	7
1923	52.1	−2.5	93	12	1.39	−1.39	2.41	0.65	T.	6	19	5	7
1924	54.6	0.0	87	14	**0.40**	−2.38	1.28	**0.00**	T.	2	23	4	4
1925	49.3	−5.3	86	14	**7.30**	+4.52	**13.08**	2.19	4.3	16	5	7	19
1926	54.9	+0.3	92	20	4.79	+2.01	8.74	1.04	0.3	12	10	8	13
1927	57.0	+2.4	100	21	4.13	+1.35	11.10	1.14	0.4	8	19	4	8
1928	56.7	+2.1	94	12	1.98	−0.80	3.26	0.58	0.1	7	14	7	10
1929	52.6	−2.0	89	21	6.17	+3.39	10.93	3.92	0.1	11	13	6	12
1930	50.5	−4.1	94	8	0.96	−1.82	1.89	0.08	0.2	6	17	6	8
1931	57.0	+2.4	98	18	1.66	−1.12	3.03	0.58	T.	8	16	6	9
1932	54.9	+0.3	90	22	3.91	+1.13	7.21	2.12	0.1	9	12	7	12
1933	53.6	−1.0	91	13	1.67	−1.11	4.31	0.40	T.	6	16	9	6
1934	54.4	−0.2	86	14	1.01	−1.77	3.34	0.10	0.1	4	20	6	5
1935	54.7	+0.1	90	15	3.01	+0.23	4.75	1.25	0.2	9	16	8	7
Period	54.6	......	102	8	2.78	....	13.08	0.00	0.3	7	16	7	8

Climatological Data for October, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	50.0	+0.8	78	11†	16	6	55	2.61	−1.13	0.60	1.0	7	20	8	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	53.0	−0.3	83	22	20	7	49	2.00	−0.34	0.85	0	6	24	0	7	n.	Elmer Keister
Circleville	Pendleton	......	3	......	......	......	......	......	......	...	2.46	......	0.80	0.3	7	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	......	......	......	......	......	......	...	3.33	+0.23	1.38	0	6	......	......	......	......	Sherman Harrison
Kearneysville	Jefferson	548	5	56.1	......	84	22	28	9†	41	2.54	......	1.76	0	4	15	13	3	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	[a]56.6	+1.9	83[a]	22	30	5	46[a]	2.29	−0.63	1.05	T.	7	26	4	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	54.0	−2.1	86	14	20	7	53	2.25	−0.04	1.03	0	6	11	9	11	w.	John W. McNeill
Piedmont	Mineral	1,053	22	53.6	+0.2	80	14†	25	7	39	2.26	−0.56	0.87	0	6	19	5	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	56.0	+1.1	86	14	24	7	48	2.15	−0.45	1.00	T.	7	11	11	9	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	......	......	......	......	......	......	...	4.16	+0.96	1.00	0.4	11	9	9	13	w.	A. C. Becker
Upper Tract[a]	Pendleton	1,230	36	55.9	+1.6	86	14	24	7	43	1.91	−0.31	0.76	T.	4	17	7	6	......	Mrs. J. M. Mallow
Wardensville[c]	Hardy	1,200	14	52.6	0.0	83	14	23	7	51	2.13	−1.03	1.14	0	8	17	6	5	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	......	......	......	......	......	......	...	3.47	−0.07	0.75	T	9	17	7	7	w.	L. Else Bond
Alma (near)	Tyler	800	8	......	......	......	......	......	......	...	2.89	......	0.80	0	11	15	9	7	......	D. N. Furbee
Alpena	Randolph	2,571	5	49.7	......	80	14	15	7	49	3.88	......	0.79	3.2	10	19	9	3	......	Christian Hertig
Benson	Harrison	1,080	11	52.4	−0.5	82	13†	19	7	46	3.56	0.00	1.23	0	7	14	10	7	......	R. D. Marts
Bens Run	Pleasants	652	33	54.8	−1.8	83	14	31	7	36	3.31	+0.30	1.22	0	8	16	7	8	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	53.6	−1.0	82	13†	24	7	47	3.19	−0.23	0.88	0	9	11	17	3	......	W. B. Worley
Buckhannon	Upshur	1,411	38	53.0	−0.8	78	21	24	7	42	3.54	+0.22	0.90	T.	8	17	10	4	......	H. A. Darnall
Cairo[n]	Ritchie	680	34	57.0	+1.2	84	15	26	16	56	......	......	......	......	...	10	3	4	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	53.0	−0.4	81	13†	25	7	44	3.24	+0.11	0.95	0	12	14	11	6	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	12	......	......	......	......	......	......	...	3.86	+0.37	0.91	T.	10	16	11	4	w.	George W. Blair
Creston	Wirt	640	33	55.6	−1.1	88	11	24	7	48	4.41	+1.25	1.11	0	11	13	5	13	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	......	......	......	......	......	......	...	2.08	−1.09	0.56	0	10	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	19	......	......	......	......	......	......	...	2.60	−0.30	0.84	0	9	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	......	......	......	......	......	......	...	2.74	−0.50	0.92	0	11	......	......	......	......	Lockmaster
Davis	Tucker	3,093	26	......	......	......	......	......	......	...	4.55	+0.53	1.20	6.5	9	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	23	......	......	......	......	......	......	...	4.22	+0.84	1.40	0	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	34	51.7	−0.6	79	13	25	7	43	3.94	+1.03	0.90	1.5	13	10	11	10	nw.	U. S. Weather Bureau
Fairmont	Marion	883	29	56.6	+1.5	88	14	26	7	47	2.58	−0.33	1.26	T	10	17	6	8	s.	J. C. Robinson
Glenville	Gilmer	738	41	57.4	+1.2	87	14	27	7	49	4.01	+0.87	0.91	T.	11	9	10	12	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	55.2	0.0	84	14	24	7	45	3.41	+0.24	0.75	0	9	14	1	16	......	W. E. Clayton
Hastings	Wetzel	809	....	......	......	81	14	32	9	40	3.07	......	0.79	0	9	12	10	9	w.	L. G. McIntyre
Horner	Lewis	1,044	12	......	......	......	......	......	......	...	3.01	......	0.60	0	7	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	10	......	......	......	......	......	......	...	3.02	+0.38	1.28	2.3	7	19	4	8	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	54.6	−0.5	84	13	22	7	46	3.74	+0.42	0.85	T.	8	20	4	7	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	55.6	−1.4	89	13†	21	7	55	3.57	+0.69	1.25	0	9	18	6	7	w.	Allen Smith
Mannington	Marion	985	32	52.4	−1.2	79	14	23	7	41	2.39	−0.63	0.60	0	11	13	10	8	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	49.8	−5.4	75	15	24	7	33	2.21	−0.90	0.70	T.	6	21	5	5	sw.	Bruce Davis
New Cumberland	Hancock	671	37	52.3	−1.7	83	14	28	7	47	2.84	+0.12	1.17	0	12	11	10	10	nw.	C. O. Valentine
New Martinsville	Wetzel	634	41	56.4	−0.4	85	13	30	7	42	1.84	−1.11	0.60	0	6	13	7	11	s.	Wm. Ankrom
Parkersburg	Wood	638	48	55.7	−0.4	83	14	29	7	39	2.75	+0.27	1.13	T.	10	13	7	11	se.	U. S. Weather Bureau
Parsons††	Tucker	1,649	35	54.4	+2.9	84	14	25	5	47	2.90	−0.37	0.75	1.0	9	14	6	11	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	......	......	......	......	......	......	...	4.02	+0.75	1.03	1.0	8	17	11	3	......	Robert T. Deem
Philippi	Barbour	1,550	38	......	......	......	......	......	......	...	3.30	+0.24	0.91	0	12	......	......	......	......	H. F. Brittinham
Pickens[a]	Randolph	2,697	32	51.6	−0.1	80	14	19	7†	44	4.75	+0.51	0.95	2.0	11	19	5	6	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	....	50.9	......	83	12†	17	7	49	2.84	......	0.61	......	9	27	4	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	......	......	......	......	......	......	...	3.94	+0.52	0.89	0	9	17	7	7	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	......	......	......	......	......	......	...	2.45	−0.69	1.03	0	9	......	......	......	......	Wm. Hughes
Terra Alta[g]	Preston	2,559	34	53.8	......	76	14	24	25	47	......	......	......	......	...	13	0	8	w.	E. R. Wagner
Thomas	Tucker	2,950	6	......	......	......	......	......	......	...	3.23	......	0.71	3.0	10	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	12	55.2	−0.2	82	14†	24	7	45	3.38	−0.03	0.95	0	10	14	13	4	ne.	J. C. Campbell
Vandalia	Lewis	1,120	12	......	......	......	......	......	......	...	3.74	+0.77	1.01	0	6	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	28	52.6	−0.9	85	14	24	7	47	2.59	−0.28	0.97	0	7	20	5	6	......	George P. Pfister
West Milford	Harrison	979	10	......	......	......	......	......	......	...	3.81	−0.41	1.25	0	10	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	56.6	+1.1	86	14	25	7	48	3.06	+0.04	0.64	0	11	4	24	3	......	A. Henry
Wheeling (Dam 12)	Ohio	659	48	52.9	−2.0	84	14	29	7	44	2.10	−0.50	0.67	0	11	14	6	11	sw.	Lockmaster
Woodlands	Marshall	637	8	......	......	......	......	......	......	...	2.52	......	0.83	0	7	14	9	8	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	......	......	......	......	......	......	...	1.30	......	0.65	T.	7	21	7	3	sw.	H. S. Sutton
Bancroft	Putnam	574	31	58.6	+2.0	87	14	32	7	42	3.15	+0.13	0.70	0	10	16	1	14	w.	Charles N. Long
Beckley	Raleigh	2,440	32	54.4	+0.5	82	13	17	7	41	2.93	−0.01	1.47	T.	8	14	13	4	......	L. A. Mauck
Bluefield[d]	Mercer	2,558	40	56.7	+2.0	82	14	21	8	41	2.41	−0.51	1.70	0	6	12	9	6	......	Norfolk & Western Ry.
Charleston	Kanawha	600	32	59.0	+0.1	82	13†	33	7	36	2.78	−0.13	0.89	0	8	15	6	10	......	S. E. Damron
Clay	Clay	706	19	......	......	......	......	......	......	...	3.11	+0.18	0.90	0	10	......	......	......	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	8	......	......	......	......	......	......	...	2.77	−0.36	0.85	0	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	19	......	......	......	......	......	......	...	2.93	−0.25	1.24	0	10	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	19	......	......	......	......	......	......	...	3.65	+0.39	1.46	0	10	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	8	......	......	......	......	......	......	...	3.37	......	1.25	0	9	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	19	......	......	......	......	......	......	...	3.03	+0.37	0.86	0	11	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	19	55.0	−0.6	85	13	25	7	45	2.29	−0.88	1.72	0	11	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	57.8	+0.8	87	14†	30	7	45	2.44	−0.20	1.80	0	6	24	5	2	......	Mrs. M. L. McClung
Huntington	Cabell	538	38	59.3	+2.9	89	13	32	7	40	3.26	+0.67	0.83	0	10	8	16	7	w.	H. N. Robinson
Kanawha Falls	Fayette	618	16	......	......	......	......	......	......	...	3.38	+0.08	1.24	0	10	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	19	......	......	......	......	......	......	...	4.00	+0.23	1.47	0	9	......	......	......	......	Cabin Creek. Con Coal Co
Kingston ††	Fayette	1,481	5	......	......	......	......	......	......	...	2.80	......	......	0	...	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	......	......	......	......	......	......	...	......	......	......	......	...	......	......	......	......	Rose Argabrite
Logan	Logan	700	32	......	......	......	......	......	......	...	2.48	−0.38	1.18	0	8	......	......	......	......	J. R. Wampler
Madison	Boone	675	14	56.6	+1.0	86	13	27	6	41	2.89	+0.26	0.96	0	8	15	14	2	......	W. E. Holy
Marlinton	Pocahontas	2,131	36	......	......	......	......	......	......	...	......	......	......	......	...	......	......	......	......	Miss Virginia Crocket
Point Pleasant	Mason	595	42	57.0	−0.2	86	13	30	7	42	3.40	+0.69	1.06	0	12	17	6	8	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	51.7	......	81	13	18	7	45	2.54	......	1.52	T.	9	12	6	13	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	57.8	+1.5	85	14	27	7	45	4.16	+1.06	1.49	0	11	14	6	11	sw.	Lockmaster
Richwood	Nicholas	2,193	5	53.0	......	82	13	24	7	44	2.52	......	1.44	T.	11	16	13	2	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	56.4	−0.2	86	17	29	7	42	3.82	+1.08	1.06	0	12	19	0	12	......	M. Frazier
Ryan	Roane	700	32	54.4	+1.7	90	14	17	7	52	2.52	−0.82	0.72	0	9	16	9	6	......	Wm E. Ryan
Sharples	Logan	889	15	......	......	......	......	......	......	...	2.74	−0.06	1.62	0	2	......	......	......	......	R. W. Howard
Spencer	Roane	789	31	56.0	+1.1	86	14	24	7	45	4.00	+0.85	0.88	0	10	15	7	9	......	A. M. McKown
Summersville	Nicholas	1,894	2	......	......	......	......	......	......	...	2.99	......	1.20	0	9	......	......	......	......	Carl Perry
Sutton	Braxton	850	29	56.4	−0.3	85	13†	27	7	44	3.30	+0.10	0.90	0	7	24	0	7	......	C. B. Eakle
Thornwood	Pocahontas	2,723	1	......	......	......	......	......	......	...	2.10	......	0.65	T.	5	......	......	......	......	Eva R. Smith
Wayne	Wayne	598	8	......	......	......	......	......	......	...	2.54	......	0.87	0	11	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	54.0	+1.6	80	14†	23	23	43	1.25	−1.59	0.50	0	4	30	0	1	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	57.7	−0.1	84	13	30	7	40	2.17	−0.65	1.25	0	8	13	13	5	se.	J. E. Dotson
State averages and	extremes	......	....	54.7	+0.1	90	14	15	7	56	3.01	+0.23	1.80	0.2	9	16	8	7	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for October, 1935

Stations	Drainage-basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
ayard‖‖	Potomac	.23					.47			T.	.36						.15			.39	.41									.60			2.61
randywine	....do	.15					.40						.45								T.		.10	.05						.85			2.00
rcleville	....do		T.				.17						.39							T.	T.	.17	.60	.12	.21					.80			2.46
arpers Ferry ‖‖	....do						.61						.16										.24		.03					.91	1.38		3.33
earneysville	....do	.27					.33																.18	T.						1.76			2.54
artinsburg ‖‖	....do		.05				.20	T.					.22										.20		.02					1.05	.55		2.29
cNeill	....do		.07			T.	.48						.22	T.					T.			T.	.32	.13						1.03			2.25
edmont	....do	.07					.44	T.					.68						T.				.12	.08						.87			2.26
omuey‖‖	....do	.05					.55						.25									.16	.09	.05						1.00			2.15
ony River Dam	....do		.30				.04						1.00	.96						.06		.10	.47	.02	.35					.76	.10		4.16
pper Tract	....do	T.						.59					.31										.25	T.						.76			1.91
ardensville‖‖	....do		.15				.39	T.	T.				.13		.04									.24		.03				1.14	.01		2.13
Northern Division																																	
berdeen	Monongahela	.33				T.	.35					T.	.51			.19			T.	.03		T.	.75	.74	.08					.49			3.47
lma (near)	Ohio	.58		.08		.01						.01	.16						.10	.02		.04	.80	.56						.53			2.89
lpena	Monongahela	.23					.30					.15	.79						.11	.06	.31		.68	.56						.69			3.88
enson	....do	.50											.58						.12				1.23	.50						.58	.05		3.56
ens Run	Ohio	.81				T.						.11	.05						.10			.15	1.22	.31						.56			3.31
rownsville	Monongahela			.40									.88			.10					.02		.70	.34	.06					.57	.12		3.19
ıckhannon	....do	.32				T.	.36				T.	T.	.74			.08			.04		T.		.60	.90						.50			3.54
arksburg‖‖	Monongahela		.33	.02			.20						.77			.04				.08	.12		.95	.26	.14					.30	.03		3.24
rawford‖‖	....do	.30				T.	.30						.84			.03			.05		.04	.06	.91	.65						.68			3.86
reston‖‖	Little Kanawha		.42	.07			.15						1.11							.10		.12	1.10	.32	.25					.62	.15		4.41
am 10, Mon. R.‖‖	Monongahela		.41				.09	T.				T.	.56			.03				.06			.33	.21	.20					.16	.03		2.08
am 13, O. R.‖‖	Ohio	.04	.80										.56			.19			T.	.12			.16	.25						.30	.18		2.60
am 15, Mon. R.‖‖	Monongahela		.30				.14	.02					.33			.09				.06			.64	.64	.28					.18	.06		2.74
avis ‖‖	....do						.56	.16					.93							.18	.64		1.20	.05	.30					.53			4.55
izabeth (D'm 3 LK)	Little Kanawha		.42	.08									.78				.02			.13			1.40	.61	.08					.54	.16		4.22
kins***	Monongahela	.29		T.		.56	.01				T.	.68	.20			.01			.05		.06	.30	.32	.56					.40	.50			3.94
airmont‖‖	....do	.31				.13	T.					.42			.04				.12			.53	.73	.06					.19	.05			2.58
lenville ‖‖	Little Kanawha		.35	.06			.28	.03					.74							.09			.91	.24	.57					.63	.11		4.01
rafton ‖‖	Monongahela	.34				.28	T.					.20	.72			.06			.12				.75	.60						.34			3.41
astings	Ohio	.79		.05								T.	.18			.24			.06				.70	.56	.02					.47	T.		3.07
orner	Monongahela	.55					.30						.45			.25							.38	.60	.48								3.01
orton	....do	.20					.20					1.28								.09			.52	.15						.58			3.02
nelew (near)	....do	.30				.36							.60			.20							.85	.85						.48	.10		3.74
ost Creek	....do	.37		T.		T.	.31					T.	.35			.06			.05		.03		1.25	.67	T.					.48			3.57
annington	....do	.60		.02			.04					T.	.18			.25			.04	.01			.60	.36	.04					.25	T.		2.39
organtown	....do	.50				.05	T.					.18	T.		T.			.70			T.			.63	T.					.15			2.21
ew Cumberland‖‖	Ohio	.98		T.	T.			.01				.02			1.12	.05			.14	.06			.05	.03	.07					.11	.20		2.84
ew Martinsville	....do	.54										.12	.08										.60	.20						.30			1.84
arkersburg***	....do	.64	.04			T.	T.				T.	.04			T.	T.			.03		.01	.52	.90	.03					.42	.12			2.75
arsons	Monongahela	.75				.08					T.								.35	*	.50	*	*	.60						.62			2.90
arsons No. 2	....do	.31				T.	.53					T.	.54			T.			.10	T.	.27		1.03	.63	T.					.61			4.02
ıilippi	....do		.34	.03			.30						.30			.09				.10	.06		.68	.03	.91					.44	.02		3.30
ckens	....do	.38				.20	.45	.05					.30		.37				T.	.20	.18	.75		.95						.92			4.75
eedsville	....do	.50				.40	T.					.61			.04				.09			.40		.59					.18	.03			2.84
oanoke	....do	.31					.37						.89			T			.07		.05		.66	.85	.09					.65	T.		3.94
ıint Marys‖‖	Ohio		.02										.22							.30		.02	1.03	.24	.07					.40	.15		2.45
ıomas ‖‖	Monongahela		.38				.50						.45							.05	.02	.05	.71	.02	.50					.55			3.23
alley Chapel	....do	.34	.03	.02			.28					.02	.36								.03		.95	.90						.45			3.38
andalia	....do	.35											.78									.22	.75	1.01						.63			3.74
ellsburg	Ohio	.97		T.								.25	.04			.59			.06				T.	.46						.22			2.59
est Milford	Monongahela	.45					.40						.32	.20					.10		.10		1.25	.51	.10					.38			3.81
eston	....do		.36				.36						.31			.04				.02		.04	.64	.09	.61					.50	.09		3.06
heeling (Dam 12)‖‖	Ohio	.06	.67	T.								T.	.40			.25			.04	.05			.02	.14	.14					.22	.11		2.10
oodlands‖‖	....do		.72										.83			.02					.02		.43	.25						.25			2.52
Southern Division																																	
rbovale	Great Kanawha	.04	.01				.25						.11						T.		T		.19	.05						.65			1.30
ancroft ‖‖	....do	.35					.10						.38			.12						.42	.48	.08	.42					.70	.10		3.15
eckley	....do	.20				T.	.07									.06			.04		.13	T.	.14	.82						1.47			2.93
luefield	....do	.12					.18									.04								.32	.05					1.70			2.41
amden-on-Gauley	Gauley		.32				.13						.08									.44	.32	.30	.21					1.10			2.90
ıarleston	Great Kanawha	.15										.07				.28			.10			.27	.37	.65						.89			2.78
ay‖‖	....do	.37					.15						.22				.03			.07		.08	.67	T.	.59					.90	.03		3.11
am 3 G. K. ‖‖	....do		.19				.04						.12			.29				.01		.18	.35	.16	.21					.93			2.48
am 6 G. K. ‖‖	....do		.24										.08			.34				.10		.15	.50	.10	.30					.85	.11		2.77
am 19 O. R. ‖‖	Ohio	T.	.57	.05			T.						T.			.07				.03	T.	.03	1.24	.22	.04					.50	.18		2.93
am 20 O. R. ‖‖	....do		.55	.06								T.	.42			T.				.04		.02	1.46	.26	.04					.58	.22		3.65
am 25 O. R. ‖‖	....do		.37				.04					T.	.08								T.	.05	1.25	.73	.07					.59	.19		3.37
am 26 O. R. ‖‖	....do		.27	.10			.12						.06			.09						.06	.86	.60	.12					.55	.20		3.03
ary ‖‖	Big Sandy		.02	.01			.01									.22				.03	.06	.07	.01	.03	.11					1.72			2.29
inton‖‖	....do		.11				.11									T.							.01	.31	.10					1.80			2.44
untington	Ohio	.33		T.		.04	T.				T.					.36			.13		.10	.48	.24	.83					.28	.47			3.26
anawha Falls‖‖	Great Kanawha		.18				.05						.26			.45				.01		.03	.20	.82	.14					1.24			3.38
ayford‖‖	....do	.20				.05										1.47	.01					.08	.40	.42	.17					1.20			4.00
ingston	....do																																2.80
ewisburg	....do																																
ogan‖‖	Guyandotte		.20													.16				.10		.10	.28		.30	.16				1.18			2.48
adison	Great Kanawha	.15										.03			.35						.68	.33	.11	.28					.96				2.89
oint Pleasant‖‖	Ohio		.44	.10			.04						.04							.04	.02	.08	1.06	.62	.10					.72	.14		3.40
ainelle	Meadow Creek	.22	T.			T.	.07	T.				T.				.19			T.	.05	T.	.03	.12	.33	.01					1.52		T.	2.54
avenswood (Dam 22	Ohio‖‖		.39	.06			.07						.58							.05	T.	.16	1.49	.45	.11					.60	.20		4.16
ichwood	Great Kanawha	.35	.02				.17						T.			.02			.01	.03	.02		.13	.28	.05					1.44			2.52
obertsburg‖‖	....do		.33	.01			.12						.18			.06				.02		.32	.62	1.06	.25					.67	.18		3.82
yan	....do	.34				.15						.18								.04		.04	.54	.72					.03	.48			2.52
ıarples‖‖	Coal River														T.				T.		T.		1.12	T.						1.62			2.74
pencer ‖‖	Great Kanawha		.32				.37						.54							.03		.18	.64	.88	.30				.61		.13		4.00
ımmersville	....do		.24				.09						.05				.04					.27	.26	.52	.32					1.20			2.99
ıtton	Gauley	.30				.25							.35									.10	.55	.85						.90			3.30
hornwood	Great Kanawha	.10				.49	T.						.21									.65	.20						.45				2.10
ayne‖‖	Big Sandy		.35				.07					.02				.03	.12			.03		.22	.46	.09	.28					.87			2.54
hite Sulpr. Spgs.‖‖	Great Kanawha					.35										.10						.30							.50				1.25
illiamson‖‖	Big Sandy		.08													.04			.07			.27	.22	.12	.12					1.25			2.17

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for October, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	63	57	64	57	43	48	68	71	70	68	78	78	72	62	75	70	70	72	75	70	50	54	58	63	68	70	72	70	67	63	64	65.5
	Minimum	32	28	28	28	30	16	20	25	51	48	31	38	48	28	20	40	42	38	55	39	31	20	40	35	39	38	36	30	48	40	29	34.5
Brandywine	Maximum	65	64	72	70	65	48	54	64	68	72	78	70	74	82	80	74	78	80	78	76	68	83	76	61	58	67	70	74	65	72	73	70.3
	Minimum	30	29	30	29	24	26	20	26	27	31	50	49	47	48	50	30	29	44	40	39	45	52	40	39	23	27	28	31	52	39	35	35.8
Kearneysville	Maximum	77	62	74	68	58	53	56	60	63	69	80	69	64	76	72	63	69	82	77	80	76	84	76	58	60	70	74	72	64	67	66	69.0
	Minimum	46	39	43	41	31	37	30	30	28	32	52	52	48	49	53	34	28	44	46	49	54	61	56	36	31	43	50	37	56	51	52	43.2
Martinsburg*	Maximum	80	64	78	62	60	50	60	60	65	74	80	68	66	77	75	62	70	81	78	81	77	83	76	67	60	72	75	72	66	70	..	70.3
	Minimum	41	41	44	42	30	31	31	32	31	34	34	50	50	53	55	47	31	35	46	46	54	55	62	40	34	36	54	40	42	55	52	42.8
McNeill	Maximum	76	63	75	69	56	50	57	62	72	77	72	72	75	86	70	69	78	78	79	73	77	82	80	55	63	67	78	73	67	72	67	70.6
	Minimum	37	30	33	30	22	35	20	28	25	28	42	56	53	47	50	29	25	42	34	40	50	58	51	32	22	26	38	33	52	52	37	37.3
Piedmont	Maximum	68	59	69	55	52	46	53	57	63	68	73	57	70	80	76	60	69	70	71	76	77	80	65	55	59	59	73	74	66	69	68	65.7
	Minimum	37	36	38	32	28	36	25	32	30	33	47	49	50	47	54	37	30	47	44	47	56	58	53	38	29	46	38	42	52	52	39	41.4
Romney	Maximum	70	64	75	73	55	50	57	62	68	75	78	74	72	86	82	64	76	77	80	81	85	79	59	64	67	78	77	75	76	70	70	71.6
	Minimum	36	34	36	34	25	36	24	31	29	33	45	51	54	50	51	32	28	40	41	50	60	54	37	26	39	53	35	43	53	49	41	40.3
Upper Tract	Maximum	75	65	73	69	..	56	54	66	72	75	77	72	76	86	79	70	80	75	76	75	77	82	78	65	61	65	77	74	70	72	67	72.0
	Minimum	42	35	40	35	..	31	24	32	36	35	37	46	48	47	53	40	37	37	45	48	38	40	48	41	34	35	39	40	51	41	38	39.8
Wardensville	Maximum	74	61	74	61	56	52	54	59	64	72	78	..	73	83	73	65	75	79	76		.	81	73	59	61	67	74	72	68	70	69	68.7
	Minimum	35	36	34	38	26	33	23	28	26	30	41	49	..	48	49	30	24	43	39	40	..	..	45	38	25	31	41	33	42	46	47	36.4
Northern Division																																	
Alpena	Maximum	66	58	66	56	46	39	48	63	72	71	68	70	78	80	71	65	75	75	69	67	71	75	63	48	57	52	71	69	66	64	67	64.7
	Minimum	32	29	31	28	20	26	15	24	23	28	49	47	37	45	47	28	38	43	42	43	48	54	45	30	23	27	31	34	46	33	30	34.7
Bens Run	Maximum	57	63	63	59	43	43	57	45	56	65	64	57	81	83	67	70	66	65	64	71	78	67	67	56	63	66	72	76	66	69	71	64.2
	Minimum	41	39	48	36	35	37	31	40	36	42	55	55	47	51	57	45	46	53	55	58	55	61	46	37	35	36	43	40	52	51	45	45.4
Buckhannon	Maximum	63	58	67	59	50	48	49	64	68	70	74	74	76	76	70	75	76	70	71	71	78	77	70	56	55	59	67	74	69	66	65	66.6
	Minimum	39	32	40	31	29	34	24	33	30	34	40	47	41	46	44	40	34	45	52	54	50	50	45	34	29	31	36	38	48	49	39	39.3
Clarksburg*	Maximum	64	60	68	56	50	48	51	64	73	70	73	61	81	81	66	75	77	69	72	73	78	79	66	63	60	60	72	77	64	69	70	67.4
	Minimum	36	33	36	31	27	32	25	26	29	30	34	47	42	45	48	39	35	40	51	50	50	60	60	31	30	30	32	37	40	48	39	38.5
Creston	Maximum	60	63	72	67	51	52	57	60	76	74	88	63	86	84	76	81	81	71	75	74	80	82	73	57	64	66	75	79	66	71	76	71.0
	Minimum	47	32	43	30	28	37	24	33	28	32	49	48	43	44	54	37	42	46	50	51	49	59	46	33	29	30	34	36	49	45	37	40.2
Elkins	Maximum	63	56	67	52	47	41	47	63	72	69	71	66	79	79	69	70	76	67	70	73	75	78	66	50	56	56	72	71	63	66	70	65 2
	Minimum	35	34	37	30	26	29	25	29	29	32	55	48	45	45	41	34	34	46	46	51	46	59	41	35	28	29	34	37	47	40	38	38.2
Fairmont	Maximum	58	66	73	58	49	51	54	69	79	77	71	63	87	88	70	80	84	69	79	82	84	82	66	64	64	63	79	82	68	71	76	71.2
	Minimum	39	35	39	34	29	29	26	28	32	37	46	47	45	46	55	43	40	47	53	52	57	62	63	37	31	31	35	42	49	53	41	42.0
Glenville	Maximum	63	66	74	72	50	54	59	70	79	76	78	74	85	87	83	83	83	82	78	79	82	83	76	59	65	67	77	81	72	73	75	73.7
	Minimum	37	35	42	32	30	37	27	33	30	32	49	50	46	47	55	40	40	46	50	52	51	60	51	33	31	31	35	38	47	48	41	41.2
Grafton	Maximum	66	62	71	64	52	51	55	68	73	74	75	60	80	84	74	79	78	75	73	73	78	76	73	53	57	58	75	79	70	63	74	69.1
	Minimum	38	35	40	34	28	40	24	33	28	33	52	48	46	45	56	42	36	46	52	49	52	60	49	37	28	30	37	39	52	49	46	41.4
Lost Creek	Maximum	70	64	71	70	55	54	60	71	80	74	76	70	89	89	81	80	85	75	79	78	79	83	75	59	66	62	80	80	70	75	79	73.5
	Minimum	39	30	37	28	24	34	21	31	25	31	50	46	41	42	53	35	33	47	45	50	47	59	48	30	25	28	32	35	42	45	36	37.7
Mannington	Maximum	56	57	66	63	49	49	50	60	68	69	70	61	76	79	74	72	76	70	70	74	77	76	71	53	57	61	69	75	72	67	69	66.3
	Minimum	37	32	39	30	26	34	23	34	27	32	51	46	41	43	54	34	35	45	47	45	46	60	48	32	26	28	33	37	47	49	36	38.6
Morgantown	Maximum	59	56	67	67	42	47	42	56	68	62	69	59	62	69	75	71	70	68	68	71	71	72	71	49	50	55	71	60	69	59	50	62.1
	Minimum	31	30	30	30	26	31	24	36	36	35	37	38	41	40	42	38	39	39	52	49	50	50	43	33	36	39	40	37	40	37	35	37.5
New Cumberland*	Maximum	54	59	65	49	47	50	54	61	72	70	62	65	80	83	60	63	79	69	68	76	76	76	65	55	59	63	71	75	59	68	69	65.2
	Minimum	37	36	38	36	32	32	28	32	33	34	39	37	38	36	48	38	38	49	41	46	50	59	54	32	31	32	34	41	44	52	43	39.4
New Martinsville	Maximum	64	62	57	61	50	53	57	67	75	73	66	68	85	84	73	80	81	69	75	77	80	80	74	66	61	61	75	81	71	71	73	70.0
	Minimum	45	35	45	32	31	35	30	35	33	36	53	47	45	48	52	42	42	50	50	52	52	61	48	32	33	32	42	42	50	51	44	42.7
Parkersburg	Maximum	59	62	69	53	48	52	54	63	73	71	74	62	83	83	69	76	79	68	72	70	77	78	65	56	62	64	73	75	56	68	71	67.3
	Minimum	40	34	45	33	32	33	29	38	34	43	47	46	44	53	50	46	52	55	54	59	59	61	42	37	32	35	43	48	50	50	43	44.1
Parsons	Maximum	64	61	70	63	60	40	67	67	74	75	74	75	82	84	71	68	78	70	73	75	76	80	80	52	60	65	74	74	70	67	72	69.7
	Minimum	34	37	36	32	25	26	30	30	30	34	51	50	47	47	44	39	31	45	49	47	46	59	44	34	30	30	35	36	50	45	40	39.1
Pickens	Maximum	63	55	67	58	46	41	56	65	73	71	69	73	79	80	79	75	69	67	69	72	73	..	64	56	56	56	75	72	68	69	72	66.3
	Minimum	38	28	34	35	24	25	19	25	30	33	49	49	43	45	43	37	47	47	43	48	55	..	41	30	19	28	31	42	46	38	38	37.0
Reedsville	Maximum	58	57	67	61	47	45	49	63	70	70	70	83	79	79	67	67	75	68	68	72	79	83	72	50	55	56	72	75	68	67	69	66.5
	Minimum	33	29	32	25	20	32	17	29	22	28	48	46	38	38	49	33	26	41	48	40	50	58	43	32	20	27	31	32	49	45	32	35.3
Wellsburg	Maximum	61	63	66	55	49	54	55	64	73	71	62	66	82	85	69	69	80	73	71	76	79	79	68	56	61	65	72	77	66	66	70	67.8
	Minimum	41	32	41	27	26	27	24	31	28	31	48	34	35	41	45	33	35	48	42	43	46	61	48	29	25	30	38	38	54	37	39	37.3
Weston	Maximum	60	62	70	69	60	55	58	69	78	76	78	75	81	86	82	79	80	79	76	75	78	84	82	58	61	60	72	76	75	72	75	72.3
	Minimum	41	34	40	32	28	34	25	32	30	34	52	49	46	48	55	39	38	45	54	51	50	60	50	32	30	30	36	38	45	50	39	40.9
Wheeling (Dam 12)	Maximum	54	61	67	52	48	53	55	62	74	73	60	68	82	84	66	73	80	66	70	76	78	79	57	56	63	64	74	78	61	68	72	66.9
	Minimum	37	36	36	33	31	31	29	31	31	34	40	40	40	44	41	41	40	45	52	51	51	54	35	33	31	32	30	44	44	44	44	38.9
Southern Division																																	
Beckley	Maximum	69	60	72	62	61	54	56	66	72	71	76	77	82	80	74	71	78	72	73	78	79	77	72	53	59	61	74	77	69	73	72	70.0
	Minimum	37	26	49	31	24	31	17	27	34	37	43	47	47	46	50	45	40	46	52	51	51	55	51	33	23	26	33	46	39	35	35	38.9
Bluefield	Maximum	70	60	70	69	67	64	..	65	69	68	76	77	..	82	75	67	78	74	78	..	77	78	72	59	60	62	..	75	65	73	73	70.5
	Minimum	45	33	44	42	31	32	..	24	37	43	48	46	..	49	52	46	47	58	54	..	54	59	58	36	30	33	..	37	41	40	40	42.9
Charleston	Maximum	68	65	74	72	55	53	52	65	73	71	77	72	82	82	79	77	79	76	73	78	81	80	78	63	60	62	72	77	73	71	72	71.4
	Minimum	45	40	47	39	36	36	33	38	38	42	50	54	56	53	61	48	50	53	59	59	56	62	51	40	34	36	46	41	49	49	47	46.7
Gary*	Maximum	73	62	73	60	62	65	60	68	75	72	76	..	85	82	73	72	80	74	76	75	80	80	66	60	62	64	76	71	65	73	73	71.1
	Minimum	36	37	37	39	30	31	25	27	31	32	37	46	..	44	45	48	42	43	44	56	49	49	56	41	27	28	31	39	41	40	37	38.9
Hinton*	Maximum	75	69	78	66	72	51	62	71	77	77	82	81	84	87	75	75	82	80	80	87	81	79	71	61	65	67	79	74	73	77	78	74.7
	Minimum	38	39	40	38	33	36	30	31	33	34	36	49	48	48	50	45	38	40	46	55	52	53	55	40	31	32	34	38	39	43	43	40.9
Huntington	Maximum	61	69	75	68	54	56	62	69	77	74	81	72	89	88	75	81	84	72	74	80	80	81	71	61	66	65	75	75	59	74	77	72.4
	Minimum	47	38	52	38	35	37	32	41	37	39	48	49	50	51	62	46	51	54	60	61	54	61	49	36	36	35	42	45	50	51	45	46.2
Madison	Maximum	69	66	75	61	55	55	61	70	76	73	81	79	86	84	69	81	79	76	69	64	81	81	68	65	66	69	78	77	63	76	77	71.9
	Minimum	38	39	34	30	36	27	30	30	35	43	48	45	46	49	47	46	47	47	54	52	57	59	38	29	29	30	40	43	45	41	42	41.2
Point Pleasant	Maximum	58	65	72	70	53	57	60	69	75	72	70	65	86	84	82	76	76	75	72	75	77	78	76	58	65	65	76	75	60	73	74	70.6
	Minimum	45	37	47	35	33	34	30	37	33	38	49	46	45	50	60	42	49	51	53	55	54	60	48	33	33	33	39	44	48	46	41	43.5
Rainelle	Maximum	68	60	71	63	61	45	57	64	70	71	77	75	81	79	66	67	76	72	74	74	70	72	65	52	60	62	72	68	63	70	70	67.6
	Minimum	30	31	34	31	23	34	18	26	26	28	39	46	40	38	46	44	37	38	48	50	45	51	49	35	22	24	27	34	47	35	33	35.8
Ravenswood	Maximum	72	61	72	75	60	56	57	65	76	72	77	73	84	85	81	79	82	81	76	76	77	81	82	57	59	68	76	78	75	79	75	73.1
	Minimum	44	32	45	33	29	33	27	36	31	36	52	46	43	49	57	39	52	51	52	56	54	61	49	33	31	32	39	42	49	41	41	42.4
Richwood	Maximum	64	60	69	62	44	45	46	60	66	69	72	67	82	78	75	70	75	66	75	71	77	73	72	49	49	56	76	66	63	72	69	65.7
	Minimum	35	36	40	35	28	35	24	31	32	36	49	50	44	46	50	44	40	44	51	54	52	59	49	35	27	28	32	43	43	39	36	40.2
Robertsburg*	Maximum	60	62	65	58	49	47	63	68	75	72	66	61	85	83	70	72	86	72	77	84	80	83	68	59	69	71	79	78	58	78	79	70.2
	Minimum	39	34	41	34	31	36	29	31	33	37	42	48	45	49	55	42	48	51	58	56	51	56	63	35	33	34	37	41	44	46	42	42.6
Spencer*	Maximum	61	72	61	58	49	51	56	67	75	76	79	62	85	86	74	81	82	70	77	80	80	81	65	62	62	65	75	80	59	73	81	70.5
	Minimum	43	33	41	32	29	38	24	32	30	38	48	50	44	47	38	40	43	50	54	56	54	60	62	34	30	32	36	42	46	40	40	41.5
Sutton	Maximum	71	63	73	73	55	49	51	65	73	73	74	74	85	85	83	79	81	81	75	75	77	82	82	62	63	64	76	76	73	71	73	72.2
	Minimum	37	36	41	35	29	36	27	29	30	33	50	51	41	41	54	40	38	46	53	51	52	56	51	35	30	29	34	39	46	46	40	40.6
White Sulphur Spgs.	Maximum	73	66	72	65	65	65	56	66	67	69	78	75	78	80	79	67	77	78	78	78	80	72	65	67	66	68	66	78	70	75	76	71.5
	Minimum	35	36	38	28	34	24	32	26	29	37	40	45	46	46	40	30	35	44	50	50	52	45	23	24	29	28	29	44	35	36	38	36 5
Williamson*	Maximum	62	69	68	62	57	49	59	67	73	77	79	79	84	82	74	80	81	74	75	79	78	80	70	58	65	67	74	68	67	74	75	71.2
	Minimum	39	40	43	39	35	42	30	32	34	37	43	50	51	49	50	54	50	49	52	58	54	55	60	43	34	34	36	40	46	46	44	44.2

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

Daily Evaporation (Inches) and Wind Movement (Miles)

																																	Total
Clarksburg	Evaporation	.089	.096	.107	.100	.079	.022	.000	.067	.045	.088	.087	.066	.095	.033	.085	.078	.088	.056	.023	.013	.088	125	080	.093	.027	.040	.089	.066	.090	.030	.044	2.089
	Wind movement	38	23	37	107	56	16	33	15	15	13	32	41	14	13	28	36	18	18	62	84	18	31	28	44	57	6	21	8	50	24	10	996

(WBO, Cleveland, 11-25-35—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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UNIVERSITY OF ILLINOIS

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIII Parkersburg, W. Va., November, 1935 No. 11

GENERAL SUMMARY

November was much warmer and slightly wetter than usual, with a large number of cloudy days. The month was characterized by long periods of moderately warm weather. The highest and lowest temperatures were within previous November records. The coldest weather prevailed in most sections during the middle of the last decade, with temperature readings ranging generally from 2° to 8° above zero in the mountain districts. The precipitation was fairly well distributed, although the monthly amounts were much deficient in the northern Ohio River counties and central districts. A general rain storm prevailed over the State on the 12-13th and amounts of an inch or more were received at a number of stations. The snowfall was light and unimportant in nearly all the agricultural sections, but moderate snow fell on two or three days in the mountain counties. The weather during most of the month was favorable for out-door work, and corn husking progressed rapidly. At the close of the month winter grains were in fair to good condition; corn was mostly cribbed, and pastures and meadows were green in many districts. A slight earthquake shock was felt over most of the State on the 1st at about 1:10 a.m.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 46.0°, or 2.8° above the normal. Temperatures were nearly continuously above the normal from the 1st to the 13th, and from the 26th to the 28th, with the highest temperatures occurring generally on the 1st, 4th, and 5th. Moderately cold weather prevailed during the second decade, 22d to the 25th, and on the 29th and 30th, the lowest readings being noted on the 24th and 25th. The highest monthly mean temperature was 51.0° at Charleston, and the lowest, 40.9° at Terra Alta. The highest temperature was 88° at McNeill on the 5th, and the lowest was 2° at Brandywine on the 24th, making the monthly range for the State, 86°.

PRECIPITATION

The average precipitation for the State, determined from 90 stations, was 2.80 inches, which was 0.03 inch more than the normal. The precipitation was the heaviest over the northeastern counties and mountain districts, and lightest in the northern Ohio River counties and central sections. Precipitation was general from the 6th to the 13th, 16th to the 23d, and on the 28th and 29th. The greatest amounts being measured on the 7th, 12-13th. The greatest monthly precipitation was 5.33 inches at Pickens, and the least, 0.65 inch at Morgantown. The greatest amount of precipitation in any 24 consecutive hours was 2.00 inches at White Sulphur Springs on the 12th. The average snowfall for the State, 1.1 inches, was 1.1 inches below the normal. The greatest monthly snowfall was 9.0 inches at Davis. The average number of days with .01 inch or more of precipitation, was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 5; 2d, 2; 3d, 7; 4th, 1; 6th, 3; 8th, 5; 9th, 11; 11th, 5; 12th, 3; 13th, 5; 14th, 7; 15th, 8; 16th, 5; 17th, 3; 18th, 1; 19th, 1; 21st, 6; 22d, 2; 25th, 1; 28th, 1.

Sleet: 17th, 1 (Martinsburg).

Thunderstorms: 13th, 1 (Martinsburg).

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.15	30.68	24	29.67	28	7.6	22	sw.	28	85	72	74	28
Columbus, Ohio	30.14	30.69	24	29.66	28	9.6	33	s.	27	84	69	76	22
Elkins	30.17	30.65	24	29.71	28	5.9	21	nw.	5	89	64	76	37
Parkersburg	30.17	30.71	24	29.75	28	6.4	19	se.	27	86	66	74	23
Pittsburgh, Pa	30.12	30.62	24	29.66	28	10.1	28	sw.	28	86	72	78	34
Wytheville, Va	30.12	30.56	24	29.69	28	6.2	20	nw.	18	82	60	73	40

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	42.5	−0.7	80	8	3.04	+0.27	......	......	......	8	....	....	....
1892	41.7	−1.5	81	3	3.10	+0.33	......	......	......	....	....	....	....
1893	41.4	−1.8	74	3	2.12	−0.65	3.22	0.47	......	8	13	6	11
1894	39.8	−3.4	82	5	2.11	−0.66	3.47	0.25	......	8	12	6	12
1895	44.6	+1.4	87	12	2.35	−0.42	4.00	0.20	......	9	12	8	10
1896	48.1	+4.9	80	10	3.50	+0.73	5.07	1.56	......	8	10	8	12
1897	45.0	+1.8	76	13	4.45	+1.68	7.15	0.30	......	13	9	9	12
1898	41.4	−1.8	75	−3	2.84	+0.07	4.74	1.00	......	10	9	11	10
1899	45.6	+2.4	76	14	1.93	−0.84	3.49	0.20	T.	8	11	9	10
1900	45.5	+2.3	86	9	5.20	+2.43	8.88	2.71	2.8	10	8	8	14
1901	38.0	−5.2	79	7	2.51	−0.26	5.35	1.23	4.3	7	8	6	16
1902	50.3	+7.1	83	12	3.27	+0.50	4.56	1.23	0.7	7	11	6	13
1903	38.0	−5.2	80	−4	2.46	−0.31	4.98	0.67	4.6	9	11	8	11
1904	41.2	−2.0	75	9	0.64	−2.13	3.05	0.07	1.4	4	12	7	11
1905	41.8	−1.4	74	10	2.44	−0.33	5.67	0.67	T.	9	13	7	10
1906	44.2	+1.0	84	13	2.39	−0.38	5.50	0.35	2.2	6	15	5	10
1907	41.8	−1.4	74	13	3.40	+0.63	7.05	1.41	1.0	9	10	8	12
1908	43.3	+0.1	81	0	1.14	−1.63	2.73	0.48	5.2	5	15	8	7
1909	49.1	+5.9	84	12	1.34	−1.43	3.85	0.23	0.2	7	14	7	9
1910	**37.3**	−5.9	75	5	1.95	−0.82	4.41	0.66	1.8	9	8	7	15
1911	40.5	−2.7	83	7	2.74	−0.03	5.54	1.27	2.0	8	10	7	13
1912	42.8	−0.4	78	2	1.69	−1.08	4.08	0.40	0.9	6	14	7	9
1913	44.5	+1.3	82	−1	4.49	+1.72	7.50	0.61	13.4	10	12	5	13
1914	42.6	−0.6	84	2	1.32	−1.45	2.27	0.50	2.9	5	16	6	8
1915	45.2	+2.0	85	11	3.06	+0.29	5.99	1.15	1.1	9	13	8	9
1916	43.8	+0.6	81	8	1.77	−1.00	3.07	0.75	0.3	6	16	5	9
1917	39.6	−3.6	78	0	0.89	−1.88	3.65	**0.05**	1.5	10	16	4	10
1918	42.9	−0.3	79	12	1.89	−0.88	4.60	0.64	0.2	6	13	5	12
1919	44.4	+1.2	80	10	4.51	+1.74	7.53	0.85	0.3	10	12	6	12
1920	41.6	−1.6	80	5	3.21	+0.44	5.69	1.47	4.1	10	9	4	17
1921	46.1	+2.9	85	11	**5.99**	+3.22	8.81	2.52	0.8	13	7	6	17
1922	43.8	+0.6	80	2	1.15	−1.62	2.49	0.17	1.3	6	12	4	14
1923	42.3	−0.9	73	10	3.49	+0.72	5.35	1.70	0.7	11	13	3	14
1924	42.9	−0.3	87	9	2.05	−0.72	4.11	0.45	4.1	9	10	6	14
1925	40.6	−2.6	78	6	3.66	+0.89	6.62	0.65	0.9	9	11	5	14
1926	40.7	−2.5	82	4	3.59	+0.82	6.67	1.59	0.6	9	10	5	15
1927	48.1	+4.9	82	7	4.35	+1.58	7.61	0.91	1.6	12	7	7	16
1928	44.0	+0.8	81	9	3.31	+0.54	**9.41**	0.65	2.9	12	6	6	18
1929	42.9	−0.3	83	−9	4.52	+1.75	8.10	1.74	3.6	13	7	5	18
1930	42.3	−0.9	80	**−14**	1.42	−1.35	4.45	0.46	4.8	9	11	6	13
1931	**51.3**	+8.1	**88**	11	1.81	−0.96	2.96	0.25	0.2	9	13	6	11
1932	40.9	−2.3	85	0	3.34	+0.57	6.27	0.89	0.2	8	13	5	12
1933	41.4	−1.8	**88**	−5	1.98	−0.79	5.98	0.52	6.6	11	9	6	15
1934	46.6	+3.4	80	8	3.30	+0.53	5.45	1.79	1.0	9	12	7	11
1935	46.0	+2.8	**88**	2	2.80	+0.03	5.33	0.65	1.1	12	8	5	17
Period	43.2	......	88	−14	2.77	....	9.41	0.05	2.2	9	11	7	12

Climatological Data for November, 1935

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	41.0	+1.9	75	3	8	25	44	2.30	−0.86	1.06	1.5	10	10	7	13	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	19	44.2	+2.2	78	5	2	24	39	3.65	+1.78	1.35	4.0	10	15	1	14	n.	Elmer Keister
Circleville	Pendleton	......	3	......	......	......	......	......	......	......	3.61	......	1.24	0.9	12	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	......	......	......	......	......	......	......	3.05	+0.76	0.64	0	17	......	......	......	......	Sherman Harrison
Kearneysville	Jefferson	548	5	48.0	......	80	5	21	24	30	2.88	......	0.70	0	7	11	9	10	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	[a]47.7	+4.5	80[a]	5	22	24	30[a]	3.82	+1.52	1.50	T.	13	17	10	3	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	46.6	+1.9	88	5	8	24	40	3.29	+1.67	1.25	0	11	4	9	17	w.	John W. McNeill
Piedmont	Mineral	1,053	22	45.0	+2.8	79	5	18	25	34	1.96	−0.12	0.74	0	8	10	6	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	48.6	+5.5	84	5	18	24	44	2.96	+1.09	1.10	T.	11	4	14	12	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	......	......	......	......	......	......	......	2.61	−0.34	0.84	6.0	13	6	2	22	......	A. C. Becker
Upper Tract[d]	Pendleton	1,230	36	48.7	+4.9	80	5	5	24	44	4.14	+2.61	1.36	2.5	9	11	6	9	w.	Mrs. J. M. Mallow
Wardensville[d]	Hardy	1,200	14	46.4	+2.5	80	5	15	25	38[g]	2.92	+1.29	1.13	1.0	10	7	6	13	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	......	......	......	......	......	......	......	2.24	−1.10	0.43	1.0	11	8	4	18	w.	L. Else Bond
Alma (near)	Tyler	800	8	......	......	......	......	......	......	......	1.96	......	0.45	0.2	18	8	2	20	......	D. N. Furbee
Alpena	Randolph	2,571	5	41.4	......	75	5	7	24†	39	3.99	......	0.81	3.5	13	13	6	11	......	Christian Hertig
Benson	Harrison	1,080	11	45.4	+2.3	78	5	11	24	44	2.70	−0.79	0.80	2.5	14	8	5	17	......	R. D. Marts
Bens Run	Pleasants	652	33	46.2	+2.1	78	6	20	24	33	1.56	−1.35	0.45	2.0	11	6	15	9	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	47.0	+2.4	79	4	14	24†	43	2.77	−0.90	0.59	......	17	7	5	18	......	W. B. Worley
Buckhannon	Upshur	1,411	38	45.4	+3.2	77	5	16	25	37	2.38	−1.11	0.52	T.	8	11	3	16	......	H. A. Darnall
Cairo[b]	Ritchie	680	34	46.6	+2.9	81	5	13	24†	40	1.50	−1.42	0.73	......	4	7	0	21	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	44.1	+1.3	78	4†	14	24	41	1.74	−1.45	0.54	T	13	8	2	20	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	12	......	......	......	......	......	......	......	2.50	−1.14	0.52	0.3	14	7	9	14	nw.	George W. Blair
Creston	Wirt	640	33	46.0	+1.8	81	4	13	24	41	2.09	−0.67	0.55	0	11	6	1	23	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	......	......	......	......	......	......	......	1.99	−1.16	0.71	0.2	15	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	19	......	......	......	......	......	......	......	2.61	−0.26	0.56	T.	13	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	......	......	......	......	......	......	......	1.90	−1.39	0.51	T	15	......	......	......	......	Lockmaster
Davis	Tucker	3,093	26	......	......	......	......	......	......	......	4.86	+1.59	1.04	9.0	13	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	......	......	......	......	......	......	......	2.39	−0.42	0.75	0.5	15	......	......	......	......	Lockmaster
Elkins	Randolph	1,947	34	44.2	+3.9	76	5	13	25	36	3.21	+0.43	1.38	0.9	17	6	6	18	nw.	U. S. Weather Bureau
Fairmont	Marion	883	29	47.4	+4.5	84	4	18	24	41	1.88	−0.99	0.45	1.2	14	8	5	17	s.	J. C. Robinson
Glenville	Gilmer	738	41	48.0	+3.7	81	4	11	25	40	3.34	+0.15	0.89	0.5	15	3	8	19	w.	Howard R. Brannon
Grafton	Taylor	1,000	42	46.7	+3.6	82	4	15	24†	39	2.04	−0.95	0.75	T.	6	10	0	20	......	W. E. Clayton
Hastings	Wetzel	809	....	48.8	......	79	4	12	25	41	1.89	......	0.53	T.	13	8	3	19	w.	L. G. McIntyre
Horner	Lewis	1,044	12	......	......	......	......	......	......	......	3.06	−0.73	0.58	......	10	......	......	......	......	Foster R. Hardman
Horton	Randolph	2,840	10	......	......	......	......	......	......	......	3.25	+0.09	0.87	2.0	9	11	1	18	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	46.6	+1.8	78	4	13	24	42	2.43	−0.89	0.55	0.5	9	9	3	18	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	46.2	+3.6	82	4	10	24	45	2.00	−0.83	0.48	1.5	7	7	3	20	w.	Allen Smith
Mannington	Marion	985	32	45.0	+3.0	77	4	13	24	40	2.17	−0.69	0.60	0.8	19	8	4	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	......	......	67	5	17	24	27	0.65	−2.29	0.20	0.5	6	11	6	13	sw.	Bruce Davis
New Cumberland	Hancock	671	37	44.6	+3.0	76	4	18	24	30	1.62	−0.70	0.42	0.5	13	4	4	22	nw.	C. O. Valentine
New Martinsville	Wetzel	634	41	47.3	+2.5	80	4	15	24	40	1.87	−1.03	0.45	T.	10	5	6	19	s.	Wm. Ankrom
Parkersburg	Wood	638	48	45.7	+1.9	79	4	19	24	32	1.78	−0.79	0.63	0.9	13	2	7	21	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	46.2	+5.0	79	4	14	25	38	1.88	−1.05	0.75	2.5	7	10	2	18	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	......	......	......	......	......	......	......	2.67	−0.26	0.65	1.0	11	10	6	14	......	Robert T. Deem
Philippi	Barbour	1,550	38	......	......	......	......	......	......	......	2.21	−0.86	0.60	T.	13	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	32	42.0	+1.6	77	3	9	24	36	5.33	+1.13	1.45	5.0	12	10	7	13	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	....	42.2	......	76	2†	6	24	45	2.13	......	0.61	3.0	11	10	17	3	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	......	......	......	......	......	......	......	2.37	−1.00	0.56	1.0	8	10	2	18	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	......	......	......	......	......	......	......	2.20	−0.81	0.75	T.	11	......	......	......	......	Wm. Hughes
Terra Alta[d]	Preston	2,559	34	40.9	+0.3	73	4	10	24	38	2.90	−0.30	0.69	2.0	18	7	2	17	sw.	E. R. Wagner
Thomas	Tucker	2,950	6	......	......	......	......	......	......	......	2.23	......	0.77	5.0	13	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	12	45.9	+0.9	79	5	14	24†	41	2.40	−0.87	0.60	3.0	12	7	5	18	nw.	J. C. Campbell
Vandalia	Lewis	1,120	12	......	......	......	......	......	......	......	2.51	−0.87	0.56	3.0	8	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	28	44.7	+2.9	79	1	13	24	40	2.67	+0.12	0.51	1.0	11	6	6	18	......	George P. Pfister
West Milford	Harrison	979	10	......	......	......	......	......	......	......	1.56	−2.05	0.32	......	10	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	47.6	+3.6	79	1	15	24	39	2.70	−0.58	0.92	0.5	18	0	15	15	......	A. Henry
Wheeling (Dam 12)	Ohio	659	48	44.6	+2.4	75	4†	18	24	39	2.50	−0.11	0.58	0.5	13	5	6	19	sw.	Lockmaster
Woodlands	Marshall	637	8	......	......	......	......	......	......	......	2.11	......	0.54	T.	7	7	4	19	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	......	......	......	......	......	......	......	3.67	+0.44	1.50	4.0	8	10	6	14	n.	H. S. Sutton
Bancroft	Putnam	574	31	48.6	+3.9	88	11	18	24	50	3.41	+0.77	0.88	T.	12	5	1	24	w.	Charles N. Long
Beckley	Raleigh	2,440	32	44.2	+0.9	76	4†	10	25	39	4.33	+1.98	0.98	T.	16	5	11	14	......	L. A. Mauck
Bluefield[e]	Mercer	2,558	40	46.8	+2.9	73	4	14	25	36	4.54	+2.24	1.58	0	9	8	4	13	......	Norfolk & Western Ry.
Charleston	Kanawha	600	32	51.0	+3.1	80	5	21	25	35	3.58	+0.49	1.13	T.	13	10	4	16	......	S. E. Damron
Clay	Clay	706	19	......	......	......	......	......	......	......	2.99	+0.28	0.94	0.4	15	......	......	......	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	8	......	......	......	......	......	......	......	1.93	−0.65	0.92	......	10	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	19	......	......	......	......	......	......	......	1.83	−1.53	0.42	T.	11	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	19	......	......	......	......	......	......	......	1.89	−1.28	0.76	T.	10	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	8	......	......	......	......	......	......	......	2.40	......	0.40	......	12	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	19	......	......	......	......	......	......	......	3.22	+0.52	0.73	......	13	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	19	46.6	+1.6	75	1†	16	24†	37	3.45	+0.63	1.25	......	14	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	47.9	+3.8	81	5	18	25	42	3.99	+1.67	1.44	T.	11	14	5	11	......	Mrs. M. L. McClung
Huntington	Cabell	538	38	48.8	+4.5	82	4	20	24	37	3.21	+0.44	0.48	0.4	14	2	12	16	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	16	......	......	......	......	......	......	......	2.81	−0.32	0.75	......	12	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	19	......	......	......	......	......	......	......	3.57	+0.16	1.02	......	17	......	......	......	......	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Claud J Wriston
Lewisburg	Greenbrier	2,250	35	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Rose Argabrite
Logan	Logan	700	32	......	......	......	......	......	......	......	3.66	+0.67	0.73	0.1	16	......	......	......	......	J. R. Wampler
Madison	Boone	675	14	45.8	+3.3	81	1	16	23†	41	3.53	+0.88	0.93	......	13	4	3	23	......	W. E. Holy
Marlinton	Pocahontas	2,131	36	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Miss Virginia Crocket
Point Pleasant	Mason	595	42	48.0	+2.7	77	4	18	24†	39	2.84	−0.07	0.58	0.4	16	5	4	21	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	43.2	......	74	1†	10	24†	37	3.60	......	0.77	2.0	19	11	1	18	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	48.4	+2.7	82	1	15	24	38	2.13	−0.73	0.60	0	11	3	0	27	ne.	Lockmaster
Richwood	Nicholas	2,193	5	45.6	......	77	6	14	24†	39	2.56	......	0.70	1.0	17	10	6	14	uw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	46.8	+3.2	85	4	18	24†	41	2.68	+0.10	0.59	0.5	16	9	0	21	......	M. Frazier
Ryan	Roane	700	32	43.6	+0.2	85	1†	8	24	56	3.09	+0.31	0.52	0	19	6	5	19	......	Wm E. Ryan
Sharples	Logan	889	15	......	......	......	......	......	......	......	3.29	+0.05	0.92	......	7	......	......	......	......	R. W. Howard
Spencer	Roane	789	31	46.8	+2.7	81	1	15	24	37	2.26	−0.40	0.61	1.0	12	2	5	23	......	A. M. McKown
Summersville	Nicholas	1,894	2	......	......	......	......	......	......	......	3.12	......	0.90	0.8	12	......	......	......	......	Carl Perry
Sutton	Braxton	850	29	47.9	+3.9	78	4†	13	24	38	3.65	+0.20	0.75	3.0	11	11	8	11	......	C. B. Eakle
Thornwood	Pocahontas	2,723	1	......	......	......	......	......	......	......	4.20	......	1.15	......	11	......	......	......	......	Eva R. Smith
Wayne	Wayne	598	8	......	......	......	......	......	......	......	4.04	......	0.78	0.2	13	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	[a]45.5	+3.4	80[a]	1	5	23	42[a]	4.50	+2.17	2.00	T.	7	18	0	12	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	49.0	+3.4	80	1	21	24†	37	4.23	+1.36	0.91	T	17	6	9	15	se.	J. E. Dotson
State averages and	extremes	......	....	46.0	+2.8	88	5	2	24	56	2.80	+0.03	1.58	1.1	12	8	5	17	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, [a], [b], [c] appearing in the table indicate number of missing days; for example, [b] represents two days, etc.

Daily Precipitation for November, 1935

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac						.04	.30	.16			.07	.38	.68			.05	.27			.16									.19			2.30
Brandywine	....do							.65	.05			.40	.45	.90			.25	.20			.05			.40					.30				3.65
ircleville	....do						.32	.16			.45	.14	1.24	.10			.20		.09	.17	T.		.29	T.					T.	.41	.04		3.61
Harpers Ferry ||||	....do				.06		.07	.17	.50		.02	.17	.04	.42	.01	.01	.02	.37	.64		.03			.14			.01			.37			3.05
Kearneysville	....do					.61							.62	.35		T.	T.	.70	.09				.13	T.					.38				2.88
Martinsburg ||||	....do							.20	.50			.10	.12	1.50	.02		.02	.35	.45		.02			.12					.02	.40			3.82
McNeill	....do							.60	.12			.06	.35	1.25		T.	.22	.32	T.	.03		.11	.10					.13	T.	T.			3.29
Piedmont	....do				T.			.28	.08				.32	.74			.28		.16				.05						T.	.05			1.96
Romney||||	....do							.50	.15			.05	.45	1.10			.12	.41			.01		.05	.02					.10	T.			2.96
tony River Dam	....do							.20	.34			.12	.14	.84	.04		.04	.30			.04			.16					.16	.14	.09		2.61
Upper Tract	....do							.89	T.			.16	.25	1.36			.33	.45		.24	T.			.31			.15						4.14
Wardensville||||	....do							.49	.49			.15	.10	1.13		.01	T.	.07	.06		T.			.26	T.					.16			2.92
Northern Division																																	
Aberdeen	Monongahela						.16	.27	.18		T.	.19	.38	.43	.04	T.	T.	.03	T.		.17		.15	T.					.24	T.	T.		2.24
Alma (near)	Ohio					.29		.17	.14		.03	.15	.26	.45	.01		.10	.01		.02	.08		.02	.02				.04	.14	.02	.01		1.96
Alpena	Monongahela							.75	.32			.37	.81	.61	T		.14	.09	.07	T.	.14		T.	.15					.34	.10	.10		3.99
Benson	....do					.05	.10	.40	.20			.20	.33	.80	.05		.05				.12		.18						.15	.02	.05		2.70
Bens Run	Ohio					.05		.15	.08	.10		.16		.45			.18			.07	.05		T.	.07					.20	T.	T.		1.56
Brownsville	Monongahela						.20	.28	.16			.30	.59	.56	.04	.02	.03	.03	.02		.16		.15	.02					.18	.01	.02		2.77
Buckhannon	....do					T.		.52	.20		T.	.20	.50	.40			T.	T.		T.	.20		.10					T.	.26	T.	T		2.38
Cairo	Little Kanawha											.54	.14	.73			.09												T.				1.50
Clarksburg||||	Monongahela						.28	.15	.15			.14	.18	.54	.02			.01				.10	.05	.01					.07	.04	T.		1.74
Crawford||||	....do						.02	.48	.22			.23	.52	.45	.03			T.	.03	.02	.07		.11	T.					.23	.07	.02		2.50
Creston||||	Little Kanawha						.35	.15	.25			.28	.10	.55				.09			.05		.09						.15	.03			2.09
Dam 10, Mon. R.||||	Monongahela						.36	.11	.18			.04	.12	.71	.02			.06			.07		.02	.03			.04		.14	.07	.02		1.99
Dam 13, O. R.||||	Ohio						.53		.41		.03	.13	.56	.16	.10			.02			.09	.05		T.			.03		.41	.09	T.		2.61
Dam 15, Mon. R.||||	Monongahela						.32	.16	.18			.07	.15	.51	.05			.05			.08		.05	.01			.04		.12	.10	.01		1.90
Davis ||||	....do						.19	.35	.49			.39	.48	1.04	.23			.36			T.			.49	.21				.21	.19	.23		4.86
Elizabeth(D'm 3 LK)	Little Kanawha						.35	.06	.12		.04	.36	.15	.75	.01	.01	.02	.08			.13		.03						.23	.05			2.39
Elkins***	Monongahela					T.	T.	.84	.04		.13	.13	1.34	.10	.01	T.	.04	.09	.02	.01	.07		.04	.02					.24	.06	.03		3.21
Fairmont||||	....do					.34	.17	.20		.02	.07	.18	.45	.03	.02		.06			.08	T.		.02	T.		T.		.14	.10	T.	T.		1.88
Glenville ||||	Little Kanawha						.32	.36	.21		T.	.28	.37	.89	.04	.03		.04			15	T.	.09	.20					.18	.10	.08		3.34
Grafton ||||	Monongahela					T.	.37	.24					.75	T.			.38	T.		T.	T.		.18	T.				T.	.12		T.		2.04
Hastings	Ohio					.02	.37	.09	.17		.04	.09	.34	.53	.02	.10		.03		T.	.07			T.			.02	T.			T.		1.89
Horner	Monongahela						.58	.58	.22	.23	.20		.23	.43							.17					.16			.26				3.06
Horton	....do							.87				.28	.80	.48			.04	.14			.16		.15						.33				3.25
anelew (near)	....do					.20	.35	.10			.20	.50	.55								.20		.18						.15				2.43
Lost Creek	....do					T.		.48	T.		T.	.24	.41	.48	T.	T.	T.	T.		T.	.05		.13	T.				T.	.21	T.	T.		2.00
Mannington	....do					.10	.21	.13	.16		.04	.05	.60	.26	.03	.01	.05	T.		.02	.10		.05				.04	.07	.22	.02	.01		2.17
Morgantown	....do		.20	.05		.15			T.											T.		.10	T.	T.				T.	.10	T.	.05		0.65
New Cumberland||||	Ohio					.42		.29			.02	.02	.18	.19			.06			.02	.05			T.			.08	.27	T.	.01	.01		1.62
New Martinsville	....do					.32		.12	.10		.08	.16	.20	.45			.18							T.				.06	.20	T.			1.87
Parkersburg***	....do					.27		.15		T.	.12	.05	.47	.16	T.	.01	.04	T.		.04	.05		T.	T.		T.		.05	.28	T.	.09		1.78
Parsons	Monongahela					T.		T.			T.	.75			.52		.16	.10			T.		.05	.15						.15			1.88
Parsons No. 2	....do						T.	.40	.20			.16	.49	.65	T.		.15	T.	.06	T.	.14		T.	.05					.32	T.	.05		2.67
Philippi	....do						.12	.20	.40			.12	.11	.60	.05				.02		.17		.02	.15					.18	.07	T		2.21
Pickens	....do							.62	.30			.93	47	1.45	.05				.16		.30		T.	.20					.55	.10	.20		5.33
Reedsville	....do					.42	T.				.10	.61					.20			.09	.04		.15			.05			.37	.05	.05		2.13
Roanoke	....do						.16	.35			T.	.45	.56	.43	T.						.14		.10						.18	T.			2.37
aint Marys||||	Ohio							.24	.19		.04	.17	.30	.75			T.	.15	.07	.03									.18		.08		2.20
Terra Alta	Monongahela						.16	.22			.21	.20	.69	.55	.04	.03	.04	.06	.04		.23	T.	.06	.02			.05		.22	.05	.03		2.90
Thomas ||||	....do							.27	.27			.15	.15	.77	.02			.13			.10	.02	T.	.05	T.				.02	.18	.10		2.23
Valley Chapel	....do					T.	.33	.17	.20			.10	.60	.55	.01		.02			.01	.09		.13	T.					.19	T	T.		2.40
Vandalia	....do							.48	.24			.23	.56	.48							.18		.11						.23				2.51
Wellsburg	Ohio					.47			.51		.06		.38	.18			T.			T.	.07			T.			.05	.27	.30	.30	.08		2.67
West Milford	Monongahela				.05			.30				.20	.32	.20	.05		.05				.10		.08						.21				1.56
Weston	....do						.17	.21	.24		.01	.23	.27	.92	.05	.01		.04	.02		.07		.06	.15	.02				.08	.12	.03		2.70
Wheeling(Dam 12)||||	Ohio						.34		.40		.03	.12	.35	.27	.01			.05			.14	.05		T.			.01		.58	.15	T.		2.50
Woodlands||||	....do						.40		.23			.34	.15	.54	T.	T.					.15			T.					.30				2.11
Southern Division																																	
Arbovale	Great Kanawha							.43	.10		T.	.49	1.50	T			.20				.04		T.	.32					.59	T.			3.67
Bancroft ||||	....do						.48	.10	.25			.88	.28	.65	.06		.02	.44			.07		.03						.15	T.			3.41
Beckley	....do						.02	.98	.11		.30	.30	.60	.68	.06		.32	.06	.07	.08	.10		.06	.07					.52	T.			4.33
Bluefield	....do							1.04	.11			.25	1.58	.96			.25		.06		.02									.27			4.54
amden-on-Gauley	Gauley						.01	.18	.31			.78	.40	.87	.03				.04		.08			.10	.03	.01			.32	.22	.03		3.41
harleston	Great Kanawha						.17	.50	.16		.30	.14	1.13	.46		.01	.31			T.	.06		.15						.18	.01	T.		3.58
Clay||||	....do						.09	.32	.26		.16	.21	.38	.94	.10				.05	T.	.12	T.	.06	.12					.10	.06	.02		2.99
Dam 3 G. K. ||||	....do						.05	.15	.37			.44	.38	.93	.08			.43			.13			.08					.14	.08			3.26
Dam 6 G. K. ||||	....do						.12	.32	.25					.92	.08						.03	.04		.02					.08	.07			1.93
Dam 19 O. R. ||||	Ohio						.40	.05	.16		.10	.10	.09	.42	T.	T.	T.	T.	.01		.08		T.	T.				T.	.29	.13	T.		1.83
Dam 20 O. R. ||||	....do						.28	.06	.14		.08	.04	.14	.76	T.	T.	T.				.04		T.						.27	.08	T.		1.89
Dam 25 O. R. ||||	....do						.34	.06	.17		.14	.10	.37	.35	.03	T.	T.	.40			.05								.27	.12			2.40
Dam 26 O. R. ||||	....do						.30	.12	.14		.10	.52	.73	.40	.02		.03	.50			.02								.28	.06			3.22
Gary ||||	Big Sandy							.40	.56			.24	.37	1.25	.01		.01	.03	.12		.06						.01	.01	.30	.08			3.45
Hinton||||	....do						T.	.61	.52			.41	.49	1.44	.02			.20	.04		.04			T.	T.				.08	.14	T.		3.99
Huntington	Ohio	.05				.34		.30			.40	.48	.48	.33		.02	.48	.01	T.	T.	.03		.03					.03	.23	T.			3.21
Kanawha Falls||||	Great Kanawha				T.		T.	.14	.42			.20	.27	.75	.06			.45	.01		.14			.12					.11	.14			2 81
Kayford||||	....do						.04	.20	.44			.25	.25	1.02	.17	.01	.05	.45	.11		.10		.05	.08	T.				.22	.10	.03		3.57
Kingston	....do																																
Logan||||	Guyandotte	T.					.05	.22	.39		.11	.20	.41	.73	.05	T.	.21	.66	.06		.15	T.	.07	T.					.33	.01	.01		3.66
Madison	Great Kanawha					.10	.26	.39		.11	.38	.35	.93	.06		.17	.39			.13								.20	.06				3.53
Point Pleasant||||	Ohio						.30	.04	.12		.16	.20	.58	.36	.02	.04	.14	.38	T.		.06		.04						.28	.08	.04		2.84
Rainelle	Meadow Creek			T.			.02	.77	.07		.10	.32	.52	.76	.01		.16	.07	.08	.05	.13	.18	.02	.02					.27	.04	.01		3.60
Ravenswood(Dam 22	Ohio||||						.24	.05	.20		.08	.35	.18	.60				.12			.08								.15	.08			2.13
Richwood	Great Kanawha						.02	.55	.17		.04	.17	.45	.70	.06			.03	.05	.02	.19		.03	.03					.03	.01	.01		2 56
Robertsburg||||	....do						.31	.10	.15		.23	.27	.24	.59	.03	.02	.20	.26			.10		.04	.02					.10	.02			2.68
Ryan	....do					.38	.06	.30	.13		.05	.05	.48	.52	.03	.03	.14		.02	.03	.23		.38					.05	.15	.05	.01		3.09
harples||||	Coal River							.40			.35	.18	.42	.92	T.	T.	T.	.92	.10	T.	T.		T.							T.			3.29
pencer ||||	Great Kanawha						.36	.12	.26		T.	.36	.20	.61	T.	.02	.02	.03				T.	.03						.23	.02	T.		2.26
ummersville	....do							.20	.33			.36	.51	.90				.04	.03		.24			.09					.21	.17	.04		3.12
utton	Gauley						.10	.75			.10	.70	.70	.55							.20		.10	.10					.25	.10			3.65
Thornwood	Great Kanawha							.65			.20	.75	1.15	.11			.21				.10			.11				.76	.11		.05		4.20
Wayne||||	Big Sandy						.47	.27	.33		.28	.25	.60	.78	.03	.01	.28	.31					.14						.29				4.04
White Sulpr. Spgs.||||	Great Kanawha						.65	.60			.55	.35	2.00							.05									.30				4.50
Williamson||||	Big Sandy						.12	.35	.32		.17	.20	.62	.91	.02		.32	.45	.22		.02		.05	.01					.39	.05	.01		4.23

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for November, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	70	72	75	73	74	68	54	53	60	66	68	61	56	45	42	35	35	35	60	52	54	49	28	32	41	48	60	51	37	25	....	52.6
	Minimum	39	35	31	30	50	33	26	33	22	37	50	51	42	35	30	31	30	30	18	32	20	28	18	9	8	22	16	33	25	20	....	29.5
Brandywine	Maximum	70	72	65	68	78	70	60	62	59	64	68	69	64	58	54	42	44	45	54	52	50	45	30	35	48	52	55	51	42	36	....	55.4
	Minimum	38	36	37	40	55	40	32	37	26	37	48	50	54	42	35	36	30	38	21	40	18	20	16	2	9	32	20	40	32	25	....	32.9
Kearneysville	Maximum	76	73	76	67	80	76	53	61	60	64	70	73	65	51	45	44	42	52	53	55	51	46	36	40	51	57	52	55	44	38	....	56.9
	Minimum	46	58	46	55	54	47	36	38	33	46	55	57	50	44	39	38	35	35	25	42	30	29	30	21	22	34	25	37	33	30	....	39.0
Martinsburg*	Maximum	67	73	66	68	80	65	55	62	62	65	70	72	65	55	45	45	44	54	55	54	51	45	37	41	50	55	55	55	50	..	....	57.3
	Minimum	50	52	48	50	50	48	38	40	34	35	50	55	58	45	38	38	34	33	28	30	29	30	30	22	25	26	26	29	40	32	....	38.1
McNeill	Maximum	67	73	62	77	88	81	46	63	65	67	73	65	63	55	52	42	41	50	55	53	55	52	34	40	41	58	55	55	52	38	....	57.3
	Minimum	37	40	41	55	60	41	28	35	25	47	45	56	53	46	38	40	34	40	20	41	18	26	25	8	10	35	18	50	33	30	....	35.8
Piedmont	Maximum	66	69	68	73	79	55	42	57	60	64	70	65	60	52	43	39	41	41	49	43	51	36	34	38	47	53	47	57	37	33	....	52.3
	Minimum	44	43	48	44	45	42	38	42	31	47	55	58	52	43	38	36	36	35	26	42	26	34	27	23	18	36	24	35	33	27	....	37.6
Romney	Maximum	70	73	63	80	84	78	77	73	65	71	74	70	63	58	50	41	42	48	53	51	58	49	35	43	51	58	51	57	52	38	....	59.2
	Minimum	40	44	45	47	51	41	33	41	30	46	54	56	55	46	38	38	35	39	26	40	29	31	28	18	19	37	21	44	35	29	....	37.9
Upper Tract	Maximum	..	72	67	71	80	76	73	62	64	70	74	70	68	61	58	55	52	49	52	57	55	51	51	48	55	57	58	..	..	..	....	61.8
	Minimum	..	40	44	48	57	44	32	44	30	34	48	58	56	40	39	37	32	38	36	35	22	23	17	5	11	25	30	..	..	..	....	35.6
Wardensville	Maximum	..	65	70	75	80	58	52	60	57	63	71	71	61	56	45	40	48	..	55	53	59	51	48	40	50	56	..	57	47	..	....	57.2
	Minimum	..	..	45	58	44	46	32	41	31	40	52	54	57	45	38	38	32	38	..	23	21	27	25	18	15	25	21	..	29	30	....	35.6
Northern Division																																	
Alpena	Maximum	70	70	70	73	75	62	45	54	62	62	68	60	57	47	45	54	39	35	56	49	52	41	28	32	43	49	57	50	38	25	....	52.3
	Minimum	32	36	38	40	50	35	27	38	23	42	49	53	42	37	33	32	30	30	22	31	19	21	16	7	7	30	19	36	23	13	....	30.4
Bens Run	Maximum	75	66	68	68	69	78	62	60	57	48	62	63	61	43	43	42	45	45	48	48	50	50	36	42	37	42	53	54	44	44	....	53.4
	Minimum	46	53	51	52	53	45	42	40	37	35	36	60	43	41	38	39	40	40	33	40	30	32	26	20	22	32	35	44	33	29	....	38.9
Buckhannon	Maximum	72	66	70	75	77	62	54	56	61	66	70	68	63	50	45	49	44	43	58	53	54	52	32	32	32	52	64	58	43	32	....	55.1
	Minimum	39	46	42	42	50	38	38	41	31	42	55	58	45	40	36	37	37	33	28	37	27	29	22	17	16	20	27	43	28	24	....	35.6
Cairo	Maximum	79	79	80	79	81	58	55	58	..	..	69	69	63	49	45	45	50	49	56	56	53	52	59	38	42	54	65	64	47	42	....	58.4
	Minimum	39	42	49	42	50	30	34	40	..	..	30	58	48	40	38	39	38	37	29	40	24	24	21	13	13	31	29	44	31	24	....	34.9
Clarksburg *	Maximum	55	59	62	78	78	67	54	58	67	65	69	67	65	51	43	48	45	43	59	43	55	32	30	37	38	53	66	55	53	34	....	54.3
	Minimum	39	42	44	40	43	33	33	36	31	38	47	58	49	40	36	36	39	39	27	29	23	27	25	14	15	15	25	33	34	26	....	33.9
Creston	Maximum	80	66	71	81	70	53	52	51	68	66	72	69	60	48	45	46	49	46	59	49	58	51	34	33	42	53	62	57	46	32	....	55.6
	Minimum	39	50	42	43	50	42	37	36	30	45	54	57	46	40	38	39	40	40	28	39	24	29	23	13	15	29	27	44	30	27	....	36.5
Elkins	Maximum	72	70	74	76	76	54	50	54	64	63	71	61	56	44	52	45	41	37	61	52	55	42	27	31	44	50	60	54	38	30	....	53.5
	Minimum	36	42	44	51	48	34	36	35	30	50	55	56	42	40	38	39	35	32	26	35	25	27	21	17	13	28	25	38	24	23	....	34.8
Fairmont	Maximum	81	62	79	84	80	67	59	64	75	70	59	64	61	49	42	47	44	40	63	42	62	34	32	42	43	60	69	59	53	35	....	57.4
	Minimum	42	49	50	50	57	36	37	41	34	34	56	59	49	42	36	36	39	39	31	32	29	30	25	18	19	20	29	37	35	27	....	37.3
Glenville	Maximum	80	75	75	81	80	60	52	63	70	68	72	72	76	49	46	48	48	46	48	45	59	60	34	40	42	58	68	63	50	33	....	58.7
	Minimum	41	48	44	42	58	38	38	37	32	44	56	59	47	42	40	39	41	41	37	30	27	31	23	14	11	31	28	44	30	27	....	37.3
Grafton	Maximum	73	65	80	82	76	59	56	60	70	65	72	64	62	45	42	48	43	42	60	53	57	56	33	38	42	55	60	55	43	32	....	56.3
	Minimum	41	47	46	43	50	39	38	40	32	45	56	56	45	41	37	39	39	39	28	39	26	31	22	15	15	35	26	43	30	29	....	37.1
Lost Creek	Maximum	80	70	80	82	79	70	52	64	70	66	74	65	60	48	41	48	45	43	58	63	60	56	34	40	40	56	68	61	44	31	....	58.3
	Minimum	36	50	41	39	54	31	35	35	25	40	55	58	45	40	35	35	38	37	32	24	20	29	20	10	11	34	23	41	29	25	....	34.2
Mannington	Maximum	73	68	70	77	73	56	52	56	65	66	66	63	61	45	42	46	44	43	56	52	53	49	35	35	38	50	63	59	45	32	....	54.4
	Minimum	38	50	44	40	54	32	37	36	29	41	55	57	44	38	35	38	39	38	27	40	23	29	23	13	15	33	23	44	30	25	....	35.7
Morgantown	Maximum	50	49	50	48	67	55	47	42	41	46	45	42	41	48	43	53	48	46	40	42	40	38	38	42	40	39	40	39	37	32	....	44.3
	Minimum	35	33	34	33	40	45	31	28	27	29	32	33	32	33	37	27	33	35	33	34	33	33	30	17	27	27	34	33	25	26	....	31.6
New Cumberland*	Maximum	74	55	67	76	71	52	53	64	57	67	64	58	52	42	39	46	43	42	50	49	51	48	31	36	39	48	55	57	46	29	....	52.0
	Minimum	46	45	46	47	48	34	34	34	54	52	57	51	40	37	35	38	36	37	33	31	31	28	26	18	20	34	28	45	28	27	....	37.3
New Martinsville	Maximum	76	68	73	80	72	55	52	60	68	69	65	64	60	45	42	45	45	45	55	61	67	53	38	39	38	56	63	61	48	32	....	56.5
	Minimum	44	51	49	48	51	34	40	40	34	47	56	59	44	40	37	38	40	40	31	41	27	31	25	15	18	34	29	45	30	27	....	38.1
Parkersburg	Maximum	76	58	65	79	68	52	52	59	67	67	66	65	52	44	40	45	46	43	55	50	56	39	32	38	41	54	63	56	40	32	....	53.3
	Minimum	47	50	48	53	44	35	42	39	35	52	56	52	41	40	37	39	38	39	32	34	30	28	24	19	21	35	37	41	27	27	....	38.1
Parsons	Maximum	75	75	73	79	78	75	65	58	67	67	73	65	58	45	48	46	47	45	61	53	57	40	30	37	46	52	62	54	45	39	....	57.2
	Minimum	40	42	45	43	50	40	33	37	30	51	54	57	42	40	39	40	35	35	27	37	25	30	23	17	14	30	24	30	25	25	....	35.3
Pickens	Maximum	72	72	77	76	72	56	52	46	65	63	68	59	56	43	58	44	39	36	56	49	50	41	27	32	37	50	58	52	37	32	....	52.5
	Minimum	37	41	41	46	41	31	30	32	30	42	45	52	41	36	38	37	33	31	25	30	21	23	17	9	10	29	25	32	21	17	....	31.4
Reedsville	Maximum	74	76	72	67	76	57	58	55	67	64	67	67	60	44	46	45	38	38	56	55	56	50	31	32	38	49	63	57	41	29	....	54.3
	Minimum	33	35	39	41	40	31	26	33	24	24	54	56	41	36	32	35	34	33	22	21	19	27	18	6	10	30	18	39	27	21	....	30.2
Terra Alta	Maximum	70	68	..	73	70	62	46	..	..	63	65	64	59	42	38	37	34	34	..	56	50	49	27	30	41	48	60	55	43	26	....	50.4
	Minimum	44	42	..	38	50	33	32	..	..	25	52	56	41	35	29	32	30	31	..	23	22	26	18	10	11	28	22	42	25	20	....	31.4
Wellsburg	Maximum	79	65	66	78	68	52	55	56	66	63	66	62	55	43	40	46	44	44	53	50	54	52	34	40	40	54	64	58	48	32	....	54.2
	Minimum	39	48	40	41	50	30	33	32	30	42	55	55	42	38	35	39	36	38	29	40	24	29	25	13	16	33	24	45	29	27	....	35.2
Weston	Maximum	79	78	76	78	76	74	58	59	58	65	72	71	62	52	45	45	46	45	60	58	59	54	32	39	45	58	60	55	43	34	....	57.9
	Minimum	40	52	45	42	61	39	38	39	31	45	55	59	48	42	36	38	39	37	29	39	25	30	24	15	16	32	26	40	32	28	....	37.4
Wheeling(Dam 12)	Maximum	69	57	67	75	68	54	54	58	75	62	65	59	57	45	50	56	45	42	52	43	54	36	36	34	39	51	62	50	37	36	....	52.9
	Minimum	43	44	46	47	38	36	36	38	36	37	52	57	45	39	36	35	39	39	33	42	31	30	26	18	19	25	29	35	34	28	....	36.4
Southern Division																																	
Beckley	Maximum	71	70	67	76	76	70	50	57	62	59	71	63	57	41	57	48	42	39	61	50	55	48	32	32	49	52	62	54	44	37	....	55.2
	Minimum	37	43	41	48	53	35	38	38	28	43	50	54	41	36	37	34	33	33	28	32	19	24	16	11	10	25	26	41	25	19	....	33.3
Bluefield	Maximum	72	70	..	73	72	68	58	59	60	..	70	65	55	46	61	52	..	42	60	50	55	48	28	..	50	53	60	..	55	38	....	56.8
	Minimum	43	48	..	48	56	40	38	44	38	..	48	55	41	41	40	37	..	36	31	36	23	28	20	..	14	32	32	..	30	20	....	36.9
Charleston	Maximum	76	71	69	79	80	76	55	58	69	67	74	70	65	50	48	49	48	47	61	66	59	67	47	44	49	54	67	65	45	37	....	60.4
	Minimum	47	54	48	48	59	42	43	42	39	58	50	61	49	43	43	43	44	44	34	42	31	32	26	28	21	33	36	45	33	28	....	41.5
Gary *	Maximum	75	72	75	73	72	63	52	60	65	60	73	62	58	55	51	46	46	42	64	44	58	36	33	37	51	53	65	54	50	42	....	56.2
	Minimum	38	45	47	45	47	46	44	45	33	33	51	55	55	45	44	45	41	42	31	32	25	25	25	16	16	16	30	34	35	26	....	37.1
Hinton *	Maximum	78	79	73	79	81	68	50	65	67	58	74	63	59	56	64	46	49	44	63	49	51	42	30	42	56	61	64	56	40	41	....	58.3
	Minimum	42	43	48	45	46	44	44	43	34	35	49	53	56	44	45	45	41	41	32	33	28	28	26	19	18	19	28	34	36	27	....	37.5
Huntington	Maximum	77	71	66	82	72	57	54	63	72	65	74	63	61	46	44	48	48	47	55	54	59	52	37	43	52	52	65	62	44	40	....	57.5
	Minimum	49	55	45	50	51	36	44	40	35	52	56	61	46	43	42	42	44	43	32	44	29	30	25	20	22	35	34	44	30	28	....	40.2
Madison	Maximum	81	67	77	80	80	58	57	60	70	66	75	63	50	47	48	49	47	45	61	45	51	34	34	35	47	54	68	53	38	46	....	56.2
	Minimum	49	42	47	52	39	40	39	33	35	48	56	47	42	41	42	42	41	30	31	27	22	23	16	16	20	28	28	34	25	27	..	35.4
Point Pleasant	Maximum	76	73	71	77	76	59	55	62	71	68	69	64	61	48	44	47	47	46	55	50	59	55	37	47	50	58	63	60	49	36	....	57.8
	Minimum	46	52	43	50	53	33	43	40	32	45	55	59	46	40	38	39	40	41	30	40	27	28	22	18	18	33	32	44	33	26	....	38.2
Rainelle	Maximum	74	71	67	70	74	71	51	57	59	54	68	60	58	45	57	44	40	38	53	47	53	40	28	32	47	50	54	52	44	31	....	53.0
	Minimum	38	37	38	43	43	38	40	39	25	42	50	52	43	39	42	37	36	34	29	35	20	26	20	10	10	22	23	41	26	21	....	33.3
Ravenswood	Maximum	82	77	68	80	78	55	54	62	70	68	70	69	62	55	47	48	51	50	53	56	61	60	44	39	42	52	62	66	53	39	....	59.1
	Minimum	45	52	42	49	50	31	42	38	32	47	55	59	46	40	39	39	39	41	30	39	27	28	23	15	19	31	32	44	30	27	....	37.7
Richwood	Maximum	76	75	64	65	76	77	74	70	55	61	75	66	60	47	50	49	44	40	59	51	46	46	28	38	45	48	56	53	43	36	....	55.8
	Minimum	37	41	41	52	55	48	40	42	31	49	54	57	39	37	38	37	39	36	29	35	35	28	21	14	14	16	26	26	27	22	....	35.5
Robertsburg*	Maximum	78	70	73	85	75	60	55	65	73	68	75	67	61	46	45	48	48	45	58	45	60	36	35	41	51	56	67	55	37	40	....	57.3
	Minimum	45	50	44	44	52	34	34	34	33	35	52	47	48	41	40	40	42	42	30	32	28	28	24	18	18	22	31	41	35	28	....	36.4
Ryan	Maximum	85	80	75	85	70	65	65	55	80	65	80	58	55	41	40	45	45	38	55	45	55	45	38	36	38	55	60	60	41	28	....	56.1
	Minimum	38	43	34	38	45	29	33	31	24	39	50	53	41	36	36	35	36	35	23	34	18	24	15	8	10	24	22	39	23	21	....	31.2
Spencer *	Maximum	81	64	71	80	74	56	53	70	70	69	74	64	51	45	43	48	51	44	59	44	59	33	32	40	42	60	52	53	35	36	....	55.1
	Minimum	60	54	43	49	60	34	35	38	38	50	55	58	48	41	40	40	41	41	30	31	25	30	23	15	19	23	30	40	34	27	....	38.4
Sutton	Maximum	77	77	72	78	78	76	57	61	69	69	73	73	62	52	46	49	49	45	59	59	58	58	32	36	46	52	63	63	47	33	....	59.0
	Minimum	39	45	45	44	42	41	36	39	32	42	55	58	45	42	40	41	42	41	30	39	26	30	24	13	14	31	27	44	30	26	....	36.8
White Sulphur Spgs.	Maximum	80	70	74	78	66	56	54	65	60	75	62	64	65	63	53	51	54	61	50	58	41	38	40	51	51	60	55	37	38	..	....	57.6
	Minimum	39	40	40	44	40	40	41	42	32	44	53	53	40	42	39	38	38	25	30	20	25	23	5	9	16	23	37	34	25	24	....	33.4
Williamson*	Maximum	80	63	78	79	79	61	59	60	68	61	72	67	60	52	51	50	47	47	59	47	59	44	39	43	54	59	67	53	51	47	....	58.5
	Minimum	45	49	52	49	51	42	42	42	38	38	50	54	51	45	44	45	45	44	35	35	31	32	26	21	21	22	33	38	36	28	....	39.5

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 12-26-35—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

1936

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIII PARKERSBURG, W. VA., DECEMBER, 1935 No. 12

GENERAL SUMMARY

This was the coldest December since 1917, and the third coldest of December State record. Temperatures were continuously below the normal from the 17th to the close of the month, with readings of zero or much below on several days. A low temperature of 20° below zero occurred on the morning of the 31st at Ryan. During the afternoon and evening of the 25th, a severe blizzard, following a windshift line, prevailed over the State, attended by high winds, zero temperatures, and heavy snowfall. The precipitation averaged somewhat above the normal and was well distributed throughout the month and over the State. Snow occurred frequently during the last half of the month, with heavy amounts in some of the mountain counties. The average monthly snowfall, 20.5 inches, was the greatest of December State record. Navigable streams over the State were closed to navigation during the cold periods by being frozen or full of heavy floating ice. During the cold weather, winter grains were well protected by snow cover and at the close of the month were mostly in good condition. Little outdoor work was accomplished. Thunderstorms occurred generally in the central counties on the 15th.

TEMPERATURE

The monthly mean for the State, determined from 54 stations, was 27.5°, or 7.1° below the normal. Warm weather for the season prevailed from the 6th to the 10th, 14th and 15th, and 18th, with the highest readings occurring generally on the 7th and 9th. Temperatures were below the normal from the 1st to the 5th, and during the last half of the month, the lowest temperatures being noted on the 22d and 31st. The highest monthly mean was 32.2° at Charleston, and the lowest, 22.2° at Alpena. The highest temperature was 62° at Hastings on the 7th, and the lowest, 20° below zero at Ryan on the 31st, making the monthly range for the State 82°. The greatest daily range was 51° at Ryan on the 31st.

PRECIPITATION

The average precipitation for the State, determined from 89 stations, was 3.66 inches, which was 0.32 inch more than the normal. The precipitation was the greatest over the mountain districts, and least in the northeastern panhandle counties. The greater portion of the precipitation was received on the 8-9th, 12-15th, and 20-30th, the precipitation being heavy in most districts on the 13th. Snow was general on the 1st-2d, and from the 15th to the close of the month, with the greatest amounts on the 20th and 30th. The greatest monthly precipitation was 8.74 inches at Pickens, and the least, 1.40 inches at Brandywine. The greatest amount in any 24 consecutive hours was 1.97 inches at Pickens. The average monthly snowfall, 20.5 inches, was 14.5 inches more than the normal. The greatest monthly snowfall was 66.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 17.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 1; 10th, 1; 13th, 3; 14th, 4; 15th, 2; 24th, 1; 27th, 1; 31st, 1.

Hail, light: 15th, 2 (Aberdeen and Lost Creek).

Halo, lunar: 12th, 1 (Parkersburg).

Sleet: 2d, 1 (Martinsburg); 13th, 1 (Elkins); 14th, 1 (Martinsburg); 15th, 2 (Elkins and Parsons); 16th, 1 (Charleston).

Thunderstorm: 15th, 12.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.16	30.64	4	29.68	23	8.5	29	w.	25	86	74	76	29
Columbus, Ohio	30.13	30.61	6	29.72	15	9.7	33	w.	25	84	75	80	21
Elkins	30.15	30.66	6	29.69	15	7.3	30	w.	25	84	76	81	19
Parkersburg	30.17	30.66	6	29.75	15	7.3	27	sw.	25	84	75	79	16
Pittsburgh, Pa	30.07	30.61	6	29.62	15	11.4	39	sw.	25	89	82	88	25
Wytheville, Va	30.12	30.62	6	29.74	10	8.8	27	sw.	19	80	68	74	34

COMPARATIVE DATA FOR DECEMBER

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average Snowfall	With precip. .01 inch or more	Clear	Partly cloudy	Cloudy
1891	40.9	+6.3	75	6	3.27	−0.07	.....	.....	.....	....	....	....	....
1892	34.1	−0.7	72	−10	2.91	−0.43	.....	.....	.....	8	....	....	....
1893	37.1	+2.5	76	7	2.05	−1.29	3.73	0.56	.....	9	10	8	13
1894	36.3	+1.7	80	−29	4.04	+0.70	6.56	1.71	.....	9	11	7	13
1895	36.9	+2.3	72	−6	2.87	−0.47	4.14	1.85	7.1	9	8	9	14
1896	35.3	+0.7	67	2	1.68	−1.66	2.88	0.57	.....	6	12	9	10
1897	37.3	+2.7	72	−4	4.00	+0.66	6.79	2.05	.....	13	6	9	16
1898	33.4	−1.2	69	−12	2.66	−0.68	4.23	0.71	7.0	10	12	8	11
1899	33.3	−1.3	77	−17	2.81	−0.53	4.46	1.22	3.9	10	11	8	12
1900	34.6	0.0	66	3	2.26	−1.08	3.45	1.32	1.0	7	11	7	13
1901	32.3	−2.3	75	−9	5.84	+2.50	8.97	3.57	3.8	11	7	8	16
1902	33.9	−0.7	70	−2	5.33	+1.99	9.95	2.01	9.4	14	5	7	19
1903	26.5	−8.1	59	−11	2.00	−1.34	4.43	0.30	7.8	8	12	8	11
1904	32.8	−1.8	71	−20	3.12	−0.22	5.91	1.63	9.8	10	8	7	16
1905	35.6	+1.0	70	3	3.11	−0.23	5.21	1.30	3.4	9	11	6	14
1906	35.9	+1.3	70	−1	4.73	+1.39	11.15	1.83	6.2	14	5	6	20
1907	35.5	+0.9	70	−2	3.36	+0.02	9.31	0.70	5.2	12	9	8	14
1908	36.4	+1.8	73	5	3.03	−0.31	7.36	1.06	6.0	10	9	8	14
1909	28.8	−5.8	78	−10	2.55	−0.79	6.00	1.16	10.9	10	9	8	14
1910	28.4	−6.2	72	−8	2.72	−0.62	6.90	1.00	14.6	12	7	7	17
1911	39.3	+4.7	74	4	3.27	−0.07	5.58	1.25	1.6	12	9	5	17
1912	35.8	+1.2	76	−6	2.88	−0.46	5.55	1.45	7.1	10	12	7	12
1913	36.4	+1.8	68	3	2.82	−0.52	3.81	1.10	2.9	8	9	8	14
1914	30.3	−4.3	70	−20	5.46	+2.12	8.04	2.58	12.5	16	7	4	20
1915	32.8	−1.8	68	0	4.35	+1.01	7.19	1.35	7.6	11	5	7	19
1916	32.8	−1.8	77	−18	3.33	−0.01	6.38	0.85	10.6	10	13	7	11
1917	24.3	−10.3	67	−37	1.51	−1.83	3.32	0.47	11.8	8	11	6	14
1918	41.0	+6.4	74	0	4.41	+1.07	8.14	2.70	3.2	12	8	6	17
1919	30.4	−4.2	72	−15	4.07	+0.73	7.35	1.17	7.8	9	10	6	15
1920	35.6	+1.0	70	0	2.55	−0.79	5.13	1.32	3.7	10	6	7	18
1921	37.0	−2.4	79	0	4.25	+0.91	7.51	1.11	7.5	11	7	7	17
1922	36.6	+2.0	75	2	4.71	+1.37	7.27	1.03	3.6	11	10	5	16
1923	43.1	+8.5	78	0	5.82	+2.48	10.96	1.00	2.4	14	11	5	15
1924	33.1	−1.5	83	−8	2.58	−0.76	5.09	0.58	1.7	10	10	6	15
1925	32.5	−2.1	75	−8	1.20	−2.14	3.42	0.38	2.7	7	10	6	15
1926	33.9	−0.7	72	−14	5.10	+1.76	10.57	1.65	2.5	15	6	4	21
1927	34.4	−0.2	78	−6	3.72	+0.38	6.78	0.42	3.8	12	9	5	17
1928	35.4	+0.8	70	1	2.08	−1.26	5.50	0.50	0.9	7	13	5	13
1929	36.6	+2.0	73	−13	2.51	−0.83	5.59	0.59	12.2	12	9	5	17
1930	30.9	−3.7	66	−14	2.81	−0.53	6.59	0.76	8.6	12	7	5	19
1931	42.0	+7.4	75	8	3.91	+0.57	6.10	1.35	0.3	13	8	4	19
1932	36.0	+1.4	82	−12	2.83	−0.51	4.30	1.09	6.9	12	9	6	16
1933	38.7	+4.1	78	−5	4.10	+0.76	6.15	0.87	5.3	12	9	7	15
1934	33.5	−1.1	78	−8	2.20	−1.14	5.06	0.82	4.9	10	9	6	16
1935	27.5	−7.1	62	−20	3.66	+0.32	8.74	1.40	20.5	17	4	5	22
Period	34.6	.....	83	−37	3.34	....	11.15	0.30	6.4	11	9	7	15

Climatological Data for December, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	22.3	−5.8	50	15	−15	22	35	5.38	+1.25	0.80	27.0	17	3	4	24	w.	Lewis T. Clark
Braudywine	Pendleton	1,586	19	26.2	−8.0	54	9	−11	31	39	1.40	−0.36	0.70	10.0	4	8	0	23	n.	Elmer Keister
Circleville	Pendleton	....	3	....	....	....	....	....	....	....	2.90	....	0.36	32.0	18	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	46	....	....	....	....	....	....	....	2.29	−0.19	0.88	9.4	13	....	....	....	....	Sherman Harrison
Kearneysville	Jefferson	548	5	29.6	....	50	10	2	26	25	2.26	....	0.88	10.4	7	6	12	13	nw.	F. J. Schneiderhan
Martinsburg	Berkeley	435	43	^{a}30.4	−3.6	60^{a}	9	2	26	25^{a}	3.59	+0.92	1.60	12.7	12	13	12	6	w.	Dr. H. S. Gardner
McNeill	Hardy	900	39	27.4	−7.2	57	9	−10	31	35	1.58	−0.50	0.60	12.0	8	2	3	26	w.	John W. McNeill
Piedmont	Mineral	1,053	22	26.6	−6.4	52	9	−2	22	24	2.81	+0.54	0.92	12.6	12	6	6	19	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	37	28.8	−5.7	57	9	0	26	28	1.85	−0.43	0.63	8.3	10	4	5	22	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	15	....	....	....	....	....	....	....	3.95	+0.71	0.58	39.0	15	1	2	28	w.	A. C. Becker
Upper Tract	Pendleton	1,230	36	29.6	−4.0	56	9	−2	22†	37	1.45	−0.33	0.45	13.5	6	4	4	23	....	Mrs. J. M. Mallow
Wardensville^{h}	Hardy	1,200	14	27.7	−6.0	56	9	−5	31	30	1.55	−0.19	0.60	9.9	13	2	10	17	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	11	....	....	....	....	....	....	....	4.05	+1.05	0.77	16.9	22	4	4	23	w.	L. Else Bond
Alma (near)	Tyler	800	8	....	....	....	....	....	....	....	3.02	....	1.02	12.5	22	3	3	25	....	D. N. Furbee
Alpena	Randolph	2,571	5	22.2	....	48	15	−15	22	39	6.36	....	1.11	64.0	24	5	4	22	w.	Christian Hertig
Benson	Harrison	1,080	11	27.3	−8.9	58	8†	−14	22	44	4.19	+0.70	0.93	24.5	21	5	7	19	....	R. D. Marts
Bens Run^{1}	Pleasants	652	33	26.3	−8.5	52	9	−4	31	24	4.46	+0.86	0.95	22.2	18	9	6	4	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	12	28.4	−8.2	57	9	−9	22†	38	3.76	+0.44	0.88	14.0	21	2	6	23	....	W. B. Worley
Buckhannon	Upshur	1,411	38	27.6	−6.6	59	7	−8	22	35	4.92	+0.84	0.82	30.0	21	5	4	22	....	H. A. Darnall
Cairo	Ritchie	680	34	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	13	26.2	−9.0	53	7	−7	31	40	3.40	+0.32	0.67	15.2	18	1	4	26	w.	Clarksburg Water Board
Crawford	Lewis	1,107	12	....	....	....	....	....	....	....	4.25	+0.66	0.83	19.0	22	3	7	21	nw.	George W. Blair
Creston	Wirt	640	33	27.2	−8.1	56	9	−11	31	34	4.15	+0.71	0.75	13.0	18	4	1	26	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	14	....	....	....	....	....	....	....	2.93	−0.49	0.44	12.8	18	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	19	....	....	....	....	....	....	....	3.63	+0.77	0.66	12.0	19	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	14	....	....	....	....	....	....	....	2.97	−0.16	0.53	10.5	17	....	....	....	....	Lockmaster
Davis	Tucker	3,093	26	....	....	....	....	....	....	....	5.54	+0.65	0.60	53.6	25	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	23	....	....	....	....	....	....	....	3.90	+0.59	0.90	20.5	18	....	....	....	....	Lockmaster
Elkins	Randolph	1,947	34	24.8	−7.9	52	8	−11	22	30	3.84	+0.38	0.92	29.8	25	1	5	25	w.	U. S. Weather Bureau
Fairmont	Marion	883	29	28.2	−5.8	56	7	−3	26	33	3.17	−0.25	0.43	18.1	21	5	3	23	w.	J. C. Robinson
Glenville	Gilmer	738	41	29.8	−6.1	57	9	−7	31	40	5.30	+1.65	0.88	10.9	20	2	4	25	w.	Howard R. Branuon
Grafton	Taylor	1,000	42	28.0	−6.2	53	8	−2	26	30	4.07	+0.56	0.85	13.5	10	6	0	25	....	W. E. Claytou
Hastings	Wetzel	809	....	30.6	....	62	7	−5	22	37	3.55	....	1.05	10.0	17	6	4	21	w.	L. G. McIntyre
Horner	Lewis	1,044	12	....	....	....	....	....	....	....	5.15	+1.62	1.00	....	19	....	....	....	....	Foster R. Hardman
Horton	Randolph	2,840	10	....	....	....	....	....	....	....	2.56	−1.03	0.62	30.0	11	6	1	24	nw.	Warren A. Kratz
Janelew (near)	Lewis	1,020	12	27.9	−9.2	57	8	−9	22†	38	3.58	+0.50	0.80	11.5	15	7	6	18	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	37	27.2	−7.2	55	7†	−12	22	45	3.31	−0.21	0.83	13.2	18	5	2	24	w.	Alleu Smith
Mannington	Marion	985	32	26.9	−6.7	52	7†	−11	22	36	3.65	+0.20	0.91	15.9	24	2	3	26	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	42	24.5	−9.9	51	10	−1	22	35	2.92	−0.21	0.60	19.5	16	4	3	24	sw.	Bruce Davis
New Cumberland	Hancock	671	37	27.8	−3.9	55	9	−5	26	32	2.53	−0.23	0.92	13.9	25	1	2	28	nw.	C. O. Valentine
New Martinsville	Wetzel	634	41	28.6	−6.7	55	7	−2	22†	29	5.15	+1.63	1.18	17.2	17	3	5	23	n.	Wm. Aukrom
Parkersburg	Wood	638	48	28.2	−7.0	55	9	−2	31	31	3.24	+0.21	1.13	13.4	19	4	5	22	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	35	26.1	−6.2	56	9	−7	22	32	3.85	−0.20	....	....	..	3	3	25	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	9	....	....	....	....	....	....	....	3.72	−0.33	0.98	23.8	22	3	8	20	....	Robert T. Deem
Philippi	Barbour	1,550	38	....	....	....	....	....	....	....	3.94	+0.13	0.70	13.5	17	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	32	^{a}22.8	−9.4	49^{a}	7†	−13	22	41^{a}	8.74	+3.28	1.97	66.0	23	4	6	21	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	....	23.8	....	52	7	−18	22	39	4.65	....	1.04	37.0	17	9	19	3	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	12	....	....	....	....	....	....	....	3.45	+0.08	0.92	10.8	17	1	3	27	....	Miss Mary A. Conrad
Saint Marys	Pleasants	577	26	....	....	....	....	....	....	....	4.33	+0.81	0.95	20.5	17	....	....	....	....	Wm. Hughes
Terra Alta^{h}	Preston	2,559	34	22.7	−7.9	49	7†	−18	22	35	4.51	−0.23	1.14	40.4	17	4	5	14	w.	E R. Wagner
Thomas	Tucker	2,950	6	....	....	....	....	....	....	....	4.71	....	0.98	35 5	20	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	12	28.0	−7.5	55	9	−7	22†	36	3.60	+0.38	0.90	23.0	20	3	13	15	nw.	J. C. Campbell
Vandalia	Lewis	1,120	12	....	....	....	....	....	....	....	4.01	+1.61	1.03	21.0	20	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	28	26.5	−5.9	52	7	−9	31	36	2.70	−0.34	1.09	8.0	11	2	4	25	w.	George P. Pfister
West Milford	Harrison	979	10	....	....	....	....	....	....	....	3.05	−0.03	1.00	....	9	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	40	28.4	−7.4	58	9	−6	22	30	4.39	+0.65	0.71	16.0	20	0	6	25	....	A. Henry
Wheeling (Dam 12)	Ohio	659	48	27.2	−5.8	58	7	−1	26	33	2.61	−0.39	0.53	10.5	17	0	3	28	sw.	Lockmaster
Woodlands	Marshall	637	8	....	....	....	....	....	....	....	3.34	....	0.78	10.3	16	6	1	24	sw.	R. W. Rist
Southern Division																				
Arbovale	Pocahontas	2,734	9	....	....	....	....	....	....	....	3.26	....	0.81	25.9	16	4	6	21	w.	H. S. Sutton
Bancroft	Putnam	574	31	30.1	−5.3	58	9	−4	31	37	3.20	−0.28	0.80	8.5	13	4	1	26	w.	Charles N. Long
Beckley	Raleigh	2,440	32	25.2	−9.1	53	9	−9	31	44	2.96	−0.33	0.64	18.7	21	3	8	20	....	L. A. Mauck
Bluefield^{e}	Mercer	2,558	40	27.8	−9.1	55	9	−2	26	35	1.96	−1.07	0.64	14.4	10	6	3	17	....	Norfolk & Western Ry.
Camden-on-Gauley	Webster	2,029	....	....	....	....	....	....	....	....	5.06	....	0.92	32.8	25	....	....	....	....	Miss Kate Malcom
Charleston	Kanawha	600	32	32.2	−7.4	55	7†	4	31	28	3.59	+0.20	1.12	8.0	20	5	6	20	....	S. E. Damron
Clay	Clay	706	19	....	....	....	....	....	....	....	4.79	+1.44	1.05	26.0	19	....	....	....	....	S. E. Woofter
Dam 6 G. K.	Kanawha	598	8	....	....	....	....	....	....	....	2.97	+0.54	0.74	....	14	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	19	....	....	....	....	....	....	....	3.39	0.00	0.68	....	19	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	19	....	....	....	....	....	....	....	3.22	+0.01	0.60	....	17	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	8	....	....	....	....	....	....	....	3.38	....	1.57	....	13	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	19	....	....	....	....	....	....	....	3.48	+0.43	1.00	9.0	16	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	19	28.6	−9.2	54	9†	−9	31	44	2.67	−0.86	0.45	23.2	16	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	38	28.9	−6.9	60	9	−1	31	37	2.00	−0.96	0.42	17.7	16	7	5	19	....	Mrs. M. L. McClung
Huntington	Cabell	538	38	31.0	−4.6	59	9	−2	31	31	3.45	−0.05	1.09	21.7	19	3	8	20	w.	H. N. Robinson
Kanawha Falls	Fayette	618	16	....	....	....	....	....	....	....	4.44	+1.08	1.00	18.0	16	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	19	....	....	....	....	....	....	....	4.36	+0.47	0.85	....	25	....	....	....	....	Cabin Creek. Con Coal Co
Kingston	Fayette	1,481	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Claud J Wriston
Logan	Logan	700	32	....	....	....	....	....	....	....	3.12	−0.99	0.84	....	18	....	....	....	....	J. R. Wampler
Madison	Boone	675	14	27.2	−7.8	55	7†	−9	31	37	2.85	−0.05	0.89	....	10	4	0	27	....	W. E. Holy
Point Pleasant	Mason	595	42	30.0	−5.8	59	9	−7	31	34	4.78	+1.46	1.04	23.2	22	2	8	21	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	5	24.6	....	50	9	−11	31	42	4.06	....	0.68	49.0	23	4	3	24	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	12	29.9	−8.0	56	10	−10	31	45	3.49	+0.18	0.90	....	14	9	0	22	nw.	Lockmaster
Richwood	Nicholas	2,193	5	28.7	....	60	7	−7	31	47	3.94	....	1.23	48.8	23	2	7	22	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	35	29.2	−5.5	58	8†	−10	31	40	2.97	−0.41	0.88	12.0	14	6	0	25	....	M. Frazier
Ryan	Roane	700	32	22.3	−12.3	50	7†	−20	31	51	4.27	+0.81	1.38	16.4	24	3	6	22	....	Wm E. Ryan
Sharples	Logan	889	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	R. W. Howard
Spencer	Roane	789	31	29.2	−7.3	57	9	−9	31	41	4.01	+0.66	0.85	17.0	15	1	3	27	....	A. M. McKown
Summersville	Nicholas	1,894	2	....	....	....	....	....	....	....	6.52	....	1.00	39.5	19	....	....	....	....	Carl Perry
Sutton	Braxton	850	29	28.8	−6.4	54	7†	−4	25†	35	5.42	+1.40	1.15	33.0	21	7	0	24	....	C. B. Eakle
Thoruwood	Pocahontas	2,723	1	....	....	....	....	....	....	....	3.38	....	0.60	22.7	17	....	....	....	....	Eva R. Smith
Wayne	Wayne	598	8	....	....	....	....	....	....	....	3.55	....	1.16	11.0	13	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	25	26.9	−6.2	56	9	−10	31	34	2.79	+0.36	0.60	10.0	9	13	2	16	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	35	31.2	−6.4	58	8	−2	31	38	2.21	−1.62	0.80	9.8	15	7	4	20	se.	J. E. Dotson
State averages and	extremes	....	....	27.5	−7.1	62	7	−20	31	51	3.66	+0.32	1.97	20.5	17	4	5	22	w.	

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section means. † Also on other dates. †† Received too late to be included in means and summaries

Reference letters, ^{a}, ^{b}, ^{c} appearing in the table indicate number of missing days; for example, ^{b} represents two days, etc.

Daily Precipitation for December, 1935

Stations	Drainage-basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard||||	Potomac	.18	.09	....	....	....	.18	....	.58	.28	.27	.24	....	.26	.50	....	.08	.30	....	....	.80	.18	....	....	....	.12	....	....	.80	.40	.12	....	5.38
Brandywine	....do	....	....	....	T.	....	....	....	.05	....	....	T.	....	.60	T.	.05	T.	T.	....	....	T.	....	T.	T.	....	....	....	....	....	.70	....	....	1.40
Circleville	....do	T.	.14	T.	.09	T.	....	....	.27	.34	....	.08	....	.36	.17	.29	.17	.12	.07	....	.30	.04	....	.03	.09	....	.04	....	....	.08	.22	....	2.90
Harpers Ferry ||||	....do	....	.03	....	....	....	....	....	.17	.22	....	.24	.01	.12	.88	T.	.01	....	....	....	....	....	....	.09	.03	....	.06	....	....	T.	.41	.02	2.29
Kearneysville	....do	....	....	....	....	....	....	....	.29	....	....	....	....	.88	.37	T.	....	....	....	....	....	....	....	.12	....	....	....	.13	....	.25	.22	....	2.26
Martinsburg ||||	....do	....	.02	....	....	....	....	....	.12	.25	....	.35	T.	.10	.80	.05	.05	T.	T.	....	....	T.	....	.10	.05	....	.10	....	....	....	1.60	....	3.59
McNeill	....do	T.	T.	T.	T.	....	....	T.	T.	....	.08	T.	T.	.56	.18	.05	.05	T.	T.	T.	T.	....	T.	.04	.02	....	....	....	....	.60	....	....	1.58
Piedmont	....do	....	T.	T.	....	....	....	....	.20	....	.06	.05	....	.92	.56	.19	T.	T.	....	T.	.09	T.	.08	.03	T.	.08	T.	....	....	.41	.14	....	2.81
Romney||||	....do	....	....	....	....	....	....	....	.02	.07	.05	.05	....	.63	.30	.15	.03	....	....	T.	T.	....	....	T.	....	T.	....	....	....	.40	.15	....	1.85
Stony River Dam	....do	....	.32	....	.08	....	....	....	.34	.45	....	.16	....	.40	.30	....	.16	....	....	.16	.44	.12	....	....	.14	....	.20	....	....	.10	.58	....	3.95
Upper Tract	....do	....	T.	....	....	....	....	....	....	T.	....	T.	....	.45	.30	T.	T.	....	....	....	....	....	....	.08	.16	T.	.16	....	....	.30	....	....	1.45
Wardensville||||	....do	....	T.	T.	T.	....	....	....	.02	....	.16	T.	.16	.60	.12	....	.03	.02	T.	....	T.	.01	T.	.03	.02	T.	.01	....	T.	.06	.31	....	1.55
Northern Division																																	
Aberdeen	Monongahela	.15	.03	....	T.	....	....	T.	.60	.23	.05	.27	....	.77	.28	.29	.09	.15	.02	T.	.22	.02	.02	.06	.17	.06	.20	.01	....	.15	.21	....	4.05
Alma (near)	Ohio	.13	....	....	....	....	....	.05	.44	.31	.05	.03	....	1.02	.10	.12	.10	.01	.01	.02	.10	....	.03	.05	.08	.11	.03	.01	....	.15	.07	....	3.02
Alpena	Monongahela	.24	.16	....	.14	....	....	....	1.11	.40	.06	.16	.08	.16	.14	.11	.08	.40	....	.08	.62	.30	.20	.12	.52	.12	.24	.12	....	.30	.50	....	6.36
Benson	....do	.05	.04	....	.08	....	....	....	.68	.28	.10	.18	....	.93	.20	.22	.08	.05	....	....	.22	.05	.05	....	.15	.20	.18	.10	....	.20	.15	....	4.19
Bens Run	Ohio	.10	....	T.	T.	....	....	.29	.20	.55	.20	T.	T.	.95	.47	.07	....	.25	.05	....	.12	.03	....	.08	.16	T.	.38	T.	.44	.02	.10	T.	4.46
Brownsville	Monongahela	.10	.02	....	.01	....	....	....	.68	.29	....	.22	....	.88	.23	.13	.10	.08	.06	....	.23	....	.06	.05	.14	.08	.06	.03	....	.30	.01	....	3.76
Buckhannon	....do	.10	.15	.05	.05	....	....	....	.65	.28	.08	.10	....	.82	.18	.16	.10	.10	....	....	.65	....	....	.05	.20	.30	.20	.20	....	.30	.20	....	4.92
Cairo	Little Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clarksburg||||	Monongahela	.09	.03	....	....	....	....	....	.43	.56	....	.21	....	.67	.34	.03	.22	T.	.03	T.	.10	.03	....	.03	.20	....	.15	.04	....	.04	.30	....	3.40
Crawford||||	....do	.06	.02	.03	T.	....	....	....	.62	.47	.17	.08	....	.83	.23	.20	.10	.03	.03	.10	.50	T.	.08	.15	.17	.02	.15	T.	....	.15	.06	....	4.25
Creston||||	Little Kanawha	.06	.04	....	....	....	....	....	.52	.50	....	.16	....	.74	.75	.10	.20	....	.09	....	.20	.03	....	.09	.20	....	.14	.02	....	.06	.25	....	4.15
Dam 10, Mon. R.||||	Monongahela	.08	.09	....	.01	....	....	T.	.26	.44	....	.18	....	.23	.39	.04	.27	.11	.08	....	.03	.28	....	.04	.14	....	.12	....	....	....	.14	T.	2.93
Dam 13, O. R.||||	Ohio	.04	.08	....	....	....	....	.03	.33	.66	....	.20	....	.60	.57	.10	.10	.05	.03	T.	.06	.03	.04	.10	.12	....	.28	....	....	....	.21	....	3.63
Dam 15, Mon. R.||||	Monongahela	.06	.04	....	....	....	....	....	.28	.48	....	.15	....	.40	.53	.05	.18	.08	.02	....	.08	.08	....	.04	.13	....	.11	T.	....	T.	.26	....	2.97
Davis ||||	....do	.21	.19	.16	.13	.05	....	....	.46	.38	....	.60	....	.19	.43	....	.19	.23	.05	.27	.20	.21	.12	.19	.27	.17	.21	.09	T	.07	.28	.19	5.54
Elizabeth (D'm 3 LK)	Little Kanawha	.03	.06	....	....	....	....	....	.56	.57	....	....	....	.90	.57	.12	.08	....	.06	....	.24	....	....	.10	.08	.03	.17	.05	....	.05	.18	.05	3.90
Elkins***	Monongahela	.13	.05	.02	.10	....	....	.27	.67	.26	.18	.04	.11	.14	.06	.16	.13	.07	....	.24	.28	.04	.04	.12	.17	.22	.03	T.	....	.26	.05	T.	3.84
Fairmont||||	....do	.03	.08	.01	....	....	....	.35	.43	....	.08	....	.41	.43	.09	.13	.06	.02	T.	.32	.16	....	.03	.12	T.	.12	.04	....	.01	.24	.01	....	3.17
Glenville ||||	Little Kanawha	.07	.10	T.	T.	....	....	....	.53	.42	....	.57	....	.88	.56	.13	.15	.04	.06	T.	.37	.18	.12	.04	.16	.07	.26	T.	T.	.26	.33	T.	5.30
Grafton ||||	Monongahela	.25	T.	....	....	....	T.	T.	.60	....	....	.40	....	.85	....	.30	T.	T.	T.	T.	.55	T.	.13	T.	.35	.24	T.	T	T.	....	.40	....	4.07
Hastings	Ohio	.11	T.	T.	T.	....	....	.04	....	1.05	T.	.10	....	.98	.16	.25	.09	.02	.04	....	.21	....	....	.08	.02	.04	.22	T.	....	.08	.06	....	3.55
Horner	Monongahela	....	....	....	....	....	....	....	.84	.36	....	....	....	1.00	.35	.15	....	.25	.50	.13	.10	.12	.15	.10	.10	.10	.10	.40	....	.15	.15	.10	5.15
Horton	....do	....	.15	....	....	....	....	....	....	.62	....	.16	....	.31	....	....	....	.24	....	....	.34	....	.08	....	.18	....	.24	....	....	.18	.06	....	2.56
Janelew (near)	....do	.20	....	....	....	....	....	....	.58	.25	....	.15	....	.80	.20	.15	.16	.15	....	....	.17	....	.08	....	.13	.12	....	....	....	.26	.18	....	3.58
Lost Creek	....do	.08	T.	....	....	....	....	T.	.56	.22	.03	.15	....	.83	T.	.47	.05	.07	.02	T.	.35	T.	T.	.03	.06	.08	.09	.06	....	.10	.06	T.	3.31
Mannington	....do	.15	.02	....	T.	....	....	.03	.50	.29	.04	.10	....	.91	.16	.16	.16	.09	.01	.02	.21	.04	.04	.08	.12	.15	.08	.04	....	.13	.12	T.	3.65
Morgantown	....do	.08	T.	....	....	....	....	T.	.50	.60	.05	.20	.05	T.	.25	.04	.08	T.	T.	.08	.16	.20	T.	T.	....	.12	.06	T.	....	.35	.10	....	2.92
New Cumberland||||	Ohio	.06	.01	.02	.01	....	....	.10	.16	.24	.14	.02	....	.92	.04	.11	.06	.08	....	.05	.02	....	.04	.07	.01	.13	.02	.01	T.	.09	.10	.02	2.53
New Martinsville	....do	.12	T.	....	....	....	....	.15	.54	.48	.30	....	....	1.18	.10	....	.38	.58	T.	.20	.30	T.	.03	.16	.06	.28	.03	T.	T.	.26	....	....	5.15
Parkersburg***	....do	.02	T.	T.	T.	....	....	.13	.84	.10	.04	.01	.24	.91	T.	.10	T.	.04	T.	.11	.03	....	....	.08	.08	.02	.20	.03	T.	T.	.23	.03	....	3.24
Parsons	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.85
Parsons No. 2	....do	.12	.04	....	.02	....	....	....	.98	.32	.10	.24	....	.46	.11	.15	.13	.03	.01	T	.32	....	.06	.06	.25	.03	.12	.03	....	.06	.08	....	3.72
Philippi	....do	.08	.08	T.	T.	....	....	....	.70	.42	....	....	....	.70	.48	.05	.22	.05	.02	....	.12	.18	....	.04	....	....	.42	.04	....	....	.30	.04	3.94
Pickens	....do	.16	.16	....	....	....	....	....	1.97	.45	.14	.24	.38	.47	.15	.15	.32	.16	.08	.08	1.40	....	....	.16	.48	.40	.32	.16	....	.45	.30	.16	8.74
Reedsville	....do	.16	.12	T	T.	....	....	.08	.96	....	.36	....	.16	....	.36	.21	T.	.38	....	....	.64	....	.08	....	.48	.06	.06	.02	....	.12	.40	....	4.65
Roanoke	....do	.01	.01	....	T.	....	....	....	.65	.30	.15	.10	....	.92	.20	.17	.05	T.	....	....	.33	.02	T.	.08	.22	.05	T.	T.	....	.15	.05	....	3.45
Saint Marys||||	Ohio	.10	....	T.	T.	....	....	T.	.47	.63	....	.05	....	.95	.47	.07	....	.25	.05	....	.15	.03	....	.08	.16	T.	.49	T	.02	.03	.33	T.	4.33
Terra Alta	Monongahela	....	.22	.01	.04	....	....	....	....	1.14	.08	.38	.24	.18	.04	....	....	.64	T.	.03	.54	.12	....	.09	....	....	.51	.04	T.	....	.21	T.	4.51
Thomas ||||	....do	.03	.04	.12	....	....	....	....	.60	.98	....	.45	....	.34	.10	.05	.15	.15	.05	....	.20	.35	....	....	.35	.35	.10	....	....	.05	.10	.15	4.71
Valley Chapel	....do	.16	T.	....	.05	....	....	....	.67	.28	.06	.24	....	.90	.18	.25	T	.17	.04	T.	.14	....	.19	T.	.02	.06	.09	.01	....	.06	.07	.02	3.60
Vandalia	....do	.05	.01	.03	....	....	....	....	.72	.32	.12	T.	....	1.03	.17	.16	....	.02	.03	.08	.50	T.	.08	.14	.16	.01	.12	T.	....	.18	.08	....	4.01
Wellsburg	Ohio	.08	T.	T.	....	....	....	T.	.48	.35	.08	T.	....	1.09	.09	....	.16	T.	.08	T.	T	T	T.	.05	....	.13	T.	....	....	.11	T.	....	2.70
West Milford	Monongahela	....	....	....	....	....	....	....	....	1.00	....	.15	....	.75	.25	.15	....	.20	....	....	.15	....	....	.25	....	....	....	.15	....	....	....	....	3.05
Weston	....do	.09	.05	.04	.04	....	....	....	.51	.58	....	.18	....	.71	.41	.07	.24	.07	.04	....	.28	.18	....	T.	.23	....	.22	.06	....	....	.36	.03	4.39
Wheeling (Dam 12)||||	Ohio	.04	.04	....	T.	....	....	.02	.24	.49	....	.12	....	.53	.41	.09	.08	.04	T.	....	.06	T.	....	.07	.07	T	.12	....	....	....	.12	.07	2.61
Woodlands||||	....do	.08	....	....	....	....	....	....	.26	.76	....	.18	....	.48	.78	.05	.20	.04	.02	T.	.03	.04	....	.05	.08	....	.16	....	....	....	.13	....	3.34
Southern Division																																	
Arbovale	Great Kanawha	T.	.05	....	.02	....	....	....	.81	....	.12	.08	....	.34	.15	.01	.06	.12	....	T.	.08	....	.13	.09	.24	.16	T	T	....	.80	T.	....	3.26
Bancroft ||||	....do	....	....	....	....	....	....	....	.49	.54	....	....	....	.80	.50	.04	.15	T.	T.	T.	.04	T.	T.	.08	.16	....	.08	....	.08	.08	.16	....	3.20
Beckley	....do	T.	.05	....	.04	....	....	....	.39	.14	.12	T.	T	.57	.12	.09	.04	.07	T.	T.	.03	.04	.01	.22	.01	.04	.14	.05	.01	.64	.14	....	2.96
Bluefield	....do	....	.04	T.	T	....	....	....	....	.20	.11	....	....	.35	.10	....	....	T.	....	....	.04	.08	....	.16	....	....	.24	....	....	....	.64	....	1.96
Camden-on-Gauley	Gauley	.01	.08	.02	.08	....	....	....	.92	.80	.02	.26	....	.26	.22	.02	.12	.30	.08	....	.29	.10	.08	.10	.30	.03	.33	.03	....	.08	.50	.03	5.06
Charleston	Great Kanawha	.01	.03	....	T.	....	....	....	.22	1.00	.11	....	.03	1.12	.11	.03	.12	.01	.02	....	.06	T.	.10	.13	.05	T.	.09	.02	T.	.20	.13	....	3.59
Clay||||	....do	....	T.	.02	....	....	....	....	.17	1.05	T.	.22	....	.97	.49	.03	.20	.28	.03	....	.16	.06	....	.04	.26	.06	.18	T.	....	.42	.12	.03	4.79
Dam 3 G. K. ||||	....do	....	.09	....	.01	....	....	....	.57	.45	....	.28	....	.85	.40	.02	.10	.03	.05	....	.03	.10	....	.10	.14	.02	.02	T.	....	.01	.09	.04	3.40
Dam 6 G. K. ||||	....do	....	....	....	....	....	....	....	.60	.55	....	.08	....	.74	.41	.02	.05	.01	....	....	.03	....	....	....	.12	....	.04	....	....	.12	.15	.05	2.97
Dam 19 O. R. ||||	Ohio	.05	.02	T.	T.	....	....	.03	.42	.63	....	.05	....	.68	.47	.08	.08	T.	.01	T.	.10	.06	....	.05	.10	T.	.15	T.	T.	.10	.30	.01	3.39
Dam 20 O. R. ||||	....do	.04	.02	T.	T.	....	....	.02	.45	.53	....	.28	....	.60	.55	....	.08	.01	.01	....	.01	T.	....	.12	.10	....	.12	T.	T.	.03	.25	....	3.22
Dam 25 O. R. ||||	....do	.03	....	....	....	....	....	.02	.57	.63	....	....	....	1.57	.04	.17	.08	.07	....	....	.05	....	....	.04	....	....	....	....	....	.02	.10	....	3.38
Dam 26 O. R. ||||	....do	.38	.05	....	....	....	.02	.02	.50	.75	....	....	....	1.00	.16	.03	.05	....	....	....	.02	.10	....	....	.10	....	.04	....	....	.08	.18	....	3.48
Gary ||||	Big Sandy	....	T.	....	T.	....	....	....	.11	.24	....	.10	....	.31	.04	.01	....	T.	....	.01	T.	.02	T.	.16	.16	.16	.16	.25	.17	.32	.45	....	2.67
Hinton||||	....do	....	.01	T	T.	....	....	....	.16	.33	....	.06	....	.42	.11	.01	.04	.02	T.	....	.03	.01	....	.09	.10	T.	.13	T	....	.20	.28	T.	2.00
Huntington	Ohio	T.	.04	....	T.	....	....	.02	.75	.35	.07	....	.16	1.09	.02	.01	.03	.01	T.	.02	.01	T.	.07	.17	.02	.10	T.	....	T.	.45	.06	....	3.45
Kanawha Falls||||	Great Kanawha	....	.09	....	....	....	....	....	.69	.50	....	....	....	1.00	1.00	....	.18	T	....	....	.15	.07	....	.10	.12	.01	.08	.01	....	.08	.35	.01	4.44
Kayford||||	....do	T.	.12	.01	.08	....	....	....	.07	.80	.10	.15	....	.85	.38	.02	.28	.15	.04	....	.08	.09	.04	.05	.21	.08	.15	.04	.01	.08	.44	.04	4.36
Kingston	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Logan||||	Guyandotte	....	....	.01	.02	....	....	....	.33	.37	.13	....	....	.84	.19	....	.07	T.	.01	....	.01	.05	....	.08	.20	.06	.25	.06	....	....	.43	.01	3.12
Madison	Great Kanawha	.02	....	....	....	....	....	.46	.35	....	.08	....	.89	.25	....	.12	....	....	....	....	....	....	....	.22	....	....	.10	....	.36	....	....	....	2.85
Point Pleasant||||	Ohio	.04	.04	....	....	T.	....	.02	.70	.60	....	.06	....	1.04	.78	.02	.08	.08	.04	....	.10	.04	.14	.14	.14	.02	.12	....	....	.34	.22	.02	4.78
Rainelle	Meadow Creek	.02	.16	....	.06	....	....	....	.68	.21	....	.05	.17	.60	.14	.09	.09	.09	.04	T.	.23	.09	.08	.13	.12	.24	.15	.03	T.	.50	.09	....	4.06
Ravenswood (Dam 22	Ohio||||	....	T.	....	....	....	....	T.	.55	.68	....	.13	....	.90	.47	.05	.08	....	.03	....	.03	....	....	.06	.12	....	.03	....	....	.02	.34	....	3.49
Richwood	Great Kanawha	.04	.11	....	.05	....	....	....	1.23	.05	.07	....	.12	.42	.19	.10	.17	.15	.02	....	.16	.02	.01	.15	.12	.06	.20	.04	....	.35	.11	....	3.94
Robertsburg||||	....do	....	.03	....	T.	....	....	....	.53	.60	....	....	....	.88	.23	.04	.05	T.	....	....	.05	.02	....	.10	.08	T.	.04	....	....	.15	.17	T.	2.97
Ryan	....do	.01	.10	....	.02	....	....	.01	.60	.50	....	.04	.03	1.38	.11	.15	.10	.05	.05	.02	.23	....	.08	.16	.02	.19	.05	.02	....	.30	.05	....	4.27
Sharples||||	Coal River	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer ||||	Great Kanawha	.05	....	....	....	....	....	.40	.53	....	....	.11	.85	.69	....	.10	.11	.05	....	.10	.40	....	....	.32	....	.08	....	....	....	.10	.12	....	4.01
Summersville	....do	....	.04	....	.15	....	....	....	.75	.63	....	.94	....	.64	.40	....	.19	.15	....	....	.15	.20	....	1.00	.30	.03	.24	.06	....	.13	.49	.03	6.52
Sutton	Gauley	.10	.25	....	....	....	....	....	.75	.35	....	.25	....	1.15	.20	.20	.20	.09	....	.10	.50	....	.16	.08	.08	.12	.30	.05	....	.24	.20	.05	5.42
Thornwood	Great Kanawha	.05	T.	.10	.15	....	....	.60	.29	....	.31	....	.22	.24	....	.21	....	....	....	....	....	....	.31	.10	.06	.12	.08	.05	.09	.40	....	....	3.38
Wayne||||	Big Sandy	....	....	....	.02	....	....	....	.84	.59	....	....	....	1.16	.07	....	.03	....	....	....	.06	....	....	.12	....	.11	.07	....	....	.14	.33	.01	3.55
White Sulpr. Spgs.||||	Great Kanawha	....	....	....	....	....	....	.60	.35	....	.10	....	.30	.50	....	.20	....	....	....	....	....	....	T.	.16	.08	....	....	....	....	.50	....	....	2.79
Williamson||||	Big Sandy	....	....	T.	.01	....	....	....	.26	.21	....	.02	....	.80	.19	....	.03	T.	T.	....	.02	.01	....	.14	.07	T.	.11	.01	T.	.06	.27	T.	2.21

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
*** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	30	28	28	25	30	43	46	48	48	43	40	35	35	36	50	45	28	38	33	25	9	15	22	28	21	18	12	21	14	16	34	30.5
	Minimum	21	18	15	10	13	23	15	30	40	30	22	7	28	30	32	24	22	23	23	9	-2	-15	10	13	-5	-9	2	5	-2	5	-1	14.1
Brandywine	Maximum	34	32	35	33	40	44	47	50	51	42	44	37	47	38	44	41	38	41	40	35	16	18	30	27	22	23	24	24	22	24	28	34.6
	Minimum	28	20	14	17	12	18	21	34	40	20	30	15	30	29	35	20	27	25	29	16	6	-1	12	20	6	-3	9	10	9	9	-11	17.7
Kearneysville	Maximum	42	40	34	44	43	42	38	47	49	50	45	42	40	40	40	43	42	43	42	35	24	21	25	29	29	21	23	28	22	25	30	36.1
	Minimum	31	23	26	29	18	31	22	35	40	37	30	24	32	35	36	35	29	33	34	22	10	7	9	18	14	2	13	13	9	9	13	23.2
Martinsburg*	Maximum	45	35	35	35	45	42	40	50	60	50	47	40	40	40	45	40	40	45	38	36	28	25	25	30	31	25	24	29	27	28	..	37.3
	Minimum	30	27	27	20	20	32	22	30	36	38	36	27	27	32	35	38	32	32	36	25	11	8	12	15	19	2	8	15	12	10	17	23.6
McNeill	Maximum	42	38	42	36	45	49	39	54	57	55	44	33	35	44	49	42	35	45	41	36	18	20	23	30	25	25	20	20	27	23	23	36.0
	Minimum	27	26	25	20	10	22	16	34	40	27	30	13	30	34	34	32	29	30	30	17	9	-3	5	20	-1	-4	13	13	7	10	-10	18.9
Piedmont	Maximum	37	30	33	24	35	43	37	51	52	48	33	35	35	39	39	37	35	41	32	31	17	22	23	23	24	17	15	21	18	20	25	31.4
	Minimum	30	25	24	16	21	30	23	34	48	31	31	21	32	33	37	31	31	31	31	17	7	-2	14	20	8	-1	10	13	8	10	13	21.8
Romney	Maximum	43	38	39	35	42	44	40	42	57	52	45	38	38	39	44	44	38	45	43	34	22	22	25	28	28	25	22	29	23	26	33	36.2
	Minimum	29	26	25	18	18	29	22	34	34	34	33	18	21	33	37	32	32	33	32	20	9	2	13	21	7	0	13	14	9	10	5	21.4
Upper Tract	Maximum	46	47	43	40	43	44	45	55	56	54	51	49	46	44	52	49	47	47	45	42	16	17	22	30	28	25	23	28	25	25	35	39.3
	Minimum	25	23	20	21	20	23	21	25	45	32	28	18	3[illegible]	32	35	30	29	28	33	15	6	-2	10	20	8	-2	11	13	11	9	-2	19.9
Wardensville	Maximum	..	43	31	39	39	43	43	53	56	53	42	37	36	45	..	43	36	37	40	48	28	18	21	27	29	27	19	22	28	19	25	35.4
	Minimum	..	27	23	19	10	30	19	31	30	32	18	26	35	35	..	36	28	28	34	24	9	1	7	19	18	1	10	15	10	9	-5	20.0
Northern Division																																	
Alpena	Maximum	31	25	29	25	31	46	40	47	45	47	38	34	35	44	48	38	25	39	33	26	7	19	26	27	20	19	10	19	15	18	39	30.5
	Minimum	21	14	14	12	9	21	20	31	39	28	20	10	27	31	33	23	21	19	23	5	-4	-15	13	12	-3	-9	0	4	4	10	0	14.0
Bens Run	Maximum	..	..	31	31	33	38	41	51	52	39	37	40	..	..	..	..	..	..	..	..	..	..	31	31	24	20	20	27	23	23	20	32.2
	Minimum	..	..	25	21	16	27	30	40	39	34	30	30	..	..	..	..	..	..	..	..	..	..	18	22	2	1	12	12	18	15	-4	20.4
Buckhannon	Maximum	36	35	32	33	36	40	59	53	53	50	43	42	42	45	52	44	35	40	39	33	15	20	32	32	20	26	18	20	25	27	32	35.8
	Minimum	24	24	22	19	15	22	24	41	45	30	27	22	32	36	34	34	28	24	24	11	4	-8	15	20	-3	-3	5	9	14	16	-2	19.5
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg *	Maximum	36	27	32	27	35	40	53	52	51	48	31	43	38	45	50	45	34	40	32	26	17	20	33	24	25	17	13	20	23	20	33	33.2
	Minimum	27	24	24	22	17	19	22	32	46	30	29	25	28	35	35	32	30	25	25	20	5	-6	5	20	-3	-4	5	7	9	17	-7	19.3
Creston	Maximum	37	29	34	35	32	38	51	51	56	49	34	42	39	41	48	42	35	40	38	31	14	20	32	31	27	21	20	22	27	25	23	34.4
	Minimum	28	23	25	22	11	20	23	40	46	28	28	23	32	35	35	32	31	26	30	13	3	-4	17	19	-3	0	5	10	14	15	11	19.9
Elkins	Maximum	35	25	30	26	34	42	48	52	50	50	28	39	43	47	52	33	30	40	34	18	8	19	30	29	22	15	11	22	22	22	30	31.8
	Minimum	25	20	20	16	16	25	25	37	40	27	24	17	34	35	33	26	26	27	18	5	-3	-11	19	16	-4	-5	5	10	11	15	4	17.8
Fairmont	Maximum	34	32	33	31	40	40	56	52	53	49	38	47	38	44	53	44	33	48	31	30	21	23	33	35	23	23	13	33	20	21	37	35.7
	Minimum	26	24	25	21	18	21	24	33	48	35	30	29	30	30	30	32	30	29	30	21	5	-1	3	23	6	-3	7	7	7	18	4	20.7
Glenville	Maximum	49	46	35	34	43	48	51	54	57	51	41	42	40	44	53	49	35	44	41	33	21	22	35	35	28	27	20	32	29	34	33	38.9
	Minimum	36	25	25	23	12	21	24	39	47	30	28	23	33	38	35	33	30	26	32	13	5	-6	17	15	-5	-1	7	10	14	16	-7	20.6
Grafton	Maximum	33	32	31	32	38	40	34	53	52	48	42	45	40	45	50	45	33	43	40	30	15	22	31	31	24	24	17	25	24	20	32	34.5
	Minimum	28	24	24	20	16	21	25	41	47	29	29	25	33	37	36	31	30	28	30	14	6	7	16	20	6	-2	8	11	12	14	2	21.4
Lost Creek	Maximum	34	32	34	35	40	45	55	52	55	52	46	44	41	46	52	43	33	42	40	30	15	20	30	32	24	25	17	32	30	22	35	36 5
	Minimum	26	22	22	20	15	20	20	40	46	30	27	19	31	31	41	30	27	24	29	12	4	-12	10	20	-7	-6	-6	9	7	15	-10	17.9
Mannington	Maximum	33	31	31	32	34	36	52	52	52	47	41	43	41	42	50	46	34	41	39	32	16	20	31	31	24	22	18	23	21	21	27	34.3
	Minimum	28	24	24	20	15	19	20	39	46	28	29	29	33	35	34	32	29	27	30	15	5	-11	14	21	-4	-6	7	8	6	17	-9	19.5
Morgantown	Maximum	30	29	28	19	28	36	44	46	46	51	46	42	41	43	36	34	33	32	29	27	26	16	25	25	18	18	13	17	18	18	38	30.7
	Minimum	27	26	14	14	16	22	35	35	36	35	25	36	29	30	25	20	18	19	15	12	4	-1	15	12	11	6	3	9	1	14	3	18.3
New Cumberland*	Maximum	32	31	32	29	32	39	52	52	55	47	40	40	44	40	48	46	36	38	38	34	19	20	34	29	24	27	19	27	19	24	28	34.7
	Minimum	29	23	23	19	12	30	25	44	41	34	30	25	32	34	35	31	30	32	29	15	7	0	17	14	4	-5	8	11	8	11	-2	20.9
New Martinsville	Maximum	35	34	33	34	38	40	55	52	54	50	35	44	41	42	51	43	35	42	40	32	20	21	30	30	27	20	14	27	24	24	20	35.1
	Minimum	30	24	26	22	18	25	26	41	47	32	30	31	32	36	37	32	31	32	30	15	6	-2	16	22	4	-2	7	10	14	16	-2	22.1
Parkersburg	Maximum	35	30	34	30	40	42	53	54	55	51	34	43	39	42	50	37	36	43	33	24	18	21	34	29	27	23	13	24	24	23	29	34.5
	Minimum	23	23	25	19	22	22	33	45	46	30	28	30	32	35	36	31	33	31	23	9	3	5	21	11	-1	1	6	12	18	14	-2	21.9
Parsons	Maximum	34	27	32	31	3[illegible]	46	49	50	56	51	35	40	40	45	52	40	31	42	37	27	9	17	31	31	24	15	15	24	22	26	36	33.8
	Minimum	27	21	20	13	13	26	25	37	40	31	27	21	33	30	30	29	27	25	25	9	4	-7	17	19	-3	-5	6	10	10	11	4	18.4
Pickens	Maximum	31	24	29	..	35	43	49	47	49	45	33	33	39	45	45	36	26	37	33	25	13	22	37	27	23	16	15	22	26	23	34	32.1
	Minimum	21	14	14	..	6	13	25	38	36	29	18	11	29	31	32	22	21	15	22	2	-12	-13	18	12	-1	-9	-2	4	8	9	-7	13.5
Reedsville	Maximum	32	23	27	27	31	37	52	50	50	47	41	40	39	44	47	42	38	38	36	31	15	19	32	28	22	23	15	22	22	18	27	32.9
	Minimum	24	20	19	12	12	15	18	38	38	27	25	24	22	33	26	27	25	25	23	10	0	-18	12	13	-14	-7	3	6	-5	12	-12	14.7
Terra Alta	Maximum	..	29	25	24	30	38	49	..	49	42	39	31	33	34	..	..	47	37	34	25	12	11	23	..	..	26	..	20	..	17	31	30.7
	Minimum	..	18	17	10	13	22	25	..	36	35	23	13	27	31	..	..	22	24	23	10	-1	-18	10	..	..	-9	..	4	..	-1	3	14.7
Wellsburg	Maximum	33	33	32	30	32	38	52	51	51	47	37	40	40	40	45	37	34	39	38	31	19	21	29	29	23	23	20	24	18	22	27	33.4
	Minimum	29	22	22	20	14	28	21	43	45	29	30	23	32	33	36	31	29	32	29	18	7	-2	11	13	-2	0	7	11	1	6	-9	19.6
Weston	Maximum	35	29	32	30	30	45	55	56	58	54	40	45	43	44	45	44	35	44	40	31	20	21	31	30	25	21	16	30	29	24	25	36.0
	Minimum	29	24	23	24	19	21	25	40	47	31	25	25	32	37	35	32	30	25	30	18	0	-6	12	21	-2	-3	7	10	19	15	-5	20.8
Wheeling (Dam 12)	Maximum	33	29	34	32	36	41	58	55	55	51	35	42	41	44	51	37	36	40	35	26	25	25	32	29	24	21	12	29	26	25	29	35.1
	Minimum	25	24	22	19	19	21	25	25	42	31	29	27	29	33	33	31	31	32	26	10	7	6	7	10	5	-1	5	6	11	6	1	19.3
Southern Division																																	
Beckley	Maximum	40	33	32	30	41	50	42	49	53	50	36	35	34	41	48	39	31	38	37	34	29	25	28	28	25	22	19	27	19	17	35	34.5
	Minimum	27	16	14	18	9	12	31	37	42	26	17	16	27	39	36	25	22	18	26	10	-3	-6	10	18	9	-6	0	2	11	12	-9	16.0
Bluefield	Maximum	41	40	38	35	44	54	46	..	55	48	38	33	37	47	..	47	28	41	43	38	15	..	32	29	..	28	20	23	..	26	34	36.9
	Minimum	32	18	13	22	19	19	33	..	42	33	18	22	29	34	..	27	24	21	30	8	-1	..	6	21	..	-2	2	1	..	14	0	18.8
Charleston	Maximum	42	38	38	39	42	45	55	55	55	55	44	44	41	45	55	53	45	45	43	35	19	33	35	35	30	30	21	27	28	28	32	39.7
	Minimum	30	26	26	26	18	22	32	43	43	35	28	31	33	37	40	34	32	30	33	16	8	10	22	27	17	5	7	14	22	18	4	24.8
Gary *	Maximum	43	42	38	32	44	51	51	51	54	54	35	39	38	47	49	42	33	43	46	35	21	28	33	28	32	27	24	30	25	21	35	37.8
	Minimum	27	2[illegible]	18	18	10	10	14	38	44	30	24	23	29	36	37	34	30	22	22	20	4	4	15	24	21	5	5	4	2	19	-9	19.5
Hinton *	Maximum	44	30	43	31	50	51	45	46	60	54	33	41	41	46	51	36	35	47	45	29	24	24	33	31	30	19	24	31	23	23	29	37.2
	Minimum	27	25	21	21	13	14	18	35	37	30	26	22	28	35	37	34	29	25	29	20	7	7	14	18	21	2	7	8	11	19	-1	20.6
Huntington	Maximum	40	36	38	37	48	46	54	54	59	51	40	44	39	44	51	41	36	45	40	28	23	26	34	34	28	23	20	27	28	28	29	37.8
	Minimum	33	27	24	25	19	23	32	44	47	35	25	28	33	37	41	35	33	28	28	16	7	12	25	25	7	4	4	13	21	17	-2	24.2
Madison	Maximum	40	29	39	26	42	37	55	54	55	53	44	44	40	51	53	37	35	35	34	21	21	30	28	25	23	12	20	28	28	19	28	35.1
	Minimum	25	21	22	12	13	13	35	45	29	24	21	24	32	35	32	30	24	25	19	5	7	18	25	19	3	3	6	13	16	13	-9	19.4
Point Pleasant	Maximum	40	38	37	37	45	48	52	56	59	51	39	45	43	46	50	46	37	48	39	33	23	25	34	34	28	25	23	27	27	28	27	38.4
	Minimum	30	25	21	23	15	21	28	40	45	33	27	28	31	35	40	33	30	26	31	14	4	5	20	22	5	0	4	9	17	13	-7	21.6
Rainelle	Maximum	35	30	31	30	39	40	44	46	50	48	47	41	37	42	47	35	25	37	35	32	12	17	29	29	23	23	13	25	20	18	28	32.6
	Minimum	24	17	16	18	-3	10	37	34	39	30	26	20	29	32	33	25	25	14	28	8	0	-10	10	19	13	-4	3	4	14	13	-11	16.5
Ravenswood	Maximum	39	37	35	37	43	45	53	55	55	56	42	43	45	44	50	50	35	41	39	35	20	22	33	36	30	22	27	28	26	27	35	38.3
	Minimum	30	24	25	20	13	23	27	43	47	31	27	27	32	35	38	33	31	28	31	15	4	2	20	23	2	2	6	9	16	14	-10	21.5
Richwood	Maximum	35	32	39	37	40	55	60	54	55	52	53	50	48	53	53	48	34	35	41	37	33	32	31	35	29	28	22	31	25	21	29	39.9
	Minimum	25	19	18	19	-1	8	31	41	36	29	21	18	32	34	35	28	26	19	29	9	-2	-4	16	19	14	-4	2	2	14	13	-7	17.5
Robertsburg*	Maximum	39	37	39	35	47	49	57	58	57	58	38	44	37	46	51	42	37	42	36	33	24	28	34	30	29	26	15	30	26	30	30	38.2
	Minimum	28	26	21	23	14	18	18	36	45	33	28	26	30	31	35	35	32	26	26	21	1	1	8	26	5	4	5	5	11	16	-10	20.2
Ryan	Maximum	33	29	30	27	36	40	50	48	50	50	32	45	33	36	45	38	27	37	33	24	16	19	27	27	22	17	13	22	20	18	31	31.5
	Minimum	25	19	17	16	5	11	18	35	36	22	21	17	26	21	29	26	26	18	15	7	-1	-8	13	7	-9	-5	-1	4	7	10	-20	13.1
Spencer *	Maximum	37	29	34	33	34	53	54	54	57	53	33	39	43	45	51	37	35	45	33	31	20	26	33	30	26	21	12	27	30	32	32	36.1
	Minimum	28	24	25	23	14	22	43	47	42	31	27	26	34	29	35	34	31	29	31	20	3	-1	20	25	-1	1	5	10	18	27	-9	22.4
Sutton	Maximum	35	35	34	34	39	45	54	54	54	54	43	48	48	46	46	46	34	42	42	33	16	20	34	34	26	24	20	24	25	25	31	35.9
	Minimum	30	23	24	25	11	19	25	41	47	30	27	23	32	36	34	32	30	26	32	14	6	-3	16	24	-4	-2	6	11	15	17	4	20.8
White Sulphur Spgs.	Maximum	40	30	36	35	44	49	44	48	56	53	37	36	41	43	52	35	35	45	42	25	20	19	30	29	28	18	18	28	21	33	20	35.2
	Minimum	24	18	20	7	10	30	33	40	25	24	18	32	35	38	32	27	22	30	18	3	1	6	20	12	-2	4	10	14	16	20	-10	18.6
Williamson*	Maximum	45	45	40	34	47	52	55	58	54	53	38	43	39	49	54	45	41	45	43	38	24	34	34	35	31	23	20	30	28	27	36	40.0
	Minimum	29	29	24	25	7	17	20	42	45	35	26	21	28	34	36	36	33	35	25	22	6	6	18	28	21	7	1	1	16	20	-2	22.4

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO. Cleveland, 1-27-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIII   Parkersburg, W. Va., Year, 1935   No. 13

GENERAL SUMMARY

The annual mean temperature for the State, 53.0°, was slightly above the normal, while the average precipitation, 51.13 inches, was the second heaviest of State record. The snowfall averaged much above the normal, and was exceptionally heavy during December.

January, February, and March were warm, while the spring and early summer months were cool. The temperature was somewhat above the average during July and August, and late fall months. September was unusually cool. December was exceptionally cold, being the third coldest of State record.

Every month received more than the normal precipitation, except February and April, and the averages for those months were only somewhat below the normal. The rainfall during August was exceptionally heavy, and caused flood stages in the Tygart Valley and Little Kanawha rivers, and moderate stages in the Ohio River.

The spring months were unfavorable for farming operations, and planting was considerably retarded. The last killing frosts in the spring occurred generally late in April and the first in the fall, during the latter part of September, making the season of growth shorter than usual.

Cloudiness was much above normal. The sunshine at Parkersburg averaged 44 per cent. of the possible amount, or 2 per cent. below normal. The average at Elkins was 43 per cent., or 2 per cent. below normal.

The wind movement at Parkersburg was 54,167 miles, and at Elkins 52,423 miles.

THE WEATHER BY MONTHS

JANUARY.—A warm month. Precipitation averaged much above the normal, and was well distributed. The last decade of the month was cold, minimum temperatures were below zero during the last week, and ranged from near or slightly below zero in the extreme southern counties to 23° below in the northeastern districts. The snowfall was moderately heavy.

FEBRUARY.—The month was somewhat warmer and drier than usual. Zero temperatures were recorded in some of the northern and mountain districts on the 1st and 17th. The snowfall was much below the normal. The weather was generally favorable for farming activities and considerable plowing was done.

MARCH.—The month was the warmest March since 1921, and the fifth warmest of record Precipitation was unusually heavy in practically all districts. The snowfall was light and unimportant. The conditions were generally favorable for fruit, but farm work was much retarded by frequent rains.

APRIL.—The month was unusually cold, being the coldest April since 1928. The lowest temperature of record for so late in the season occurred at a number of stations on the 16th, when heavy to killing frosts were general, causing great damage to early fruit. The precipitation was practically normal.

MAY.—The month was cold, especially during the first and second decades, when heavy to killing frosts or freezing temperatures occurred. The frost damage was unimportant. The rainfall was generally near or considerably above the normal and quite well distributed. The continued wet weather greatly retarded farm work.

JUNE.—A cool, wet month. The rainfall occurred mostly during thundershowers and was unfavorably distributed. Heavy to excessive rains caused much local damage in scattered localities. On account of the continued cool, wet weather during the first half of the month, planting of corn was considerably retarded.

JULY.—The month was considerably warmer and slightly wetter than usual. Unusually heavy rains occurred during the first and last decades, the 24-hour amounts were the greatest of record for Elkins and Parkersburg. On account of the heavy rains, many fields of corn were damaged and many stacks of hay washed away by marked rises in the rivers and small streams.

AUGUST.—A warm, wet month. The average rainfall, 6.71 inches, was the third heaviest of August State record. The heavy rainfall caused considerable damage to crops over the Little Kanawha and Tygarts Valley watersheds. On account of the continued wet weather during the first half of the month, much grain was damaged in the shock.

SEPTEMBER.—The month was unusually cool, with light to heavy frosts on the 24th and 30th. Temperature readings on the morning of the 30th were the lowest of September record at a number of stations. The rainfall was somewhat heavy and unfavorably distributed throughout the month and over the State. Plowing and fall seeding progressed rapidly, and pastures and meadows were in good condition.

OCTOBER.—The temperature and rainfall averaged slightly above the normal. The first snow of the season occurred at most stations on the 6th. The precipitation was favorably distributed throughout the month and over the State. The weather was favorable for outdoor work, and plowing and seeding progressed rapidly; corn husking made good progress, and potato digging and threshing were completed. The freezing temperature caused little damage, as all crops had matured.

NOVEMBER.—The month was much warmer and slightly wetter than usual. The snowfall was light and unimportant in nearly all the agricultural sections, but moderate snow fell on two or three days in the mountain counties. Weather conditions were mostly favorable for farm work, and corn husking progressed rapidly. A slight earthquake shock was felt over most of the State on the 1st about 1:10 a. m.

DECEMBER.—The coldest December since 1917 and the third coldest of December State record. During the afternoon and evening of the 25th, a severe blizzard, following a windshift line, prevailed over the State, attended by high winds, zero temperatures and heavy snowfall. The average monthly snowfall, 20.5 inches, was the greatest of December State record. Navigable streams over the State were closed to navigation during the cold periods by being frozen or full of heavy floating ice. Thunderstorms occurred generally in the central counties on the 15th. The month was unfavorable for outdoor work.

EVAPORATION

Monthly evaporation (inches); wind movement (miles)

Name of Station		Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation	......	2.776	4.294	5.124	6.121	5.347	3.271	2.089	......
	Wind Movement	......	1,983	1,223	1,084	927	925	719	996	......

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature				Precipitation					Number of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest annual	Least annual	Average snowfall	With precip .01 inch or more	Clear	Partly Cloudy	Cloudy
1891...	52.0	−0.9	94	−9	45.96	+3.02	66.70	31.83	......	......	......	......	....
1892...	52.3	−0.6	99	−12	38.33	−4.61	48.76	32.60	......	......	......	......	....
1893...	52.0	−0.9	99	−25	39.82	−3.12	52.77	35.15	......	116	......	......	....
1894...	53.5	+0.6	103	−29	34.52	−8.42	49.85	26.63	......	102	155	114	96
1895...	51.5	−1.4	107	−21	32.82	−10.12	46.55	24.76	......	100	150	111	104
1896...	53.6	+0.7	97	−10	43.49	+0.55	60.82	26.26	......	111	132	128	106
1897...	53.5	+0.6	103	−18	41.59	−1.35	54.83	31.72	......	116	141	113	111
1898...	53.9	+1.0	103	−13	47.61	+4.67	66.05	38.21	20.6	117	133	129	103
1899...	53.0	+0.1	100	−35	40.97	−1.97	55.02	32.46	36.1	108	142	107	116
1900...	54.3	+1.4	104	−11	37.62	−5.32	50.32	27.67	30.6	114	135	116	114
1901...	52.0	−0.9	104	−11	44.78	+1.84	60.03	31.30	28.2	116	128	95	142
1902...	52.8	−0.1	104	−14	42.19	−0.75	58.83	29.52	49.1	112	128	118	119
1903...	52.2	−0.7	105	−19	40.55	−2.39	64.64	30.05	29.8	112	151	102	112
1904...	51.4	−1.5	98	−20	33.33	−9.61	50.60	20.22	31.7	111	148	110	108
1905...	52.3	−0.6	100	−22	45.53	+2.59	63.67	31.57	35.3	117	144	102	119
1906...	54.0	+1.1	101	−11	44.36	+1.42	70.28	32.35	40.2	130	134	101	130
1907...	52.1	−0.8	98	−23	**52.15**	+9.21	80.86	32.99	35.0	138	128	102	135
1908...	53.6	+0.7	101	−16	40.47	−2.47	64.83	29.91	38.0	116	155	110	101
1909...	53.0	+0.1	101	−10	43.02	+0.08	70.07	29.06	30.3	126	143	109	113
1910...	52.3	−0.6	98	−11	38.60	−4.34	68.83	27.44	47.4	118	140	103	122
1911...	54.5	+1.6	106	−5	47.13	+4.19	73.29	31.00	23.2	131	140	97	128
1912...	51.7	−1.2	100	−34	43.83	+0.89	76.33	25.70	33.9	124	159	81	126
1913...	54.1	+1.2	103	−4	48.29	+5.35	77.98	32.86	31.6	122	162	79	124
1914...	52.2	−0.7	106	−22	39.71	−3.23	59.95	27.42	67.7	116	153	81	131
1915...	52.7	−0.2	101	−8	44.14	+1.20	67.82	27.36	29.4	125	146	84	135
1916...	52.5	−0.4	104	−18	45.52	+2.58	69.56	26.23	43.9	121	157	92	117
1917...	**50.1**	−2.8	104	**−37**	43.56	+0.62	71.38	27.91	54.6	123	163	74	128
1918...	53.1	+0.2	110	−27	45.28	+2.34	77.07	31.05	37.7	122	160	83	122
1919...	54.0	+1.1	104	−16	47.89	+4.95	82.72	24.94	16.8	118	164	78	123
1920...	51.8	−1.1	99	−11	42.04	−0.90	60.40	28.99	25.7	120	147	75	144
1921...	**55.7**	+2.8	101	−10	45.46	+2.52	69.72	21.16	22.4	122	145	93	127
1922...	53.9	+1.0	100	−15	41.30	−1.64	62.71	19.21	25.8	117	164	68	133
1923...	52.8	−0.1	102	−20	45.04	+2.10	80.06	24.85	23.9	125	161	73	131
1924...	50.7	−2.2	104	−16	47.21	+4.27	72.31	23.29	36.1	129	154	79	133
1925...	52.8	−0.1	104	−27	40.57	−2.37	66.08	25.98	31.1	124	147	85	133
1926...	51.6	−1.3	107	−23	49.60	+6.66	**89.01**	29.25	49.4	139	126	81	158
1927...	53.7	+0.8	100	−14	49.14	+6.20	78.16	27.00	26.6	138	138	77	150
1928...	52.3	−0.6	103	−14	43.29	+0.35	73.41	19.01	45.8	134	136	82	148
1929...	52.7	−0.2	104	−19	46.77	+3.83	78.81	32.20	44.5	132	142	77	146
1930...	53.2	+0.3	**112**	−21	**25.43**	−17.51	44.76	**9.50**	34.2	107	164	79	122
1931...	54.7	+1.8	108	−10	42.36	−0.58	69.32	29.40	18.5	132	146	82	137
1932...	54.0	+1.1	106	−12	43.86	+0.92	67.11	32.91	16.5	119	163	82	121
1933...	54.4	+1.5	104	−12	48.65	+5.71	82.89	27.28	24.2	136	147	93	125
1934...	53.5	+0.6	107	−26	37.61	−5.33	57.99	22.68	37.8	113	163	86	116
1935...	53.0	+0.1	101	−23	51.13	+8.19	74.98	32.66	41.3	145	130	90	145
Period	52.9	......	112	−37	42.94	....	89.01	9.50	34.1	121	147	93	125

CLIMATOLOGICAL DATA FOR THE YEAR 1935

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	33	47.4	89	July 20	−15	Dec. 22	33	56.59	6.25	July	2.30	Feb.†	68.0	148	181	72	112	w.
Brandywine	Pendleton	1,586	20	51.3	96	Aug. 1	−18	Jan. 25	20	38.54	7.30	Aug.	1.40	Dec.	43.0	96	194	8	163	n.
Circleville	Pendleton	....	....	....	....	....	....	....	4	49.78	6.64	Aug.	2.12	Feb.	43.9	154	....	....	....	....
Kearneysville	Jefferson	548	5	53.4	99	Aug. 12	−18	Jan. 28	5	32.66	4.21	Sept.	1.62	Aug.	51.4	94	135	145	85	s.
Martinsburg	Berkeley	435	43	54.1	101	July 12†	−10	Jan. 28	45	33.11	4.32	Jan.	1.33	July	44.7	126	241	96	28	w.
McNeill	Hardy	900	3	52.4	98	Aug. 1	−23	Jan. 25	3	38.09	5.03	May	1.50	Feb.	40.5	118	64	101	200	w.
Piedmont	Mineral	1,053	20	51.3	93	July 20†	−6	Jan. 28	20	39.28	4.98	Jan.	1.37	Feb.	41.5	124	130	102	133	nw.
Romney	Hampshire	824	38	....	98	July 20	−14	Jan. 28	35	34.85	5.93	Aug.	1.71	Feb.	....	130	102[a]	122[a]	140[a]	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	16	47.93	6.47	May	1.81	Feb.	113.4	133	60	65	240	w.
Upper Tract	Pendleton	1,230	39	53.3	96	June 18	−12	Jan. 25	39	32.79	4.30	Aug.	1.45	Dec.	....	75	....	....	....	w.
Wardensville	Hardy	1,200	16	51.3	96	Aug. 1	−18	Jan. 28	18	36.61	5.03	Sept.	1.55	Dec.	48.7	125	....	....	....	n.
Northern Division																				
Aberdeen	Upshur	1,060	....	....	....	....	....	....	12	53.20	10.43	Aug.	2.24	Nov.	34.0	147	96	131	138	w.
Alma (near)	Tyler	800	....	....	....	....	....	....	9	47.70	9.88	Aug.	1.68	Feb	24.4	161	135	74	156	....
Alpena	Randolph	2,571	6	47.4	85	Aug. 12	−15	Jan. 25†	6	69.28	9.27	June	2.86	Feb.	127.2	175	134	119	112	w.
Benson	Harrison	1,080	13	51.9	94	July 20†	−15	Jan. 24†	13	52.23	7.92	Aug.	1.79	Feb.	45.9	153	....	....	....	....
Bens Run	Pleasants	622	35	53.3	97	July 20	−4	Dec. 31	35	46 33	9.12	Aug.	1.24	Sept.	36.3	135	....	....	....	....
Brownsville	Lewis	1,032	12	53.7	93	July 17†	−10	Jan. 24†	13	52.16	7.42	Aug.	1.95	Feb.	....	160	105	153	107	....
Buckhannon	Upshur	1,411	43	52.8	89	July 17†	−9	Jan. 24	46	57.64	9.49	Aug.	2.38	Nov.	40.5	141	154	103	108	....
Cairo	Ritchie	680	33	....	....	....	−11	Jan. 25	33	....	5.91	May	1.50	Nov.	....	....	....	....	....	....
Clarksburg	Harrison	1,015	13	52.1	95	July 20	−10	Jan. 25	13	49.42	10.57	Aug.	1.74	Nov.	30.7	157	102	113	150	w.
Crawford	Lewis	1,107	....	....	....	....	....	....	13	54.57	7.33	Aug.	2.40	Feb.	35.5	162	126	118	121	sw.
Creston	Wirt	640	35	54.0	96	July 12†	−11	Dec. 31	36	58.89	9.69	Aug.	2.09	Nov.	21.5	143	132	28	205	....
Dam 10 Mon. R.	Marion	826	....	....	....	....	....	....	14	40.01	5.17	May	1.52	July	27.0	152	....	....	....	....
Dam 13 O. R.	Ohio	655	....	....	....	....	....	....	20	43.42	7.97	Aug.	2.60	Oct.	....	154	....	....	....	....
Dam 15 Mon. R.	Monongalia	882	....	....	....	....	....	....	14	45.08	6.40	Aug.	1.90	Nov.	26.0	164	....	....	....	....
Davis	Tucker	3,093	....	....	....	....	....	....	26	74.11	10.62	Apr.	3.58	Feb.	139.7	171	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	26	54.38	8.51	Aug.	2.16	Feb.	36.5	152	....	....	....	....
Elkins	Randolph	1,947	37	50.5	90	Aug. 12	−11	Dec. 22	37	58.20	8.76	July	2.81	Feb.	59.0	198	57	111	197	w.
Fairmont	Marion	883	30	54.6	99	July 20	−4	Jan. 25	44	42.96	6.42	Aug.	1.88	Nov.	43.3	155	149	80	136	w.
Glenville	Gilmer	738	43	56.2	99	July 20†	−8	Jan. 24†	49	59.68	8.02	Aug.	2.11	Feb.	26.0	156	140	61	164	w.
Grafton	Taylor	1,000	42	53.3	94	July 20	−5	Jan. 24	44	57.27	9.10	Aug.	2.04	Nov.	25.5	116	....	....	....	....
Hastings	Wetzel	809	1	....	98	Aug. 4	−5	Dec. 22	1	50.51	7.22	Aug.	1.89	Nov.	17.5	156	139	69	157	w.
Horner	Lewis	1,044	....	....	....	....	....	....	13	52.32	7.42	June	2.36	Feb.	....	140	....	....	....	....
Horton	Randolph	2,840	....	....	....	....	....	....	11	49.06	6.73	Aug.	2.07	Feb.	61.7	145	144	82	139	nw.
Janelew (near)	Lewis	1,020	13	53.8	94	July 20	−15	Jan. 24	13	53.02	9.29	Aug.	2.03	Feb.	....	121	165	54	146	nw.
Lost Creek	Harrison	1,026	40	52.6	98	July 20	−16	Jan. 24	40	47.49	7.90	Aug.	1.55	Feb.	30.7	138	137	61	167	w.
Mannington	Marion	985	35	51.5	89	July 17†	−11	Jan. 25†	35	47.51	8.06	Aug.	2.17	Nov.	38.3	192	123	90	152	w.
Morgantown	Monongalia	1,250	43	....	92	Aug. 17	−4	Jan. 24	62	37.89	5.57	June	0.65	Nov.	34.0	111	174[f]	67[f]	118[f]	sw.
New Cumberland	Hancock	671	39	51.3	94	July 20	−5	Dec. 26	39	40.27	7.43	Aug.	1.54	Apr.	29.0	161	95	82	188	nw.
New Martinsville	Wetzel	634	43	54.6	99	July 20	−2	Jan. 24†	43	46.88	7.90	Aug.	1.84	Oct.	21.7	115	126	92	147	s.
Parkersburg	Wood	638	48	53.9	94	July 20†	−4	Jan. 28	48	50.34	10.42	Aug.	1.68	Feb.	24.2	156	87	103	175	se.
Parsons	Tucker	1,649	37	52.6	94	June 18†	−8	Jan. 25†	37	54.69	8.85	Aug.	1.88	Nov.	....	....	112	82	171	....
Parsons No. 2	Tucker	1,649	....	....	....	....	....	....	10	59.72	8.33	Aug.	2.49	Feb.	44.8	158	176	89	100	....
Philippi	Barbour	1,550	....	....	....	....	....	....	43	55.00	8.48	Aug.	2.20	July	25.6	155	....	....	....	....
Pickens	Randolph	2,697	46	49.0	88	July 19†	−13	Dec. 22	46	74.98	9.34	Mar.	4.25	Feb.	125.5	176	140[b]	107[b]	116[b]	w.
Reedsville	Preston	1,710	1	49.2	93	Aug. 12	−21	Jan. 25	1	51.19	6.42	Aug.	2.13	Nov.	75.5	148	199[b]	134[b]	30[b]	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	13	50.74	7.69	May	1.95	Feb.	35.0	138	140	61	164	....
Saint Marys	Pleasants	577	....	....	....	....	....	....	28	51.45	10.85	Aug.	2.20	Nov.	....	140	....	....	....	....
Thomas	Tucker	1,112	....	....	....	....	....	....	7	62.30	8.28	June	2.23	Nov.	81.4	160	....	....	....	....
Valley Chapel	Lewis	1,011	13	53.7	95	June 19	−10	Jan. 24	13	49.84	7.87	Aug.	2.35	July	45.4	157	108	151	106	nw.
Vandalia	Lewis	1,120	....	....	....	....	....	....	13	55.05	8.49	Aug.	2.51	Nov.	....	117	....	....	....	....
Wellsburg	Brooke	668	37	51.9	96	July 11	−9	Dec. 31	44	46.15	8.77	Aug.	2.01	Apr.	19.0	120	150	83	132	w.
West Milford	Harrison	979	....	....	....	....	....	....	11	56.46	9.96	Aug.	1.56	Nov.	....	105	....	....	....	....
Weston	Lewis	1,026	43	55.4	98	July 19†	−10	Jan. 24	48	52.16	8.87	Aug.	2.31	July	26.0	168	44	186	135	....
Wheeling (Dam 12)	Ohio	645	49	51.5	95	July 20	−2	Jan. 28	52	41.81	6.17	Aug.	2.10	Oct.	36.7	157	115	82	168	sw.
Woodlands	Marshall	637	....	....	....	....	....	....	10	38.58	5.33	May	1.97	July	28.1	133	129	68	168	sw.
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	11	51.63	6.58	Aug.	1.30	Oct.	59.4	148	129	104	132	w.
Bancroft	Putnam	574	35	56.7	98	July 12†	−4	Dec. 31	35	57.11	8.58	Aug.	2.17	Feb.	15.0	126	110	33	221	w.
Beckley	Raleigh	2,440	35	51.2	90	Aug. 12	−9	Dec. 31	39	57.41	9.84	Mar.	2.13	Sept.	28.6	189	75	166	124	....
Bluefield	Mercer	2,563	42	53.7	89	Aug. 12	−2	Jan. 24†	44	50.29	6.92	Mar.	1.78	Aug.	20.6	126	....	....	....	....
Camden-on-Gauley	Webster	2,029	....	....	....	....	....	....	17	57.90	7.67	Mar.	2.35	Sept.	....	178	....	....	....	....
Charleston	Kanawha	600	32	57.7	96	July 12	4	Dec. 31	32	51.28	6.75	May	2.05	Sept.	15.7	154	145	68	152	....
Clay	Clay	706	....	....	....	....	....	....	32	51.16	7.09	May	1.92	Sept.	....	163	....	....	....	....
Dam 3 G. K	Kanawha	....	....	....	....	....	....	....	2	49.73	6.37	Mar.	1.72	Sept.	....	163	....	....	....	....
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	11	47.48	6.99	Aug.	1.93	Nov.	....	133	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	19	48.57	10.97	Aug.	1.62	Feb.	....	147	....	....	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	19	49.73	7.63	Aug.	1.66	Feb.	....	144	....	....	....	....
Dam 25 O. R.	Mason	565	....	....	....	....	....	....	9	57.62	10.24	July	2.04	Feb.	....	136	....	....	....	....
Dam 26 O. R.	Mason	564	....	....	....	....	....	....	20	58.88	8.14	June	1.79	Feb.	....	148	....	....	....	....
Gary	McDowell	1,426	19	54.1	92	Aug. 12	−9	Dec. 31	19	53.30	7.80	Mar.	2.29	Oct.	....	166	....	....	....	....
Hinton	Summers	1,431	39	55.6	98	June 18	−1	Dec. 31	47	45.64	7.00	Mar.	2.00	Dec.	21.9	150	200	62	103	....
Huntington	Cabell	538	39	57.3	96	Aug. 1†	−2	Dec. 31	42	54.88	7.91	May	2.31	Feb.	34.8	159	64	163	138	sw.
Kanawha Falls	Fayette	618	....	....	....	....	....	....	17	54.59	6.99	May	1.97	Sept.	....	162	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	20	55.40	7.67	Mar.	2.39	Sept.	....	168	....	....	....	....
Logan	Logan	700	....	....	....	....	....	....	35	54.02	10.59	Mar.	1.17	Sept.	....	151	....	....	....	....
Madison	Boone	675	19	53.8	95	Aug. 12	−9	Dec. 31	25	49.77	7.90	Mar.	1.47	Feb.	....	132	159[a]	91[a]	114[a]	....
Point Pleasant	Mason	595	43	55.3	95	Aug. 3	−7	Dec. 31	47	59.86	8.55	July	2.30	Feb.	39.1	172	121	98	146	sw.
Rainelle	Greenbrier	2,424	6	50.0	90	Aug. 12†	−11	Dec. 31	6	58.25	9.38	Mar.	2.54	Oct.	72.0	194	127	39	199	....
Ravenswood (Dam 22)	Jackson	584	13	55.8	98	July 12	−10	Dec. 31	21	52.93	7.96	July	1.98	Feb	....	138	129	54	182	ne.
Richwood	Nicholas	2,193	6	51.9	94	Aug. 12	−7	Dec. 31	6	55.45	7.26	May	2.51	Sept.	81.2	191	101	129	135	nw.
Robertsburg	Putnam	570	36	54.8	96	July 18	−10	Dec. 31	36	51.52	7.42	May	2.18	Feb.	19.5	150	162	0	203	....
Ryan	Roane	700	34	51.0	95	July 11†	−20	Dec. 31	34	53.22	7.67	May	1.76	Sept.	33.5	169	134	83	148	....
Sharples	Logan	889	....	....	....	....	....	....	16	....	9.19	Mar.	1.05	Sept.	....	....	....	....	....	....
Spencer	Roane	784	39	54.5	94	July 12†	−9	Dec. 31	39	56.46	8.31	May	1.90	Sept.	33.0	145	98	104	163	....
Summersville	Nicholas	1,894	....	....	....	....	....	....	2	58.65	7.24	Mar.	2.34	Sept.	56.5	159	....	....	....	....
Sutton	Braxton	850	31	54.8	96	Aug. 12†	−4	Jan. 24†	35	60.57	11.45	Aug.	2.35	Feb.	68.0	151	203	8	154	....
Thornwood	Pocahontas	2,723	....	....	....	....	....	....	1	46.69	6.40	Aug.	0.87	Feb.	....	....	....	....	....	....
Wayne	Wayne	598	....	....	....	....	....	....	9	54.87	7.38	Mar.	2.54	Oct.	....	137	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	24	52.3	93	July 12†	−10	Dec. 31	24	51.61	8.40	July	1.25	Oct.	....	104	243	22	100	se.
Williamson	Mingo	660	36	56.3	96	Aug. 2†	−2	Dec. 31	36	53.40	11.87	Mar.	1.33	Sept.	15.3	157	99	134	132	
State averages and	extremes	....	....	53.0	101	July 12†	−23	Jan. 25	....	51.13	11.87	Mar.	0.65	Nov.	41.3	145	130	90	145	w.

[a] 1 day interpolated from nearby stations, [b] 2 days, etc. † And other dates

Monthly and Annual Mean Temperatures for the Year 1935, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	29.0	+0.2	30.2	+0.6	44.2	+6.5	42.9	−0.8	53.5	−2.9	62.0	−1.5	69.0	+1.4	66.6	+0.8	58.7	−2.2	50.0	+0.8	41.0	+1.9	22.3	−5.8	47.4	−0.1
Brandywine	30.8	−0.1	33.6	−1.1	48.4	+7.0	47.6	−2.3	57.7	−0.9	67.6	+0.6	71.4	+0.1	72.0	+2.1	63.6	−1.1	53.0	−0.3	44.2	+2.2	26.2	−8.0	51.4	−0.1
Kearneysville	30.0	.....	32.9	.....	47.8	.....	49.9	.....	59.1	.....	70.2	.....	77.9	.....	74.5	.....	64.3	.....	56.1	.....	48.0	.....	29.6	.....	53.4	.....
Martinsburg	[a]30.4	−0.6	[a]32.8	+1.4	[a]46.8	+5.2	[a]50.8	−0.8	[a]60.6	−2.2	[a]71.8	+0.8	[a]80.2	+4.5	[a]76.8	+3.8	[a]64.8	−2.1	[a]56.6	+1.9	[a]47.7	+4.5	[a]30.4	−3.6	54.1	+1.1
McNeill	31.6	−1.4	33.7	−0.6	48.8	+4.2	48.6	−4.2	58.3	−4.9	68.1	−2.7	75.6	+1.0	72.2	+1.3	64.2	−3.6	54.0	−2.1	46.6	+1.9	27.4	−7.2	52.4	−1.5
Piedmont	29.6	−1.3	31.0	−2.8	46.2	+5.0	48.8	−1.6	57.6	−2.4	67.4	−0.7	74.5	+2.2	72.0	+1.5	63.2	−2.8	53.6	+0.2	45.0	+2.8	26.6	−6.4	51.3	−0.5
Romney	30.2	−1.3	33.6	−0.6	46.9	+4.5	.....	.....	[e]59.3	−3.6	69.5	−0.4	76.6	+1.7	73.6	+1.0	65.3	−1.5	56.0	+1.1	48.6	+5.5	28.8	−5.7	.....	.....
Upper Tract	[f]30.8	−1.9	[k]33.9	+0.4	[c]48.4	+6.1	[a]46.9	−2.5	[a]55.8	−4.5	[b]69.6	+2.2	[c]77.2	+5.5	[c]77.4	+7.2	65.6	+0.3	[a]55.9	+1.6	[d]48.7	+4.9	29.6	−4.0	53.3	+1.3
Wardensville	30.9	−0.1	31.6	−2.2	[b]46.6	+4.7	[a]46.5	−3.1	[d]57.3	−2.1	[a]67.0	+1.5	74.6	+4.0	[b]71.6	+2.1	[d]62.3	−1.9	[c]52.6	0.0	[d]46.4	+2.5	27.7	−6.0	51.3	0.0
Northern Division																										
Alpena	30.2	.....	30.0	.....	43.7	.....	42.9	.....	53.3	.....	61.1	.....	68.6	.....	65.8	.....	60.0	.....	49.7	.....	41.4	.....	22.2	.....	47.4	.....
Benson	32.9	−1.2	[f]34.8	−3.2	48.1	+7.8	48.6	−4.0	58.2	−2.6	67.4	−0.8	74.4	+1.9	71.7	+1.0	[n]61.8	−5.1	52.4	−0.5	45.4	+2.3	27.3	−8.9	51.9	−1.1
Bens Run	33.2	+0.3	34.2	+1.4	48.2	+4.7	49.5	−3.3	58.4	−4.6	69.8	−1.0	77.8	+2.7	74.9	+1.3	66.0	−2.4	54.8	−1.8	46.2	+2.1	[l]26.3	−8.5	53.3	−0.8
Brownsville	35.1	+0.5	36.6	−1.0	51.0	+9.1	50.6	−1.7	60.4	−1.2	69.6	+0.1	75.6	+1.8	72.2	0.0	64.0	−3.6	53.6	−1.0	47.0	+2.4	28.4	−8.2	53.7	−0.2
Buckhannon	34.6	+2.1	36.4	+3.3	49.2	+7.3	50.0	−1.1	59.2	−1.9	67.8	−0.6	74.2	+2.4	72.2	+2.3	63.4	−1.1	53.0	−0.8	45.4	+3.2	27.6	−6.6	52.8	+0.7
Cairo	34.2	−0.2	36.1	+1.9	48.6	+4.3	51.4	−2.6	[a]58.6	−4.5	.....	.....	.....	.....	.....	.....	.....	.....	[n]57.0	+1.2	[b]46.6	+2.9	.....	.....	.....	.....
Clarksburg	31.8	−0.8	33.2	+1.4	47.6	+7.9	49.6	−1.6	58.4	−1.9	68.6	−0.8	75.9	+2.1	72.8	+0.8	64.2	−3.3	53.0	−0.4	44.1	+1.3	26.2	−9.0	52.1	−0.4
Creston	33.8	−0.3	35.2	+0.5	50.0	+6.0	51.1	−2.3	61.2	−1.9	69.8	−0.9	77.4	+2.7	75.4	+2.3	65.8	−2.0	55.6	−1.1	46.0	+1.8	27.2	−8.1	54.0	−0.3
Elkins	31.6	+1.5	33.8	+2.2	47.1	+7.1	46.0	−2.8	56.4	−2.8	65.2	−1.7	72.6	+2.3	70.0	+0.9	62.6	−0.5	51.7	−0.6	44.2	+3.9	24.8	−7.9	50.5	+0.1
Fairmont	33.8	+1.6	34.5	+1.4	49.8	+8.3	51.8	0.0	61.2	−0.9	71.3	+1.0	79.0	+4.7	75.2	+2.5	66.8	−0.6	56.6	+1.5	47.4	+4.5	28.2	−5.8	54.6	+1.5
Glenville	35.8	+2.0	38.3	+3.7	52.1	+7.4	52.8	−1.1	62.6	−1.0	71.9	+0.8	79.4	+4.1	77.0	+3.1	69.0	+0.5	57.4	+1.2	48.0	+3.7	29.8	−6.1	56.2	+1.6
Grafton	35.1	+2.5	35.6	+3.0	49.2	+7.7	48.9	−2.6	59.2	−2.3	68.4	−0.7	76.4	+3.8	72.8	+1.4	64.4	−2.7	55.2	0.0	46.7	+3.6	28.0	−6.2	53.3	+0.6
Hastings	36.2	.....	37.8	.....	51.2	.....	52.1	.....	63.3	.....	.....	.....	.....	.....	78.8	.....	69.4	.....	60.1	.....	48.8	.....	31.8	.....	.....	.....
Janelew	34.8	−0.5	36.1	−2.0	50.3	+7.9	50.1	−1.8	60.0	0.0	69.3	−0.2	76.2	+2.2	73.6	+1.5	65.9	−1.7	54.6	−0.5	46.6	+1.8	27.9	−9.2	53.8	−0.2
Lost Creek	32.6	−0.3	34.7	+2.0	48.8	+6.4	48.4	−2.2	56.8	−3.6	66.8	−0.8	75.4	+3.2	73.0	+2.3	65.4	0.0	55.6	+1.4	46.2	+3.6	27.2	−7.2	52.6	+0.4
Mannington	32.4	+0.5	34.2	+1.4	47.8	+5.5	48.5	−2.6	57.7	−2.7	66.6	−1.2	73.8	+2.0	71.0	+0.8	62.0	−2.9	52.4	−1.2	45.0	+3.0	26.9	−6.7	51.5	−0.3
Morgantown	30.5	−1.8	34.1	+1.3	[c]49.2	+7.1	48.1	−3.6	55.7	−6.4	[a]68.4	−0.9	[a]76.6	+3.1	74.8	+2.8	63.3	−4.2	49.8	−5.4	.....	.....	24.5	−9.9	.....	.....
New Cumberland	30.4	+1.8	[a]31.4	+2.3	45.2	+5.8	48.0	−1.2	56.1	−4.1	68.2	0.0	76.2	+3.2	72.4	+1.6	63.1	−2.4	52.3	−1.7	44.6	+3.0	27.8	−3.9	51.3	+0.4
New Martinsville	34.4	+1.3	36.0	+2.5	50.0	+6.7	50.6	−2.5	60.2	−2.8	70.4	−0.7	78.6	+3.4	75.1	+1.3	67.2	−1.3	56.4	−0.4	47.3	+2.5	28.6	−6.7	54.6	+0.3
Parkersburg	33.4	+0.9	35.2	+1.0	50.4	+7.6	51.4	−2.0	59.7	−4.1	69.8	−1.6	77.6	+2.2	74.2	+0.3	65.8	−1.5	55.7	−0.4	45.7	+1.9	28.2	−7.0	53.9	−0.3
Parsons	34.0	−0.5	36.0	+4.3	48.6	+8.1	48.4	−0.8	58.2	−0.6	67.6	+0.7	75.2	+4.4	72.2	+2.8	64.8	+1.1	[g]54.4	+2.9	46.2	+5.0	26.1	−6.2	52.6	+1.8
Pickens	32.4	+1.5	33.6	+0.9	[a]44.6	+5.4	45.3	−2.8	54.7	−3.4	63.1	−1.8	69.5	+0.9	67.4	+0.9	[a]60.4	−1.4	51.6	−0.1	42.0	+1.6	22.8	−9.4	49.0	−0.6
Reedsville	30.4	.....	30.5	.....	45.2	.....	45.0	.....	[b]55.6	.....	[b]64.4	.....	72.0	.....	69.6	.....	60.8	.....	50.9	.....	42.2	.....	23.8	.....	49.2	.....
Terra Alta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[j]53.8	+4.8	[d]40.9	+0.3	[l]22.7	−7.9	.....	.....
Valley Chapel	34.5	−0.6	35.8	−2.7	50.1	+7.6	51.2	−1.9	59.8	−1.8	69.4	−0.2	76.1	+2.1	73.0	+0.5	65.2	−2.8	55.2	−0.2	45.9	+0.9	28.0	−7.5	53.7	−0.6
Wellsburg	32.2	+2.0	32.6	+2.6	47.4	+7.6	48.3	−1.6	56.8	−3.4	67.9	−0.1	76.0	+3.8	73.4	+3.1	64.0	−0.9	52.6	−0.9	44.7	+2.9	26.5	−5.9	51.9	+0.8
Weston	36.4	+2.3	37.8	+3.9	52.6	+8.8	52.8	0.0	60.9	−1.8	70.2	−0.2	78.2	+3.8	75.6	+2.9	67.9	+0.6	56.6	+1.1	47.6	+3.6	28.4	−7.4	55.4	+1.5
Wheeling (Dam 12)	29.9	−0.5	30.6	−1.5	44.2	+3.7	48.0	−3.6	56.9	−4.9	69.3	−1.3	76.9	+2.1	73.6	+0.8	63.8	−3.6	52.9	−2.0	44.6	+2.4	27.2	−5.8	51.5	−1.2
Southern Division																										
Bancroft	37.0	+2.7	39.0	+4.1	52.4	+8.6	54.0	−0.5	62.8	0.0	[a]72.8	+2.1	78.8	+4.1	77.1	+4.0	69.2	+0.8	58.6	+2.0	48.6	+4.9	30.1	−5.3	56.7	+2.2
Beckley	33.2	0.0	35.2	+0.3	47.4	+4.7	47.3	−2.9	57.5	−2.3	64.8	−5.1	71.2	+0.6	70.4	+0.5	63.0	−0.2	54.4	+0.5	44.2	+0.9	25.2	−9.1	51.2	−1.0
Bluefield	[e]36.0	+1.1	[d]38.1	+5.3	[e]49.6	+5.2	[d]50.8	−2.8	[e]60.0	−1.6	[e]67.7	−2.4	[f]73.0	+1.4	[d]72.2	+1.7	[g]65.2	−1.1	[d]56.7	+2.0	[e]46.8	+2.9	[e]27.8	−9.1	53.7	+0.2
Charleston	37.1	−0.8	40.3	+1.1	54.2	+6.8	55.8	−0.5	64.1	−1.3	72.7	−0.4	79.0	+2.1	77.2	+1.9	69.3	−1.6	59.0	+0.1	51.0	+3.1	32.2	−7.4	57.7	+0.3
Gary	[b]37.2	+2.1	37.4	−0.5	49.1	+6.6	51.4	−2.0	61.4	+0.3	68.6	−0.7	74.4	+1.3	73.4	+1.4	66.6	−1.9	55.0	−0.6	46.6	+1.6	28.6	−9.2	54.1	−0.1
Hinton	36.2	+1.7	37.8	+2.3	48.4	+4.3	52.2	−1.0	63.0	−0.4	72.0	+1.5	77.8	+3.4	76.3	+3.0	68.6	+0.6	57.8	+0.8	47.9	+3.8	28.9	−6.9	55.6	+1.1
Huntington	37.3	+3.3	40.1	+5.4	54.0	+9.0	54.8	+0.2	63.4	−1.3	72.1	−0.8	79.4	+2.8	77.8	+3.0	69.6	+0.6	59.3	+2.9	48.8	+4.5	31.0	−4.6	57.3	+2.1
Lewisburg	.....	.....	.....	.....	47.4	+5.3	.....	.....	62.0	+1.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Madison	35.8	−0.8	36.4	+2.8	49.4	+6.7	47.5	−6.8	60.4	−3.4	[a]68.6	−3.7	76.8	+2.0	74.8	+0.4	[a]66.7	−1.0	56.6	+1.0	45.8	+3.3	27.2	−7.8	53.8	−0.6
Marlinton	29.0	+1.0	29.0	−2.8	48.8	+10.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Point Pleasant	35.4	+1.3	37.6	+4.2	52.0	+6.8	53.0	−1.9	61.2	−3.5	69.9	−2.5	77.7	+1.3	75.6	+0.9	66.6	+0.7	57.0	−0.2	48.0	+2.7	30.0	−5.8	55.3	+0.3
Rainelle	31.6	.....	33.4	.....	45.4	.....	46.6	.....	56.5	.....	[f]63.6	.....	71.0	.....	69.9	.....	62.2	.....	51.7	.....	43.2	.....	24.6	.....	50.0	.....
Ravenswood (Dam 22)	37.0	+1.6	38.8	0.0	52.0	+8.7	54.5	+0.7	62.0	+0.1	70.2	−0.3	77.3	+2.1	75.4	+2.5	66.8	−2.6	57.8	+1.5	48.4	+2.7	29.9	−8.0	55.8	+0.8
Richwood	34.2	.....	34.1	.....	47.2	.....	48.2	.....	57.7	.....	66.4	.....	72.0	.....	72.0	.....	63.6	.....	53.0	.....	45.6	.....	28.7	.....	51.9	.....
Robertsburg	34.7	+1.4	35.8	+1.7	50.3	+6.4	53.0	0.0	61.0	−2.2	71.0	−0.2	77.8	+2.4	75.2	+1.3	66.7	−1.7	56.4	−0.2	46.8	+3.2	29.2	−5.5	54.8	+0.6
Ryan	29.9	−3.1	33.0	−1.3	47.2	+4.4	47.9	−4.1	57.0	−4.2	[a]66.6	−2.2	74.0	+0.9	71.8	+0.1	64.0	−0.6	54.4	+1.7	43.6	+0.2	22.3	−12.3	51.0	−1.7
Spencer	35.8	+2.1	35.6	+0.4	51.5	+8.6	51.6	−1.2	60.0	−2.0	69.6	−0.1	[a]76.8	+3.2	74.4	+2.1	[a]66.6	+0.1	56.0	+1.1	46.8	+2.7	29.2	−7.3	54.5	+0.8
Sutton	35.6	+1.3	38.4	+2.3	51.0	+6.8	51.0	−1.8	60.4	−2.9	69.4	−1.9	76.5	+1.7	74.6	+1.5	67.8	−0.9	56.4	−0.3	47.9	+3.9	28.8	−6.4	54.8	+0.3
Union	[d]33.8	+0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White Sulphur Springs	30.8	−1.3	32.8	−2.7	48.4	+5.8	50.6	−0.8	60.1	−0.4	67.6	−0.4	74.0	+2.4	72.6	+2.3	64.4	−0.5	54.0	+1.6	[a]45.5	+3.4	26.9	−6.2	52.3	+0.3
Williamson	38.8	+2.8	39.0	+1.6	50.3	+3.6	53.6	−1.9	61.4	−3.6	70.2	−2.4	78.8	+2.7	77.2	+2.4	68.2	−1.5	57.7	−0.1	49.0	+3.4	31.2	−6.4	56.3	+0.1

Reference letters indicate number of days missing; [a] one day, [b] two days, etc.

KILLING FROSTS

Station	Last in Spring	First in Autumn	Station	Last in Spring	First in Autumn
Alpena	May 26	Sept. 30	Martinsburg	April 26	Oct. 5
Bancroft	April 16	Oct. 7	McNeill	May 19	Sept. 30
Bayard	May 25	Sept. 30	Morgantown	May 4	Sept. 30
Beckley	May 1	Sept. 30	New Cumberland	April 18	Oct. 5
Benson	May 19	Sept. 30	New Martinsville	April 18	Oct. 4
Bens Run	April 18	Oct. 7	Parkersburg	April 18	Oct. 4
Bluefield	April 17	Oct. 5	Parsons	April 26	Sept. 29
Brandywine	May 19	Sept. 30	Pickens	May 25	Sept. 30
Brownsville	May 1	Sept. 30	Piedmont	April 17	Sept. 30
Buckhannon	April 18	Sept. 30	Point Pleasant	April 18	Oct. 7
Cairo	May 2	....	Rainelle	May 26	Sept. 30
Charleston	April 15	Oct. 7	Ravenswood	May 1	Oct. 5
Clarksburg	May 1	Sept. 30	Reedsville	May 24	Sept. 30
Creston	May 1	Sept. 30	Richwood	May 1	Sept. 30
Elkins	April 26	Oct. 5	Robertsburg	April 18	Oct. 5
Fairmont	April 17	Oct. 5	Romney	April 27	Sept. 30
Gary	April 17	Oct. 6	Ryan	May 1	Sept. 30
Glenville	May 1	Oct. 5	Spencer	April 18	Sept. 30
Grafton	April 23	Sept. 30	Sutton	May 19	Oct. 5
Hastings	May 2	Oct. 9	Upper Tract	April 26	Sept. 30
Hinton	April 17	Oct. 7	Valley Chapel	May 19	Sept. 30
Huntington	April 17	Oct. 7	Wardensville	May 12	Sept. 30
Janelew	May 1	Sept. 30	Wellsburg	May 24	Sept. 30
Kearneysville	April 16	Sept. 30	Weston	April 18	Sept. 30
Lost Creek	May 1	Sept. 30	Wheeling (Dam 12)	May 18	Oct. 5
Madison	April 25	Sept. 30	White Sulphur Spgs.	April 17	Sept. 30
Mannington	May 1	Sept. 30	Williamson	April 17	Oct. 7

MONTHLY STATE DATA FOR 1935

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January	33.3	+0.6	74	−23	4.48	+0.86	9.7	12	11	5	15	w.
February	34.9	+1.7	70	−9	2.33	−0.79	5.3	10	6	6	16	w.
March	48.7	+6.3	86	10	5.51	+1.59	1.8	14	9	8	14	w.
April	49.8	−2.0	92	13	3.45	−0.06	2.7	13	9	7	14	w.
May	59.2	−2.4	92	26	6.07	+2.05	0.0	13	12	7	12	w.
June	68.4	−1.2	98	32	5.20	+0.83	......	14	11	11	8	w.
July	75.6	+2.5	101	46	4.61	+0.04	......	11	14	11	6	w.
August	73.2	+1.6	101	33	6.71	+2.63	......	12	12	12	7	w.
September	65.0	−1.5	94	22	3.30	+0.36	......	8	18	5	7	w.
October	54.7	+0.1	90	15	3.01	+0.23	0.2	9	16	8	7	w.
November	46.0	+2.8	88	2	2.80	+0.03	1.1	12	8	5	17	w.
December	27.5	−7.9	62	−20	3.66	+0.32	20.5	17	4	5	22	w.
Annual	53.0	+0.1	101	−23	51.13	+8.19	41.3	145	130	90	145	w.

Monthly and Annual Precipitation for the Year 1935, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	6.16	+1.30	2.30	−1.46	4.58	+0.05	3.68	−0.36	5.97	+1.43	5.79	+0.34	6.25	+1.38	5.95	+1.11	5.62	+1.91	2.61	−1.13	2.30	−0.86	5.38	+1.25	56.59	+4.96
Brandywine	4.30	+2.28	1.62	−0.18	2.67	+0.12	2.95	−0.10	3.45	+0.69	2.55	−0.82	2.15	−1.23	7.30	+4.16	4.50	+2.15	2.00	−0.34	3.65	+1.78	1.40	−0.36	38.54	+8.15
Circleville	4.97	......	2.12	......	5.10	......	3.09	......	6.24	......	3.70	......	5.04	......	6.64	......	3.91	......	2.46	......	3.61	......	2.90	......	49.78	......
Harpers Ferry	......	......	......	......	......	......	......	......	2 14	−1.52	3.91	+0.26	6.99	+3.56	3.70	−0.02	6.05	+3.35	3.33	+0.23	3.05	+0.76	2.29	−0.19	......	......
Kearneysville	3.85	......	1.83	......	2.81	......	2.49	......	2.42	......	3.21	......	2.54	......	1.62	......	4.21	......	2.54	......	2.88	......	2.26	......	32.66	......
Martinsburg	4.32	+1.82	1.57	−0.92	2.09	−1.14	2.03	−1.14	2.54	−1.00	3.99	−0.08	1.33	−2.30	2.09	−1.68	3.45	+0.63	2.29	−0.63	3.82	+1.52	3.59	+0.92	33.11	−4.00
McNeill	3.64	+1.35	1.50	−0.77	2.53	−0.10	3.33	+0.38	5.03	+1.59	4.14	+0.37	2.40	−0.89	4.12	+0.97	4.28	+1.78	2.25	−0.04	3.29	+1.67	1.58	−0.50	38.09	+5.81
Piedmont	4.98	+2.55	1.37	−1.03	1.83	−1.13	2.53	−0.89	3.89	+0.39	4.37	+0.85	4.35	+1.01	4.37	+0.93	4.56	+2.31	2.26	−0.56	1.96	−0.12	2.81	+0.54	39.28	+4.85
Romney	2.98	+0.65	1.71	−0.33	2.26	−0.55	1.96	−0.96	3.02	−0.62	3.44	−0.53	1.84	−1.64	5.93	+2.29	4.75	+2.03	2.15	−0.45	2.96	+1.09	1.85	−0.43	34.85	+0.55
Stony River Dam	4.68	+1.87	1.81	−1.04	3.23	−0.12	4.24	+0.49	6.47	+1.87	4.80	+0.78	3.84	−0.30	3.97	−0.61	4.17	+1.39	4.16	+0.96	2.61	−0.34	3.95	+0.71	47.93	+5.66
Upper Tract	2.21	+0.11	1.63	−0.03	2.33	+0.16	3.10	+0.80	3.56	+0.71	2.29	−1.22	1.81	−1.61	4.30	+1.06	4.06	+1.77	1.91	−0.31	4.14	+2.61	1.45	−0.33	32.79	+3.72
Wardensville	3.67	+1.54	1.74	+0.03	1.65	−0.55	4.53	+2.02	2.99	+0.03	2.58	−0.42	4.00	+0.90	3.82	+0.19	5.03	+2.44	2.13	−1.03	2.92	+1.29	1.55	−0.19	36.61	+6.25
Northern Division																										
Aberdeen	4.90	+1.50	2.33	−0.77	4.99	+1 20	3.24	−0.56	6.14	+2.27	5.37	+1.01	2.37	−2.42	10.43	+5.95	3.67	+0.36	3.47	−0.07	2.24	−1.10	4.05	+1.05	53.20	+8.42
Alma (near)	4.06	......	1.68	......	3.37	......	2.98	......	5.95	......	5.16	......	3.44	......	9.88	......	3.31	......	2.89	......	1.96	......	3.02	......	47.70	......
Alpena	7.68	......	2.86	......	6.86	......	3.92	......	6.55	......	9.27	......	6.61	......	7.65	......	3.65	......	3.88	......	3.99	......	6.36	......	69.28	......
Benson	4.41	+0.80	1.79	−1.92	4.89	+1.43	2.94	−0.27	6.16	+2.23	5.02	+0.71	3.82	−1.33	7.92	+3.47	4.83	+1.20	3.56	0.00	2.70	−0.79	4.19	+0.70	52.23	+6.23
Bens Run	4.02	+0.02	1.60	−1.52	3.79	−0 22	3.42	−0.29	5.56	+1.50	3.34	−0.93	4.91	+0.39	9.12	+4.82	1.24	−1.34	3.31	+0.30	1.56	−1.35	4.46	+0.86	46.33	+2.24
Brownsville	4.93	+1.34	1.95	−1.12	4.90	+1.43	2.89	−0.47	6.45	+2.22	6.61	+2.30	3.34	−1.46	7.42	+3.15	3.95	+0.20	3.19	−0.23	2.77	−0.90	3.76	+0.44	52.16	+6.90
Buckhannon	5.10	+0.81	2.78	−1.12	6.11	+1.59	3.10	−1.08	6.00	+1.46	7.13	+2.14	4.32	−0.84	9.49	+5.37	2.77	−0.36	3.54	+0.22	2.38	−1.11	4.92	+0.84	57.64	+7.92
Cairo	4.24	+0.10	1.65	−1.55	5.51	+1.54	3.28	−0.23	5.91	+2.49	......	......	......	......	......	......	......	......	......	......	1.50	−1.42	......	......	......	......
Clarksburg	4.32	+1.01	2.16	−0.88	4.11	+1.09	2.64	−0.73	4.89	+1.21	5.26	+0.99	2.39	−1.69	10.57	+6.09	4.70	+1.10	3.24	+0.11	1.74	−1.45	3.40	+0.32	49.42	+7.17
Crawford	5.28	+1.80	2.40	−0.92	5.51	+1.18	3.61	−0.62	7.72	+3.23	5.05	+0.28	4.06	−1.08	7.33	+2.75	3.00	−0.74	3.86	+0.37	2.50	−1.14	4.25	+0.66	54.57	+5.77
Creston	4.60	+0.78	2.18	−0.91	5.59	+1.70	4.35	+0.56	6.84	+3.05	7.48	+3.17	5.28	+1.04	9.69	+5.77	2.23	−0.37	4.41	+1.25	2.09	−0.67	4.15	+0.71	58.89	+16.08
Dam 10, Mon. R	4.17	+0.98	2.74	−0.13	4.29	+0.52	3.35	−0.12	5.17	+1.10	4.45	+0.11	1.52	−2.56	5.05	+0.99	2.27	−1.25	2.08	−1.09	1.99	−1.16	2.93	−0.49	40.01	−3.10
Dam 13, O. R	3.06	+0.01	3.29	+0.91	2.89	−0.23	2.94	−0.22	3.79	+0.33	4.49	+0.99	2.84	−1.27	7.97	+3.98	3.31	−0.13	2.60	−0.30	2.61	−0.26	3.63	+0.77	43.42	+4.58
Dam 15, Mon. R	4.49	+1.17	2.57	−0.42	3.98	+0.57	3.64	+0.35	4.99	+1.39	5.37	+1.38	3.47	−0.46	6.40	+2.27	2.56	−0.63	2.74	−0.50	1.90	−1.39	2.97	−0.16	45.08	+3.57
Davis	7.53	+2.48	3.58	−0.69	6.68	+2.12	10.62	+6.36	6.64	+1.91	7.13	+1.86	6.38	+1.16	6.41	+1.39	4.19	+0.37	4.55	+0.53	4.86	+1.59	5.54	+0.65	74.11	+19.73
Elizabeth	2.94	−1.03	2.16	−0.71	5.63	+1.92	2.82	−0.48	7.26	+3.77	7.61	+3.45	4.22	−0.46	8.51	+3.92	2.72	−0.06	4.22	+0.84	2.39	−0.42	3.90	+0.59	54.38	+11.33
Elkins	5.42	+1.64	2.81	−0.27	5.91	+2.11	3.04	−0.58	6.42	+2.37	6.19	+1.13	8.76	+3.38	5.61	+1.75	3.05	−0.10	3.94	+1.03	3.21	+0.43	3.84	+0.38	58.20	+13.27
Fairmont	3.51	−0.28	2.19	−0.89	3.82	+0.01	3.19	−0.12	4.99	+1.09	5.16	+0.80	3.20	−1.26	6.42	+2.63	2.85	+0.02	2.58	−0.33	1.88	−0.99	3.17	−0.25	42.96	+0.43
Glenville	5.82	+1.61	2.11	−1.60	6 04	+1.88	4.24	+0.48	7.32	+3.16	5.57	+1.10	4.95	−0.29	8.02	+3.82	2.96	−0.39	4.01	+0.87	3.34	+0.15	5.30	+1.65	59.68	+12.44
Grafton	4.89	+0.92	2.30	−0.85	6.77	+2.84	3.81	+0.12	6.93	+2.89	4.56	+0.12	3.86	−0.90	9.10	+5.07	5.53	+2.65	3.41	+0.24	2.04	−0.95	4.07	+0.56	57.27	+12.71
Hastings	4.83	......	2.32	......	5.11	......	3.40	......	6.92	......	4.61	......	5 04	......	7.22	......	2.55	......	3 07	......	1.89	......	3.55	......	50.51	......
Horner	4.64	+0.61	2.36	−0.29	4.97	+1.21	2.76	−0.60	4.49	−0.18	7.42	+3.12	4.02	−0.37	7.24	+2.36	3.20	−0.33	3.01	−0.68	3.06	−0.73	5.15	+1.62	52.32	+5.74
Horton	4.44	+1.04	2.07	−0.96	4.47	+0.72	3.11	−0.56	5.51	+1.40	5.94	+0.88	2.29	−2.10	6.73	+2.10	5.67	+3.03	3.02	+0.38	3.25	+0.09	2.56	−1.03	49.06	+4.99
Janelew	4.93	+1.67	2.03	−0.74	5.19	+1.93	3.65	0.00	6.39	+1.79	5.26	+1.19	3.43	−1.51	9.29	+4.44	3.10	−0.14	3.74	+0.42	2.43	−0.89	3.58	+0.50	53.02	+8.66
Lost Creek	4.47	+0.67	1.55	−1.56	4.43	+0.53	2.45	−0.95	6.52	+2.38	3.86	−0.49	2.39	−2.27	7.90	+3.74	5 04	+2.06	3.57	+0.69	2.00	−0.83	3.31	−0.21	47.49	+3.76
Mannington	4.83	+0.70	2.51	−0.38	4.39	+0.62	3.71	+0.05	5.78	+1.88	3.80	−0.30	3.74	−0.87	8.06	+4.09	2.48	−0.89	2.39	−0.63	2.17	−0.69	3.65	+0.20	47.51	+3.78
Morgantown	3.09	−0.53	2.98	−0.02	3.19	−0.31	3.50	+0.28	5.15	+1.52	5.57	+1.09	1.15	−3.62	4.78	+0.64	2.70	−0.44	2.21	−0.90	0.65	−2.29	2.92	−0.21	37.89	−4.79
New Cumberland	2.61	−0.23	2.39	−0.05	3.36	+0.12	1.54	−1.74	3.98	+0.58	5.96	+1.41	3.11	−0.97	7.43	+4.04	2.90	−0.01	2.84	+0.12	1.62	−0.70	2.53	−0.23	40.27	+2.34
New Martinsville	2.52	−1.30	2.58	−0.38	3.81	+0.16	2.88	−0.61	6.60	+2.95	4.05	−0.03	5.12	+0.43	7.90	+4.22	2.56	−0.33	1.84	−1.11	1.87	−1.03	5.15	+1.63	46.88	+4.60
Parkersburg	2.71	−0.87	1.68	−1.45	4.20	+0.71	2.17	−1.02	6.41	+3.03	4.06	+0.06	6.44	+2.15	10.42	+6.91	4.48	+1.72	2.75	+0.27	1.78	−0.79	3.24	+0.21	50.34	+10.93
Parsons	5.63	+1.02	2.00	−1.52	6.16	+1.95	2.71	−1.05	5.28	+1.15	6.97	+1.98	5.76	+0.67	8.85	+4.80	2.70	−0.45	2.90	−0.37	1.88	−1.05	3.85	−0.20	54.69	+6.93
Parsons (No. 2)	5.21	+0.60	2.49	−1.03	5.26	+1.05	3.21	−0.55	6.67	+2.54	7.05	+2.06	6.49	+1.40	8.33	+4.28	4.60	+1.45	4.02	+0.75	2.67	−0.26	3.72	−0.33	59.72	+11.96
Philippi	6 85	+2.77	2.87	−0.48	5.29	+1.18	3.32	−0.63	6.26	+1.89	5.40	+0.36	2.20	−2.84	8.48	+4.31	4.88	+1.50	3.30	+0.24	2.21	−0.86	3.94	+0.13	55.00	+7.57
Pickens	5.61	−0.77	4.25	−1.06	9.34	+3.32	5.19	+0.02	7.63	+2.21	6.47	+0.30	4.71	−1.68	8.66	+3.16	4.30	+0.14	4.75	+0.51	5.33	+1.13	8.74	+3.28	74.98	+10.56
Reedsville	4.28	......	4.14	......	4.05	......	3.11	......	5.56	......	5.30	......	5.54	......	6.42	......	3.17	......	2.84	......	2.13	......	4.65	......	51.19	......
Roanoke	5.10	+1.50	1.95	−1.43	4.86	+1.24	3.12	−0.46	7.69	+3 33	5.92	+1.61	2.97	−1.92	6.16	+1.82	3.21	−0.19	3.94	+0.52	2.37	−1.00	3.45	+0.08	50.74	+5.10
St. Marys	3.83	−0.19	2.25	−0.88	4.05	+0.31	2.85	−0.81	6.17	+2.60	3.12	−0.92	5.21	+0.94	10.85	+6.27	4.14	+1.28	2.45	−0.69	2.20	−0.81	4.33	+0.81	51.45	+7.91
Terra Alta	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	2.90	−0.30	4.51	−0.23	......	......
Thomas	5.78	......	2.47	......	5.04	......	3.37	......	7.94	......	8.28	......	5.92	......	7.19	......	6.14	......	3.23	......	2.23	......	4.71	......	62.30	......
Valley Chapel	4.46	+0.92	2.41	−0.66	5.11	+1.42	3.01	−0.40	7.18	+3.29	4.91	+1.16	2.35	−2.58	7.87	+3.71	3.16	−0.16	3.38	−0.03	2.40	−0.87	3.60	+0.38	49.84	+6.18
Vandalia	5.65	+2.58	2.87	−0.15	5.02	+1.82	3.21	−0.49	8.15	+4.57	4.84	+1.03	3.74	−2.28	8.49	+4.29	2 82	−0.45	3.74	+0.77	2.51	−0.87	4.01	+1.61	55.05	+12.43
Wellsburg	3.18	−0.15	2.61	+0.08	3.50	+0.27	2.01	−1.22	3.90	+0.35	4.20	−0.16	7.70	+3.41	8.77	+4.99	2.32	−0.79	2.59	−0.28	2.67	+0.12	2.70	−0.34	46.15	+6.28
West Milford	4.09	+1.02	2.30	−0.83	5.71	+2.17	2.88	−0.94	6.88	+3.15	5.10	+0.92	4.87	+0.22	9.96	+5.31	6.25	+2.98	3.81	−0.41	1.56	−2.05	3.05	−0.03	56.46	+11.54
Weston	5.77	+1.77	2.42	−1.27	4.21	−0.05	3.11	−0.85	6.01	+1.75	5.79	+1.14	2.31	−2.64	8.87	+4.86	3.52	+0.55	3.06	+0.04	2.70	−0.58	4.39	+0.65	52.16	+5.37
Wheeling (Dam 12)	2.75	−0.38	3.44	+0.90	3.61	+0.50	2.32	−0.82	4.01	+0.52	5.76	+1.97	3.97	−0.49	6.17	+2.61	2.57	−0.34	2.10	−0.50	2.50	−0.11	2.61	−0.39	41.81	+3.47
Woodlands	3.27	......	2.94	......	3.15	......	2.25	......	5.33	......	4.79	......	1.97	......	4.52	......	2.39	......	2.52	......	2.11	......	3.34	......	38.58	......
Southern Division																										
Arbovale	4 15	......	2.09	......	5.99	......	2.76	......	5.68	......	5.74	......	6.55	......	6.58	......	3.86	......	1.30	......	3.67	......	3.26	......	51.63	......
Bancroft	6.15	+2.11	2.17	−0.82	7.10	+3.25	3.40	−0.21	6.47	+2.61	5.67	+1.33	4.66	+0.30	8.58	+4.28	3.15	+0.22	3.15	+0.13	3.41	+0.77	3.20	−0.28	57.11	+13.69
Beckley	4.48	+0.73	2.98	−0.06	9.84	+5.04	4.90	+1.57	8.27	+4.65	3.97	−0.38	6.42	+1.89	4.20	+0.76	2.13	−0.47	2.93	−0.01	4.33	+1.98	2.96	−0.33	57.41	+15.37
Bluefield	5.55	+2.51	3.08	−0.08	6.92	+3.53	5.99	+2.70	5.46	+1.96	4.22	−0.19	5.20	+0.52	1.78	−2.30	3.18	+0.61	2.41	−0.51	4.54	+2.24	1.96	−1.07	50.29	+9.92
Camden-on-Gauley	5.93	......	3.27	......	7.67	......	3.63	......	6.12	......	4.88	......	5.06	......	7.62	......	2.35	......	2.90	......	3.41	......	5.06	......	57.90	......
Charleston	4.94	+1.12	2.76	−0.75	6.54	+2.20	3.53	−0.20	6.75	+2.82	5.15	+0.81	4.28	−0.19	5.33	+0.84	2.05	−0.96	2.78	−0.13	3.58	+0.49	3.59	+0.20	51.28	+6.25
Clay	5.26	+1.91	2.03	−1.35	6.14	+2.15	3.70	+0.20	7.09	+3.16	5.85	+1.45	2.86	−2.26	5.42	+0.81	1.92	−1.23	3.11	+0.18	2.99	+0.28	4.79	+1.44	51.16	+6.74
Dam 3 G. K	4.49	......	2.22	......	6.37	......	3.88	......	6.12	......	4.70	......	5.86	......	5.23	......	1.72	......	2.48	......	3.26	......	3.40	......	49.73	......
Dam 6 G. K	5.12	+2.57	2.10	−0.78	5.91	+2.33	3.35	+0.09	5.65	+3.03	3.60	+0.51	4.94	−0.08	6.99	+2.71	2.15	−0.69	2.77	−0.36	1.93	−0.65	2.97	+0.54	47.48	+9.22
Dam 19 O. R	3.06	−0.37	1.62	−1.01	4.30	+0.69	2.38	−1.18	6.00	+2.18	4.36	+0.46	3.60	−0.42	10.97	+6.72	4.13	+0.94	2.93	−0.25	1.83	−1.53	3.39	0.00	48.57	+6.23
Dam 20 O. R	3.03	−0.37	1.66	−1.25	5.33	+1.58	2.68	−0.76	5.95	+2.43	4.93	+1.06	6.43	+2.62	7.63	+3.24	3.33	+0.49	3.65	+0.39	1.89	−1.28	3.22	+0.01	49.73	+8.16
Dam 25 O. R	2.94	......	2.04	......	6.04	......	2.94	......	7.17	......	5.98	......	10.24	......	8.46	......	2.66	......	3.37	......	2.40	......	3.38	......	57.62	......
Dam 26 O. R	4.64	+0.92	1.79	−0.84	6.21	+2.53	3.61	+0.30	8.08	+4.68	8.14	+4.65	6.59	+2.66	7.48	+4.13	2.61	+0.37	3 03	+0.37	3.22	+0.52	3.48	+0.43	58.88	+20.72
Gary	5.47	+2.04	3.25	−0.05	7.80	+4.12	5.08	+1.55	7.73	+3.57	3.58	−1.19	5.09	+1.14	3.75	−0.80	3.14	+0.10	2.29	−0.88	3.45	+0.63	2.67	−0.86	53.30	+9.37
Hinton	5.34	+2.29	2.41	−0.68	7.00	+3.11	4.26	+1.06	5.86	+2.18	3.32	−0.92	3.54	−0.45	3.00	−0.92	2.48	−0.20	2.44	−0.20	3.99	+1.67	2.00	−0.96	45.64	+5.98
Huntington	4.92	+1.11	2.31	−0.84	6.43	+2.20	4.90	+1.39	7.91	+3.98	5.60	+1.50	6.44	+2.13	4.08	+0.37	2.37	−0.18	3.26	+0.67	3.21	+0.44	3.45	−0.05	54.88	+12.72
Kanawha Falls	4.54	+1.33	2.39	−0.25	6.77	+3.57	5.52	+1.80	6.99	+3.09	4.72	+0.64	6.30	+1.44	4.76	−0.13	1.97	−1.19	3.38	+0.08	2.81	−0.32	4.44	+1.08	54.59	+11.14
Kayford	3.49	−0.54	2.54	−0.81	7.67	+3.35	3.57	−0.55	7.45	+2.52	5.81	+0.29	5.34	−0.34	5.21	−0.13	2.39	−1.32	4.00	+0.23	3.57	+0.16	4.36	+0.47	55.40	+3.33
Kingston	3.83	......	2.01	......	7.00	......	3.76	......	5.66	......	4.09	......	5.32	......	4.10	......	......	......	......	......	......	......	......	......	......	......
Lewisburg	......	......	......	......	9.57	+5.96	......	......	6.76	+3.29	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Logan	3.99	−0.21	2.91	−0.68	10.59	+5.75	4.01	−0.30	6.94	+2.68	5.39	+0.41	6.61	+1.47	3.15	−0.85	1.17	−1.95	2.48	−0.38	3.66	+0.67	3.12	−0.99	54.02	+5.62
Madison	4.07	−0.03	1.47	−1.76	7.90	+3.72	3.14	−0.70	7.02	+2.69	5.56	+1.40	6.40	+1.07	3.15	−0.67	1.79	−1.64	2.89	+0.26	3.53	+0.88	2.85	−0.05	49.77	+5.17
Marlinton	1.82	−2.10	1.20	−2.30	6.73	+1.73	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Point Pleasant	3.68	−0.10	2.30	−1.08	6.38	+2.31	3.50	+0.16	7.86	+3.98	6.24	+2.16	8.55	+4.33	6.91	+3.60	3.42	+1.00	3.40	+0.69	2.84	−0.07	4.78	+1.46	59.86	+18.44
Rainelle	5 63	......	3.06	......	9.38	......	3.83	......	7.89	......	5.52	......	4.28	......	5.85	......	2.61	......	2.54	......	3.60	......	4.06	......	58.25	......
Ravenswood (Dam 22)	3.28	−0.43	1.98	−0.74	5.61	+1.89	2.38	−0.70	6.99	+3.50	5.72	+0.90	7.96	+3.77	6.22	+2.49	3.01	+0.47	4.16	+1.06	2.13	−0.73	3.49	+0.18	52.93	+11.66
Richwood	6.25	......	2.92	......	6.92	......	3.56	......	7.26	......	5.63	......	5.15	......	6.23	......	2.51	......	2.52	......	2.56	......	3.94	......	55.45	......
Robertsburg	4.06	+0.29	2.18	−0.83	6.76	+2.90	3.52	+0.04	7.42	+4.04	5.48	+1.67	5.83	+2.05	4.53	+1.08	2.27	−0.18	3.82	+1.08	2.68	+0.10	2.97	−0.41	51.52	+11.83
Ryan	5.05	+1.08	2.28	−1.07	7.36	+3.11	4.28	+0.47	7.67	+4.11	5.38	+0.92	3.80	−0.92	5.76	+1.72	1.76	−1.23	2.52	−0.82	3.09	+0.31	4.27	+0.81	53.22	+8.49
Sharples	2.15	−1.29	2.80	−0.28	9.19	+5.45	3.54	−0.35	5.13	+1.06	5.14	+0.56	4.25	−0.84	2.60	−2.15	1.05	−2.07	2.74	−0.06	3.29	+0.05	......	......	......	......
Spencer	4.21	+0.17	1.92	−1.26	6.03	+2.18	4 44	+1.01	8.31	+4.72	6.82	+2.44	4.82	+0.37	7.74	+3.95	1.90	−1.06	4.00	+0.85	2.26	−0.40	4.01	+0.66	56.46	+13.63
Summersville	5.51	......	2.87	......	7.24	......	3.53	......	7.02	......	5.65	......	5.00	......	6.86	......	2.34	......	2.99	......	3.12	......	6.52	......	58.65	......
Sutton	5.89	+1.20	2.35	−1 21	6.63	+2.41	4.03	−0.17	7.60	+3.02	4.90	−0.24	2.80	−2.90	11.45	+7.01	2 55	−0.88	3.30	+0.10	3.65	+0.20	5.42	+1.40	60.57	+9.94
Thornwood	4.40	......	0.87	......	5.90	......	3.02	......	4.40	......	2.80	......	5.60	......	6.40	......	3.62	......	2.10	......	4.20	......	3.38	......	46.69	......
Wayne	4.90	......	2.66	......	7.38	......	4.18	......	5.95	......	6.13	......	6.43	......	4.23	......	2.88	......	2.54	......	4.04	......	3.55	......	54.87	......
White Sulphur Springs	5.02	+2.47	2.10	−0.79	8.25	+5.14	3.45	+0.40	3.95	+0.53	4.45	+0.74	8.40	+4.58	3.25	−0.29	4.20	+1.11	1.25	−1.59	4.50	+2.17	2.79	+0.36	51.61	+14.83
Williamson	4.14	+0.22	2.80	−0.45	11.87	+7.47	4.12	+0.25	6.98	+2.90	5.47	+0.93	5.15	+0.69	2.93	−0.99	1.33	−1.62	2.17	−0.65	4.23	+1.36	2.21	−1.62	53.40	+8.49

(WBO, Cleveland, 3-16-36—1200)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIV Parkersburg, W. Va., January, 1936 No. 1

GENERAL SUMMARY

The month was decidedly cold, the average temperature, 26.7°, being the lowest of January record since 1918. The first half of the month was unusually warm, while the last half was exceptionally cold, with abnormally low temperatures from day to day, during most of the last decade. A severe cold wave overspread the State on the afternoon of the 22d, attended by heavy snow and zero temperatures, and on the 25th, another cold wave covered the State, bringing zero or much below in all districts. The lowest temperatures of January record were reported from a number of stations on the mornings of the 23d or 25th. A low reading of 31° below zero was noted at Reedsville, Preston County, on the morning of the 25th. While the precipitation averaged somewhat above the normal, the number of days with 0.01 inch or more of precipitation was unusually large, as precipitation in the form of rain or snow occurred at some place in the State on every day of the month. The snowfall was exceptionally heavy, being the third heaviest of January State record. Navigable streams of the State were frozen or full of heavy floating ice from the 1st to the 7th, and from the 21st to the end of the month, and navigation was suspended. Sleet was somewhat general throughout the State on the 6th, 17th, and 19th. The weather during most of the month was unfavorable for outdoor work. During the cold weather winter grains were well protected by snow cover and at the close of the month were in fair to good condition. Peach trees were reported injured by the severe cold weather.

TEMPERATURE

The monthly mean for the State, determined from 53 stations, was 26.7°, or 5.8° below the normal. Temperatures were much above the normal from the 2d to the 15th, with the highest readings occurring on the 13th and 14th. The weather was continuously cold from the 22d to the end of the month, the lowest temperatures being noted on the mornings of the 23d, 24th and 25th. The highest monthly mean was 32.6° at Charleston, and the lowest, 21.2° at Terra Alta. The highest temperature was 64° at Gary and Weston on the 14th, and the lowest was 31° below zero at Reedsville on the 25th, making the monthly range for the State 95°.

PRECIPITATION

The average precipitation for the State, determined from 88 stations, was 4.01 inches, which was 0.38 inch more than the normal. Most of the precipitation fell during the first and second decades, the greatest amounts being measured on the 2d, 7th, and 19th. The average monthly snowfall for the State, 16.6 inches, was 8.5 inches greater than the normal. The greatest monthly precipitation was 7.85 inches at Pickens, and the least, 1.84 inches at Dam No. 25, Ohio River. The greatest amount in any 24 consecutive hours was 2.00 inches at Cairo on the 6-7th. The greatest monthly snowfall was 50.5 inches at Pickens. The average number of days with .01 inch or more of precipitation was 16.

RIVER

Flood stages prevailed in the Little Kanawha River on January 3d-4th, caused by heavy rains and melting snow. The following crest stages, in feet and tenths, were noted: Creston, 21.3, and Glenville, 24.2.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.08	30.62	28	29.51	4	8.8	29	sw.	22	80	74	69	41
Columbus, Ohio	30.06	30.55	28	29.48	4	10.7	37	w.	22	79	74	77	29
Elkins	30.09	30.54	1	29.32	19	7.3	32	w.	22	87	74	81	30
Parkersburg	30.10	30.61	28	29.45	22	7.2	35	nw.	22	88	76	80	19
Pittsburgh, Pa	30.02	30.51	7	29.31	22	11.9	35	w.	22	87	78	83	31
Wytheville, Va	30.06	30.52	1	29.16	19	8.0	34	w.	22	84	71	76	42

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	......	......	3.24	4.23	3.24	3.64	......	......	......	......	......
1892	29.4	76	−3	2.95	3.57	2.66	3.15	......	11	......	......	......
1893	22.6	71	−25	2.26	2.87	2.02	2.49	......	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	......	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	......	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	14	8
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.65	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4.82	0.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
Period	32.5	83	−34	3.46	3.91	3.59	3.63	8.1	12	9	7	15

Climatological Data for January, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	22.3	−6.5	53	14	−18	23	40	5.65	+1.15	1.00	23.0	19	6	8	17	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	25.9	−5.0	54	14	−11	23	51	2.85	+0.51	0.85	9.0	8	15	0	16	s.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	....	3.65	......	0.82	2.4	16	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......	....	5.77	+3.06	1.58	8.3	11	....	....	....	......	Sherman Harrison
Kearneysville	Jefferson	548	6	26.0	......	55	13	−8	23	48	4.64	......	1.44	10.0	7	10	8	13	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	[a]26.6	−4.4	[a]57	13	−6	23	[a]32	2.99	+0.48	1.25	16.0	10	20	9	2	w.	Dr. H. S. Gardner
McNeill	Hardy	900	40	25.2	−7.8	52	†18	−14	24	44	3.97	+1.59	1.07	14.0	12	5	7	19	w.	John W. McNeill
Piedmont	Mineral	1,053	23	24.7	−6.2	51	13	−11	23	39	4.63	+2.05	1.20	20.0	12	11	5	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	26.6	−4.7	55	14	−8	†23	49	4.27	+1.88	0.92	10.0	11	4	13	14	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	....	2.92	+0.11	0.40	30.0	11	1	1	29	w.	A. C. Becker
Upper Tract	Pendleton	1,230	37	[a]29.0	−3.7	[a]56	18	[a]−10	†23	[a]50	2.13	+0.03	0.50	5.0	7	5	13	13	......	Mrs. J. M. Mallow
Wardensville [b]	Hardy	1,200	15	25.9	−4.9	54	14	−10	25	52	4.12	+1.99	1.25	7.0	10	9	11	9	n.	Reymann Memorial Farm
Division averages	and extremes	......	....	25.8	−5.4	57	13	−18	23	52	3.96	+0.50	1.44	12.9	11	9	7	15	w.	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	....	4.56	+1.16	1.23	12.0	19	4	8	19	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	....	2.85	......	0.98	18.6	21	5	3	23	......	D. N. Furbee
Alpena	Randolph	2,571	6	23.5	......	51	14	−20	13	41	5.34	......	1.25	33.0	19	7	5	19	......	Christian Hertig
Benson	Harrison	1,080	12	......	......	......	......	......	......	....	4.07	+0.46	1.45	19.0	18	6	7	18	......	R. D. Marts
Bens Run	Pleasants	652	34	25.0	−7.9	44	†14	−14	23	26	2.80	−1.18	0.90	17.3	16	16	4	11	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	27.2	−7.4	60	14	−20	24	43	4.19	+0.60	1.02	7.5	21	3	9	19	......	W. B. Worley
Buckhannon	Upshur	1,411	39	27.4	−5.1	57	14	−15	23	36	4.94	+0.54	0.80	20.0	18	5	6	20	......	H. A. Darnall
Cairo [c]	Ritchie	680	35	25.7	−8.7	62	16	−30	24	56	3.88	−0.07	2.00	14.0	6	7	1	20	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	25.3	−7.3	54	†12	−16	25	51	3.73	+0.42	0.67	17.5	17	3	10	18	w.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	....	4.75	+1.27	1.00	11.1	18	5	9	17	nw.	George W. Blair
Creston	Wirt	640	34	25.8	−8.3	50	†13	−26	24	38	3.41	−0.52	0.56	15.0	17	5	5	21	......	P. M. Basuett
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	....	3.73	+0.54	0.76	16.6	16	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	....	3.63	+0.50	0.60	19.0	15	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	15	......	......	......	......	......	......	....	3.79	+0.57	0.80	18.0	16	....	....	....	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	....	5.82	+1.81	1.15	47.0	20	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	24	......	......	......	......	......	......	....	2.87	−0.90	0.80	16.7	20	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	35	25.2	−5.2	56	14	−16	23	45	4.72	+0.94	1.13	12.8	22	3	8	20	w.	U. S. Weather Bureau
Fairmont	Marion	883	30	27.1	−5.1	62	14	−14	†23	46	3.62	−0.31	0.60	23.4	18	7	7	17	w.	J. C. Robinson
Glenville	Gilmer	738	42	28.6	−5.2	60	14	−25	24	42	4.77	+0.24	0.82	12.0	18	4	8	19	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	28.0	−4.6	63	14	−13	†23	41	4.75	+0.18	1.45	26.5	13	14	1	16	......	W. E. Clayton
Hastings	Wetzel	809	1	28.8	......	65	†14	−25	24	45	3.77	......	0.98	20.3	22	10	2	19	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	....	4.95	+0.92	0.75	......	19	....	....	....	......	Foster R. Hardman
Janelew (near)	Lewis	1,020	13	27.4	−7.9	60	†14	−19	25	43	3.51	+0.25	1.25	13.0	11	9	9	13	nw.	Dau Burkholder
Lost Creek	Harrison	1,026	38	26.4	−6.5	61	14	−21	25	46	3.11	−0.81	0.70	10.8	14	10	1	20	w.	Allen Smith
Mannington	Marion	985	33	24.9	−7.0	55	18	−22	25	39	3.92	−0.20	1.30	18.4	21	6	5	20	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	23.3	−9.0	52	14	−16	23	39	3.53	+0.07	0.90	20.5	18	8	8	15	sw.	Bruce Davis
New Cumberland	Hancock	671	38	25.6	−3.0	54	13	−14	23	33	2.94	+0.10	1.01	16.5	16	3	6	22	se.	C. O. Valentiue
New Martinsville	Wetzel	634	42	26.4	−6.7	55	13	−14	†23	31	3.27	−0.71	1.00	21.0	12	5	7	19	n.	Wm. Ankrom
Parkersburg	Wood	561	49	25.8	−6.7	56	14	−16	23	54	2.49	−1.09	0.67	18.6	17	3	6	22	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	[a]26.6	−7.9	[a]55	14	[a]−15	23	[a]47	3.50	−1.11	0.75	....	..	4	7	20	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	....	4.45	−0.16	0.88	16.5	23	8	7	16	......	Robert T. Deem
Philippi	Barbour	1,550	39	....	......	......	......	......	......	....	4.21	+0.07	0.63	12.0	14	....	....	....	......	H. F. Brittinham
Pickens	Randolph	2,697	33	23.4	−7.5	53	14	−18	†23	48	7.85	+1.53	0.75	50.5	27	5	9	17	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	23.4	......	56	14	−31	25	45	4.89	......	1.09	23.5	12	12	14	5	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	....	4.40	+0.80	1.34	14.2	17	5	3	23	......	Miss Mary A. Conrad
Terra Alta [e]	Preston	2,559	35	21.2	−6.7	51	14	−19	23	42	5.11	+0.23	0.84	19.9	20	6	2	18	w.	E. R. Wagner
Thomas	Tucker	2,950	7	......	......	......	......	......	......	...	3.41	......	0.77	18.0	17	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	27.8	−7.3	57	†14	−22	24	42	4.61	+1.07	1.16	22.5	19	5	11	15	sw.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	....	5.17	+2.10	0.96	19.1	15	....	...	....	......	James B. Kelley
Wellsburg	Brooke	668	29	24.7	−5.5	53	14	−17	25	36	2.90	−0.15	0.85	18.0	11	9	6	16	......	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	....	3.34	+0.27	0.80	....	11	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	28.2	−5.9	64	14	−20	24	45	4.63	+0.52	0.75	14.7	19	0	9	22	......	A. Henry
Wheeling (Dam 12)	Ohio	659	49	24.4	−6.0	54	12	−15	23	53	2.65	−0.45	0.38	15.0	15	0	7	24	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	....	2.32	......	0.43	16.0	12	8	0	23	sw.	R. W. Rist
Division averages	and extremes	......	....	25.7	−6.4	64	14	−31	25	56	4.02	+0.11	2.00	19.0	17	6	6	19	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	....	2.81	......	1.40	8.0	9	12	7	12	sw.	H. S. Sutton
Bancroft	Putnam	574	32	30.1	−4.2	58	†14	−15	23	39	3.72	−0.35	0.93	15.5	12	6	4	21	w.	Charles N. Long
Beckley	Raleigh	2,440	33	26.8	−6.4	56	14	−19	23	41	5.26	+1.59	0.82	17.7	21	4	10	17	......	L. A. Mauck
Bluefield [d]	Mercer	2,558	41	30.1	−4.8	58	14	−13	23	46	5.40	+2.39	1.50	8.8	12	10	6	11	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	32.6	−5.3	62	14	−9	23	44	3.88	−0.15	0.72	12.8	16	7	5	19	......	S. E. Damron
Clay	Clay	706	20	......	......	......	......	......	......	....	3.26	−0.42	0.51	13.1	18	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	......	......	......	......	......	......	....	3.87	+1.92	0.94	......	16	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	....	2.48	−0.93	0.45	......	15	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	....	3.44	−0.18	1.05	......	15	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	. ..	1.84	......	0.32	......	17	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	....	2.56	−1.28	0.47	......	15	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	20	29.4	−5.7	64	13	−8	†1	59	4.93	+1.48	0.90	10.5	13	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	31.0	−3.5	60	12	−8	23	34	4.95	+1.69	1.00	5.3	16	10	5	16	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	29.8	−4.2	60	14	−12	23	37	3.71	−0.08	1.30	17.0	14	3	11	17	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	....	4.60	+1.39	0.92	10.5	18	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	....	5.11	+0.89	0.92	12.0	21	....	....	....	......	Cabin Creek. Con Coal Co
Logan	Logan	700	33	......	......	......	......	......	......	....	4.96	+0.54	1.15	10.5	21	....	....	....	......	J. R. Wampler
Madison	Boone	675	15	25.8	−10.8	58	16	−10	22	53	4.23	+0.13	1.10	......	9	0	4	27	......	W. E. Holy
Point Pleasant	Mason	595	43	28.7	−5.4	59	14	−18	24	43	3.32	−0.63	0.48	21.0	19	2	12	17	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	25.2	......	51	12	−19	23	50	5.35	......	1.14	22.0	22	8	4	19	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	30.1	−5.3	57	†13	−22	24	49	2.26	−1.34	0.56	......	16	4	5	22	nw.	Lockmaster
Richwood	Nicholas	2,193	6	30.0	......	60	14	−16	†22	60	3.00	......	1.02	18.9	22	10	7	14	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	27.0	−6.3	58	14	−16	†24	56	3.39	−0.54	0.50	17.0	19	4	0	27	......	M. Frazier
Ryan	Roane	700	33	21.8	−11.2	55	†14	−30	24	43	4.26	+0.21	1.24	15.6	20	8	4	19	......	Wm E. Ryan
Spencer	Roane	789	32	28.1	−5.6	57	12	−23	24	41	4.01	0.00	0.68	14.0	17	2	11	18	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	....	4.20	......	0.82	12.0	17	....	....	....	......	Carl Perry
Sutton	Braxton	850	30	29.3	−5.0	60	†14	−11	†23	46	5.12	+0.58	1.20	23.0	14	12	0	19	......	C. B. Eakle
Wayne	Wayne	598	9	......	......	......	......	......	......	....	4.16	......	0.63	11.2	16	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	26	26.6	−5.5	58	14	−12	23	55	5.55	+2.22	1.10	......	13	12	2	17	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	30.8	−5.2	62	14	−6	23	47	4.68	+0.73	0.88	11.7	21	7	8	16	se.	J. E. Dotson
Division averages	and extremes	......	....	28.5	−5.9	64	14	−30	24	60	4.02	+0.43	1.50	14.2	16	7	5	19	sw.	
State averages and	extremes	......	....	26.7	−5.8	64	14	−31	25	60	4.01	+0.38	2.00	16.6	16	6	7	18	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or standard mean, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for January, 1936

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac	....	.80	.24	....	.46	....	....	.50	.73	....	.08	.25	....	.05	.40	....	.16	.10	1.00	.17	....	.14	.12	....	....	....	....	.15	.21	.04	.05	5.65
Brandywine	....do	....	....	.85	.15	....	.20	....	.20	.35	....	T.	....	....	....	.30	....	.10	T.	.70	....	....	....	T.	....	....	....	....	T.	....	....	....	2.85
Circleville	....do	....	.08	.82	....	.20	.06	.29	....	T.	.47	....	.06	....	T.	....	.32	.09	T.	.73	.15	....	....	.12	....	....	.04	....	....	.07	.11	.04	3.65
Harpers Ferry‖‖	....do	....	....	1.49	....	.13	....	.36	....	.35	.66	....	....	....	....	....	.34	.04	.02	.78	1.58	....	....	....	....	....	....	....	....	....	....	.02	5.77
Kearneysville	....do	....	.91	.65	....	....	.45	....	....	.80	....	T.	....	....	....	.34	T.	.05	....	1.44	....	....	....	....	....	....	....	....	....	....	....	....	4.64
Martinsburg‖‖	....do	....	.05	....	....	.05	....	.20	....	.45	.40	....	.02	....	....	....	....	.15	.02	.40	1.25	....	....	T.	....	....	....	....	....	....	....	T.	2.99
McNeill	....do	....	.57	.50	....	.18	.56	T.	T.	.75	T.	.03	T.	....	.35	....	.08	.03	.81	....	....	.07	....	....	.04	....	....	....	....	T.	T.	....	3.97
Piedmont	....do	....	.78	.16	....	.06	.69	....	T.	1.12	....	.03	.01	....	....	.26	T.	.23	.02	1.20	....	....	....	.07	....	....	....	....	....	....	T.	....	4.63
Romney‖‖	....do	....	.72	.55	.02	.30	.58	....	....	....	.85	.01	.01	....	....	....	.30	.01	.92	....	....	....	....	....	....	....	....	....	....	....	T.	....	4.27
Stony River Dam	....do	....	....	....	....	....	.22	....	....	.32	....	....	.08	....	....	....	....	.22	.24	.40	.32	.16	....	.32	.32	....	....	....	....	....	.32	....	2.92
Upper Tract	....do	....	.39	.16	T.	.12	.21	T.	T.	.44	....	T.	....	....	....	.31	....	T.	....	.50	....	....	....	....	....	....	....	....	....	....	....	....	2.13
Wardensville‖‖	....do	....	T.	1.25	T.	.16	T.	.49	....	.33	.42	....	....	....	....	....	.28	.04	.03	....	1.05	....	....	....	T.	....	.07	T.	....	....	....	....	4.12
Northern Division																																	
Aberdeen	Monongahela	....	.37	.51	.08	.21	.63	T.	T.	.65	....	.06	.06	.04	....	.15	T.	.11	.06	1.23	.09	....	.06	.08	....	T.	T.	.08	T.	....	.06	.03	4.56
Alma (near)	Ohio	....	.13	.47	.03	....	.43	.05	.03	.24	....	.09	....	.05	....	.07	.06	.01	.01	.98	.03	....	.10	....	....	.02	.01	....	.01	....	.01	.02	2.85
Alpena	Monongahela	....	.31	.34	.05	.16	.14	....	....	1.25	T.	.16	....	.12	....	.25	....	.08	.38	.50	....	....	.40	.50	....	.08	.08	.30	.08	....	.16	....	5.34
Benson	....do	....	.20	.50	.05	....	.17	.40	....	.50	....	.10	.03	.04	....	.10	....	....	.10	1.45	.05	....	.15	....	....	....	.04	.05	.04	....	....	.10	4.07
Bens Run	Ohio	....	.18	.04	.10	....	.40	.06	.04	.39	....	.17	....	.07	....	.10	.08	....	....	.90	.22	....	....	....	....	....	....	....	....	.02	.02	.01	2.80
Brownsville	Monongahela	....	.34	.48	.07	.23	.60	....	.02	.70	....	.07	.03	.02	....	.15	....	.10	.04	1.02	.04	....	.07	.04	....	....	....	.05	.06	....	.04	.02	4.19
Buckhannon	....do	....	.40	.50	.15	.20	.58	....	.05	.77	....	.15	.05	....	....	.30	....	.15	.08	.80	.20	....	....	T.	....	....	....	.20	.10	....	.16	.10	4.94
Cairo	Little Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clarksburg‖‖	Monongahela	....	....	.56	....	.19	.16	.26	....	.36	.14	....	.17	....	.07	....	.10	.23	.07	.67	.53	....	....	.09	....	....	.08	T.	T.	T.	.03	.02	3.73
Crawford‖‖	....do	....	.42	.57	.32	....	.58	.05	.05	.68	....	.20	.04	....	....	.09	.16	.10	.11	1.00	.10	....	.20	T.	....	.02	....	....	....	....	.06	....	4.75
Creston‖‖	Little Kanawha	....	.15	.56	....	.25	.36	.15	....	.38	.10	....	.10	.08	....	....	.11	.05	.12	.44	.40	....	....	.07	....	....	.03	....	....	....	....	.06	3.41
Dam 10, Mon. R.‖‖	Monongahela	....	T	.76	....	.21	....	.20	....	.22	.35	....	.13	T.	.11	....	.23	.17	.04	.48	.73	....	....	.05	....	....	....	.02	....	....	.01	.02	3.73
Dam 13, O. R.‖‖	Ohio	....	.01	.40	....	....	.02	.48	....	.21	.59	....	.11	.05	T.	....	.05	.32	.12	.50	.60	....	....	.14	....	....	....	....	.03	....	....	....	3.63
Dam 15, Mon. R.‖‖	Monongahela	....	....	.66	....	.21	T.	.28	....	.21	.32	....	.13	T.	.07	....	.12	.15	.01	.66	.80	....	....	.12	....	....	.01	.02	T.	....	....	.02	3.79
Davis‖‖	....do	....	.21	1.15	....	.47	T.	.13	....	.90	.21	.51	....	....	.10	....	.09	.31	.30	.22	.16	T.	....	.36	.10	....	.12	.07	.09	T.	.20	.12	5.82
Elizabeth (D'm 3 LK)	Little Kanawha	.02	.04	.34	.04	.17	.08	.33	....	....	....	....	.16	.06	....	....	.08	.12	.03	.80	.32	....	....	.15	....	....	.03	.03	.01	....	.03	.03	2.87
Elkins***	Monongahela	....	.53	.28	.30	T.	.41	.03	.06	.76	.02	.16	.01	.10	....	.24	.12	.06	.18	1.00	T.	T.	.24	T.	....	.06	.10	T.	T.	.02	.03	.01	4.72
Fairmont‖‖	....do	T.	.58	....	.22	.07	.24	....	.34	.21	....	.17	.07	.02	....	....	.08	T.	.60	.60	T.	....	.22	....	....	.02	.02	.02	T.	.02	.12	....	3.62
Glenville‖‖	Little Kanawha	....	.09	.68	....	.23	.47	.18	....	.42	.12	....	.14	....	.05	....	.17	.11	.16	.77	.82	T.	....	.19	....	T.	T.	.06	....	....	.07	.04	4.77
Grafton‖‖	Monongahela	....	....	....	1.45	....	T.	....	....	.75	....	.15	....	....	....	.26	....	.25	....	.82	.63	....	.08	....	....	.06	.06	....	.06	....	.06	.12	4.75
Hastings	Ohio	T.	.17	.57	T.	.18	.33	.06	T.	.45	.05	.13	.12	.10	....	.08	.03	.08	.16	.98	.07	....	.07	.04	....	.03	....	....	.03	....	.02	.02	3.77
Horner	Monongahela	....	.75	.35	.40	....	.50	....	....	.40	.20	.30	....	....	....	.25	....	.10	....	.15	.35	.10	.08	.12	....	.10	.20	....	....	.20	.15	.25	4.95
Horton	....do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Janelew (near)	....do	....	....	.20	....	.29	.30	....	....	.75	....	....	.17	....	....	.16	....	....	.15	1.25	.08	....	.08	....	....	....	....	....	....	....	.08	....	3.51
Lost Creek	....do	....	.15	.52	.06	.08	.48	T.	T.	.58	....	.07	T.	.06	....	.10	....	.06	.05	.70	.16	....	....	T.	....	T	....	T.	T.	....	.04	T.	3.11
Mannington	....do	.01	.17	.50	.05	.12	.27	.03	T.	.53	.05	.12	.04	.12	....	.10	.03	.12	.03	1.30	.08	....	.10	....	....	.04	T.	.03	.02	T.	.02	.04	3.92
Morgantown	....do	....	.45	.50	.20	....	.20	.10	.10	T.	....	.15	.10	.10	....	.15	.04	.12	....	.90	.22	....	.08	.06	....	T.	T.	.02	T.	....	T.	.04	3.53
New Cumberland‖‖	Ohio	.01	.23	....	T.	....	.43	.02	.02	.40	.04	.10	.04	.06	....	....	.24	.02	.14	1.01	....	....	.14	....	....	....	....	....	T.	T.	.04	T.	2.94
New Martinsville	....do	....	....	.50	.05	....	.48	....	....	.52	....	.15	....	....	....	....	.08	.12	.08	1.00	....	....	.16	....	....	.05	T.	T.	T	....	T.	.08	3.27
Parkersburg***	....do	T.	.52	.02	.07	....	.38	....	.05	.22	....	.09	....	.03	....	.02	.12	....	.15	.60	T.	....	.13	....	....	.02	.02	T.	T.	.01	.04	....	2.49
Parsons	Monongahela	....	.60	....	.40	....	.70	....	.10	.75	....	.35	....	*	....	*	....	*	.60	....	....	....	....	....	....	....	....	....	....	....	....	....	3.50
Parsons No. 2	....do	....	.43	.45	.12	.25	.50	.02	.03	.72	.01	.21	.12	.07	....	.18	....	.13	.07	.69	.05	....	.12	.05	....	T.	T.	.13	.04	....	.04	.02	4.45
Philippi	....do	....	T.	.10	....	.40	.20	.41	....	.40	.27	....	....	T.	T.	....	.50	.15	.15	.63	.30	T.	....	.50	....	....	....	.10	....	....	.10	T.	4.21
Pickens	....do	....	.75	.60	.37	.16	.73	.60	.39	.27	.04	.23	T.	.20	....	.41	.05	.20	.08	.45	.16	....	.40	.30	.20	.06	.18	.18	.10	.20	.34	.20	7.85
Reedsville	....do	....	1.05	....	.35	....	.35	....	....	1.09	....	.18	....	.11	....	.16	.24	....	.20	.80	T.	....	.16	....	....	T.	....	....	T.	....	.20	....	4.89
Roanoke	....do	....	.40	.41	.20	.10	.64	....	.05	.66	....	.12	....	.04	....	.18	T.	.16	.02	1.34	T.	....	.02	.03	....	....	T.	T.	T.	....	.02	.01	4.40
Saint Marys‖‖	Ohio	T.	.06	.52	T.	.15	.17	.29	....	.31	.08	....	.15	.10	....	....	....	.12	.06	.48	.85	....	....	.13	....	....	T.	.03	T.	....	.02	.03	3.55
Terra Alta	Monongahela	....	.41	.47	.15	....	.53	.07	.01	.82	....	....	....	.47	....	....	.22	.20	.10	.84	.09	....	.11	.19	....	....	.06	....	.19	.02	.06	.10	5.11
Thomas‖‖	....do	....	T.	.77	....	.10	.07	.08	....	.34	.32	T.	.10	....	....	....	.25	.22	.05	.20	.48	T.	....	.15	....	....	....	.09	.04	T.	.05	.10	3.41
Valley Chapel	....do	....	.23	.50	.06	.23	.53	T.	T.	.54	T.	.08	.07	.06	....	.13	....	.13	.09	1.16	.39	....	.04	....	....	....	....	.23	.02	....	.02	.10	4.61
Vandalia	....do	.96	.40	.55	.18	....	.72	....	....	.71	....	....	....	.16	....	.21	..	.15	....	.60	.22	....	.22	....	....	.04	....	.04	....	....	.01	....	5.17
Wellsburg	Ohio	....	.08	.23	....	....	.39	T.	....	.50	....	.30	....	....	....	.21	.03	.10	.16	.85	....	....	.05	....	....	....	....	....	T	....	....	T.	2.90
West Milford	Monongahela	....	.80	.50	....	....	.80	....	.10	.40	....	.10	.20	....	....	.10	....	.12	.20	....	....	....	....	....	....	....	....	.02	....	....	....	....	3.34
Weston	....do	....	.09	.75	.02	.36	.28	.31	....	.38	.18	....	.23	.04	....	....	.16	.20	.08	.58	.75	T.	....	....	....	....	T.	.04	.02	....	.06	.10	4.63
Wheeling (Dam 12)‖‖	Ohio	....	T.	.38	....	.02	.02	.34	....	.28	.32	....	.10	.08	.02	....	.04	.36	.05	.24	.37	....	....	....	....	....	....	....	T.	T.	T.	.03	2.65
Woodlands‖‖	....do	....	.03	.38	.13	.14	....	.43	....	.08	.40	....	....	....	.08	....	....	.17	.09	.10	.29	....	....	....	....	....	....	....	....	....	....	....	2.32
Southern Division																																	
Arbovale	Great Kanawha	....	1.40	....	.16	....	.16	....	T.	.32	....	T.	....	T	....	.40	....	T.	.05	.16	....	....	.08	....	....	.08	T.	T.	T.	T.	T.	....	2.81
Bancroft‖‖	....do	....	.12	.93	....	.18	.42	....	....	.35	....	....	.05	.10	....	....	.15	.22	....	.18	.90	....	....	....	....	.12	....	....	....	....	....	....	3.72
Beckley	....do	....	.82	.47	.30	.14	.70	.04	.45	.38	....	.08	....	.09	....	.38	.04	....	.15	.70	.08	....	.11	....	....	.06	.04	.14	T.	T.	.03	.06	5.26
Bluefield	....do	....	1.08	.35	....	....	.44	....	.44	.39	....	....	....	.01	....	.53	....	....	.35	....	1.50	....	....	.03	....	.20	....	.08	....	....	....	....	5.40
Camden-on-Gauley	Gauley	....	.27	.55	.06	.10	.35	.16	....	.45	.10	....	.13	....	.08	....	.33	....	.07	.48	.58	....	....	.05	....	.03	.08	.10	.01	....	.04	.03	4.05
Charleston	Great Kanawha	....	.52	.46	.12	....	.72	.17	....	.53	.03	....	....	.05	....	.23	....	.04	.13	.60	....	....	.07	....	....	.14	.04	....	T.	T.	.03	....	3.88
Clay‖‖	....do	....	.16	.42	.06	.48	.05	T.	....	.12	.12	....	.05	....	....	T.	.22	.03	.06	.42	.51	T.	....	.42	T.	.01	....	.02	....	....	.06	.05	3.26
Dam 3 G. K.‖‖	....do	....	.26	.60	.03	.33	.33	.07	.01	.63	.08	....	.02	....	.07	.03	.14	.01	.04	.66	.68	....	....	.04	....	T.	.11	.01	....	....	.01	.01	4.17
Dam 6 G. K.‖‖	....do	....	.10	.94	.05	.22	.08	.56	....	.55	.18	....	....	....	.07	....	.14	.08	.04	.39	.32	....	....	....	....	T.	.11	.04	....	....	T.	....	3.87
Dam 19 O. R.‖‖	Ohio	T.	.04	.45	....	.10	.10	.38	....	.21	.06	....	.12	.04	T.	....	.03	.06	.12	.32	.30	T.	....	.15	....	....	....	T.	T.	T.	T	T.	2.48
Dam 20 O. R.‖‖	....do	T.	.02	.60	....	.12	.10	.28	....	.20	.11	....	.08	.06	T.	T.	.07	.07	.12	1.05	.55	....	....	....	....	....	.01	T.	....	....	T.	T.	3.44
Dam 25 O. R.‖‖	....do	....	.13	.32	....	.13	.20	.22	....	.27	.05	....	.04	.05	.03	....	.04	.02	.20	.02	.04	....	....	.04	....	....	.04	....	....	....	....	....	1.84
Dam 26 O. R.‖‖	....do	.07	.18	.47	....	.11	.22	.36	....	.36	....	....	.04	.04	.02	T.	.12	.13	.20	.20	.04	....	....	T.	....	....	T.	....	....	....	....	....	2.56
Gary‖‖	Big Sandy	....	.49	.48	....	....	.50	.07	.05	.63	.15	....	....	....	.19	....	.39	....	.18	.90	.74	....	....	....	....	T.	....	.16	....	T.	T.	....	4.93
Hinton‖‖	....do	....	.27	.92	....	.18	.19	.27	T.	.80	.07	T.	T.	....	T.	.05	.37	....	.03	1.00	.54	T.	T	.04	....	.06	.12	.04	....	T.	T.	T.	4.95
Huntington	Ohio	....	.73	.24	.10	....	.55	T.	.16	.22	....	.01	....	.03	....	.07	.05	....	.08	1.30	T.	....	.05	....	....	.12	T.	....	....	T.	T.	T.	3.71
Kanawha Falls‖‖	Great Kanawha	....	.01	.92	.02	.33	.06	.33	....	.34	.19	....	.03	....	.05	....	.28	T.	T.	.83	.92	T.	....	.08	....	T.	.12	.06	....	....	.02	.01	4.60
Kayford‖‖	....do	....	.22	.79	.04	.39	.26	.20	T.	.59	.12	....	.02	....	.11	.02	.22	T.	....	.92	.82	.01	....	.11	....	.03	.10	.09	....	T.	.02	.03	5.11
Logan‖‖	Guyandotte	....	.52	.42	.04	.25	.43	.15	.03	1.15	.05	T.	....	.02	.07	.08	.01	T.	.22	1.15	.13	T.	....	.10	....	.05	.04	.03	....	....	T.	.02	4.96
Madison	Great Kanawha	.50	....	....	.64	.48	....	.04	1.10	....	....	....	....	....	....	....	....	.17	.89	.32	....	....	.09	....	....	....	....	....	....	....	....	....	4.23
Point Pleasant‖‖	Ohio	....	.24	.32	.04	.08	.40	.14	.02	.36	.02	....	.08	.06	....	.04	..	.20	.16	.46	.48	....	....	.14	....	....	.06	T.	....	....	.02	T.	3.32
Rainelle	Meadow Creek	.. .	.75	.50	.17	.15	.78	.03	.32	.34	....	.02	T.	.06	T.	.46	....	....	.04	1.14	.05	....	.03	.11	....	.17	.03	.14	.02	....	.02	.02	5.35
Ravenswood (Dam 22	Ohio‖‖	....	.08	.56	T.	.10	.07	.41	....	.15	.09	....	.06	.05	.04	....	.10	.08	.05	.27	.10	....	....	....	....	....	....	....	....	....	....	.05	2.26
Richwood	Great Kanawha	....	.11	.07	.03	.12	.37	.11	.17	.22	....	.04	....	....	....	.20	....	....	.08	1.02	.03	....	.05	.04	....	.11	.03	.09	.03	.04	.02	.02	3.00
Robertsburg‖‖	....do	....	.44	.47	.06	.15	.49	.09	....	.35	.04	T.	.04	.04	....	.05	.10	.11	.18	.18	.50	....	....	.05	....	....	.03	.02	....	....	....	....	3.39
Ryan	....do	....	.40	.50	.20	....	.61	....	....	.49	....	.04	....	.05	....	.20	....	.13	.08	1.24	.02	....	.16	....	....	.03	.01	.05	.01	.01	.01	.02	4.26
Sharples‖‖	Coal River	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Spencer‖‖	Great Kanawha	....	.68	.66	....	.25	.49	.10	....	.36	.06	....	.09	.06	T.	....	.14	T.	.22	.30	.20	....	....	.16	....	....	.08	.08	....	....	.08	....	4.01
Summersville	....do	....	.20	.55	....	.31	.20	.19	....	.34	.05	....	....	.06	....	....	.39	....	.03	.82	.64	....	....	.15	....	....	.11	.12	....	....	.02	.02	4.20
Sutton	Gauley	....	1.20	.35	.15	....	.85	T.	T.	.80	....	.15	....	....	....	.35	....	.10	T.	.25	.50	....	.30	....	....	.04	....	.04	....	....	.04	....	5.12
Thornwood	Great Kanawha	....	1.25	....	.44	....	.11	....	.42	.12	....	....	....	....	....	.44	....	....	.23	.21	....	....	.61	.23	....	....	....	....	....	.09	....	....	4.15
Wayne‖‖	Big Sandy	....	.59	.52	....	.19	.63	.05	....	.39	....	....	....	.08	....	.27	....	.04	.30	.59	.31	....	....	.09	....	.08	.02	.01	....	....	....	....	4.16
White Sulpr. Spgs.‖‖	Great Kanawha	.70	.10	....	.40	.30	.40	1.10	.70	.15	....	....	....	....	....	.75	....	.10	.65	.15	....	....	....	....	....	T.	T.	....	....	....	.05	....	5.55
Williamson‖‖	Big Sandy	....	.53	.34	T.	.29	.50	.06	.17	.66	.01	....	....	.02	.04	.08	.01	....	.23	.88	.56	T.	....	.06	....	.09	.05	.05	....	T.	.02	.03	4.68

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	40	41	40	40	35	42	43	35	43	40	34	42	41	53	48	35	35	48	42	15	30	32	22	8	18	25	20	7	22	20	15	32.6
	Minimum	12	15	30	20	24	15	32	25	25	25	20	30	22	13	18	23	23	25	12	8	7	10	−18	−12	−15	3	−11	−5	3	1	−8	12.0
Brandywine	Maximum	42	42	44	38	35	35	45	40	46	44	42	50	51	54	41	46	40	45	47	30	27	40	40	14	20	35	30	12	24	27	12	36.7
	Minimum	15	18	35	20	30	21	30	30	29	30	25	29	24	17	24	25	26	33	18	−2	−3	10	−11	−10	−8	6	−1	3	−6	14	−2	15.1
Kearneysville	Maximum	37	32	43	40	42	38	44	39	36	41	36	42	55	42	38	40	35	44	38	31	32	40	40	13	18	27	23	13	25	25	20	34.5
	Minimum	14	11	31	31	38	25	29	24	31	33	26	30	30	24	24	29	27	29	18	12	0	19	−8	0	−5	−7	1	5	8	8	4	17.5
Martinsburg*	Maximum	36	38	44	41	45	34	46	37	42	42	40	48	57	42	40	40	36	40	35	32	32	42	22	17	18	25	25	21	25	27	..	35.6
	Minimum	15	18	16	29	31	28	29	26	27	32	27	30	26	25	26	28	30	30	26	16	10	10	−6	−4	−4	−4	0	0	8	10	6	17.5
McNeill	Maximum	33	34	39	39	39	40	40	41	40	42	44	39	40	41	41	35	38	52	52	33	38	40	27	15	18	28	28	15	20	29	29	35.1
	Minimum	8	14	31	21	20	32	20	38	33	31	35	24	21	15	24	30	28	33	20	0	−6	15	−9	−14	−10	0	0	5	1	10	3	15.3
Piedmont	Maximum	39	32	40	33	36	34	41	34	36	36	34	43	51	42	33	35	34	41	30	26	34	45	6	10	17	28	14	14	22	25	12	30.9
	Minimum	18	22	33	30	30	22	33	30	30	31	26	34	26	19	23	30	29	30	26	14	14	6	−11	−4	−5	14	−4	4	10	12	1	18.5
Romney	Maximum	41	35	41	40	43	38	46	41	40	40	42	37	48	55	47	42	41	37	45	30	35	45	41	16	18	30	28	19	25	29	24	35.7
	Minimum	12	16	32	25	32	24	32	33	30	30	34	26	31	23	19	21	30	27	18	14	0	3	−8	−1	−8	−4	−2	6	10	8	3	16.6
Upper Tract	Maximum	49	45	45	41	43	42	50	51	51	48	..	50	50	54	51	49	45	56	54	37	37	42	40	15	20	30	28	15	25	28	28	40.6
	Minimum	15	22	34	24	31	24	35	32	30	36	..	26	30	20	29	30	25	30	19	10	0	12	−10	−10	−5	8	0	5	5	15	1	17.4
Wardensville	Maximum	35	43	41	42	43	42	46	45	35	45	43	..	50	54	50	40	41	39	..	52	31	36	43	37	30	19	31	11	16	25	25	37.6
	Minimum	2	11	28	24	27	24	28	29	30	34	26	..	27	18	26	29	27	31	..	11	−9	2	−9	−9	−10	−1	0	2	2	8	3	14.2
Northern Division																																	
Alpena	Maximum	41	42	44	40	38	40	44	35	35	35	35	41	45	51	40	41	42	47	41	17	30	37	21	15	22	26	20	10	21	20	16	33.3
	Minimum	19	20	29	23	22	15	33	27	29	25	21	29	25	13	37	23	25	32	11	8	−4	10	−20	−13	−15	10	−12	−4	2	11	−8	13.7
Bens Run	Maximum	30	40	40	40	41	38	38	42	42	41	37	37	37	44	44	42	43	39	39	25	25	22	12	7	13	18	18	11	29	21	21	31.5
	Minimum	19	26	35	33	30	29	32	33	40	30	32	36	31	23	32	31	32	33	19	8	5	11	−14	−9	−13	−1	−6	−7	8	15	−1	18.5
Buckhannon	Maximum	41	40	44	45	45	50	50	45	50	44	40	46	53	57	52	43	44	54	40	22	20	42	20	20	16	22	20	12	20	25	20	36.8
	Minimum	18	25	34	29	29	38	38	29	40	31	30	34	30	21	27	28	28	24	18	12	3	18	−15	−12	−10	−4	−7	1	7	15	−3	17.9
Cairo	Maximum	..	..	45	42	33	47	47	44	44	48	48	44	57	..	59	62	54	52	52	53	30	40	40	13	17	20	21	12	25	25	22	39.1
	Minimum	..	..	17	32	18	24	27	34	32	30	32	33	29	..	17	22	28	32	35	12	−4	11	−16	−30	−18	−13	−14	−1	1	−13	−13	12.3
Clarksburg*	Maximum	45	42	38	41	39	47	43	47	47	46	40	54	50	48	40	38	53	54	52	26	32	40	12	8	14	24	5	11	24	23	17	35.5
	Minimum	−6	24	33	31	30	27	33	32	35	30	29	35	38	17	18	29	28	27	25	13	−5	7	−15	−15	−16	−11	−8	−7	4	8	−3	15.1
Creston	Maximum	38	46	38	42	40	49	47	45	45	46	41	44	50	50	46	45	43	41	39	21	31	38	16	6	16	20	18	9	22	22	21	34.7
	Minimum	18	24	34	31	29	28	38	33	40	36	39	35	28	18	27	29	28	29	20	15	−7	15	−15	−26	−13	−11	−10	2	3	17	−10	16.9
Elkins	Maximum	42	49	48	42	37	48	46	40	47	37	59	48	53	56	43	46	48	52	33	18	31	40	1	7	18	27	14	9	22	23	6	34.5
	Minimum	21	24	34	28	27	25	35	30	36	29	29	33	26	20	30	28	28	32	14	2	0	−5	−16	−6	−12	3	−7	0	6	5	−4	16.0
Fairmont	Maximum	50	46	39	43	44	45	41	48	47	46	42	53	50	62	40	35	47	57	47	24	34	42	30	19	16	26	8	14	28	29	18	37.7
	Minimum	4	25	38	34	31	27	34	31	35	29	29	31	35	20	20	30	27	27	20	10	6	10	−14	−14	−8	−8	−7	−6	5	10	−1	16.5
Glenville	Maximum	49	53	44	45	45	51	53	51	51	46	44	52	56	60	54	47	44	40	42	27	34	43	24	17	20	24	25	15	29	26	24	39.8
	Minimum	18	24	34	31	32	28	33	31	34	38	31	37	31	20	27	31	30	31	23	15	−8	14	−13	−25	−14	−11	−6	3	5	18	−1	17.5
Grafton	Maximum	44	46	42	48	42	48	47	42	47	40	42	48	56	63	51	43	42	56	42	22	30	40	19	10	17	23	19	12	23	26	22	37.2
	Minimum	21	28	37	31	31	33	36	29	38	30	30	36	31	22	28	30	29	35	20	14	2	19	−13	−7	−13	−6	−5	−3	9	16	−1	18.9
Lost Creek	Maximum	49	45	42	42	44	50	50	44	48	42	42	50	55	61	55	40	37	55	40	20	30	40	19	11	15	21	19	16	30	29	20	37.3
	Minimum	15	21	34	28	30	25	39	31	40	28	27	35	26	15	24	29	27	28	18	12	−9	19	−17	−18	−21	−14	−9	−1	7	15	−5	15.5
Mannington	Maximum	39	45	40	41	40	40	42	40	47	41	41	43	54	52	44	38	34	55	39	21	29	39	19	8	13	23	20	12	21	24	21	34.4
	Minimum	15	20	34	32	31	24	35	31	38	29	27	35	27	17	25	29	26	31	18	6	−9	18	−15	−21	−22	−16	−7	1	8	12	−2	15.4
Morgantown	Maximum	41	40	37	37	36	35	35	35	37	44	43	40	42	52	48	36	35	36	32	31	27	23	20	5	10	18	17	7	18	19	13	30.6
	Minimum	2	32	27	26	25	27	32	24	31	34	33	33	33	35	33	24	11	29	18	7	8	9	−16	−10	−11	−6	−9	−1	6	13	−3	16.0
New Cumberland*	Maximum	39	44	47	41	43	37	39	39	42	42	44	44	54	48	44	37	33	45	39	23	29	36	12	10	22	21	20	17	24	26	22	34.3
	Minimum	14	15	36	34	30	33	33	30	35	30	27	33	30	21	30	28	19	23	17	10	7	8	−14	−11	−11	−6	−6	4	13	12	−1	16.9
New Martinsville	Maximum	40	46	41	42	43	40	43	42	45	42	40	45	55	37	42	42	35	50	40	26	32	40	17	13	18	20	20	14	25	26	20	31.9
	Minimum	16	24	33	33	32	26	35	33	40	30	30	36	32	20	30	29	24	31	20	5	4	17	−14	−14	−13	−9	−6	5	10	17	−1	17.9
Parkersburg	Maximum	40	46	41	44	42	44	44	46	46	43	44	51	56	56	43	36	38	52	28	21	32	39	4	10	14	19	8	15	22	23	12	34.3
	Minimum	23	31	37	34	30	30	34	33	40	30	33	34	27	23	33	29	26	25	15	11	7	−15	−16	−12	−9	−6	−7	2	8	6	−2	17.3
Parsons	Maximum	..	47	43	43	43	45	46	38	45	38	38	46	52	55	41	44	44	47	43	28	33	42	2	10	18	30	17	10	25	26	23	35.4
	Minimum	..	23	35	29	28	25	37	30	37	20	29	31	29	21	25	29	30	34	24	8	5	−5	−15	−6	0	10	−6	3	7	16	−2	17.7
Pickens	Maximum	42	48	43	43	34	43	42	45	41	38	40	46	47	53	44	47	46	50	31	29	30	36	30	15	22	25	6	2	25	30	5	34.9
	Minimum	13	21	30	25	22	20	31	22	22	32	25	28	25	19	31	23	25	25	11	8	1	−2	−18	−15	−12	−18	−10	−5	2	5	−12	12.0
Reedsville	Maximum	40	45	45	43	38	43	43	44	45	38	41	42	52	56	51	38	36	52	41	17	26	37	27	11	14	19	18	9	18	21	19	34.5
	Minimum	12	16	33	27	27	19	31	30	32	25	24	32	26	13	20	25	23	33	13	9	−16	14	−18	−15	−31	−22	−12	−2	4	11	−6	12.2
Terra Alta	Maximum	39	40	44	38	..	35	41	32	40	37	..	..	48	51	..	40	31	42	40	15	27	38	23	2	15	20	..	16	17	18	18	31.1
	Minimum	15	19	30	27	..	16	31	25	27	23	..	..	20	13	..	20	21	26	12	9	9	18	−19	−12	−16	−10	..	−12	2	10	−7	11.4
Wellsburg	Maximum	38	42	40	41	41	37	38	38	42	39	41	39	52	53	43	41	35	45	38	20	29	36	22	9	15	20	18	15	22	22	20	33.3
	Minimum	10	12	34	33	30	23	33	30	35	39	33	34	30	18	31	27	22	31	17	4	3	17	−14	−10	−17	−14	−6	3	12	6	−1	16.1
Weston	Maximum	44	47	44	45	42	50	49	44	48	45	42	45	42	64	62	38	38	54	52	32	31	36	28	12	15	23	22	12	25	26	24	37.8
	Minimum	19	26	32	30	29	30	40	32	42	30	31	35	30	19	30	31	30	34	24	14	−2	28	−15	−20	−14	−9	−6	2	9	19	−2	18.6
Wheeling(Dam 12)	Maximum	37	50	42	46	49	44	44	46	46	42	42	54	47	52	44	33	44	49	26	24	32	39	2	15	15	18	8	14	23	24	9	33.9
	Minimum	6	21	28	34	21	25	34	31	32	30	30	34	25	22	26	19	15	19	13	11	14	−14	−15	−7	−8	−4	5	4	6	1	−1	14.9
Southern Division																																	
Beckley	Maximum	49	45	47	43	43	42	43	37	46	43	47	53	52	56	46	55	51	53	41	34	31	36	22	16	24	27	22	20	25	23	20	38.5
	Minimum	20	21	31	21	23	24	34	28	29	28	26	28	27	25	31	27	27	33	11	8	−5	16	−19	−10	−7	11	−12	−12	−8	13	−8	15.0
Bluefield	Maximum	42	46	51	40	..	44	49	44	50	45	49	..	55	58	51	55	51	55	..	53	30	40	33	15	26	..	31	11	25	24	21	40.5
	Minimum	23	35	32	30	..	26	42	31	30	30	33	..	32	23	36	32	30	38	..	11	6	22	−13	−5	6	..	−6	−1	−1	16	−5	19.7
Charleston	Maximum	45	45	45	44	47	53	51	47	49	46	46	52	56	62	61	61	55	54	47	31	35	44	35	20	20	25	24	18	27	26	26	41.8
	Minimum	26	32	39	33	35	37	42	35	36	34	34	35	36	37	36	33	33	34	17	17	7	27	−9	−4	4	10	−2	5	5	21	2	23.5
Gary*	Maximum	51	57	40	45	45	54	51	47	54	47	51	55	61	51	46	59	60	59	48	33	37	43	15	18	25	29	10	13	27	21	13	40.9
	Minimum	−8	29	38	29	31	27	36	34	38	33	32	29	23	23	31	35	33	32	33	16	−1	0	−8	−8	−4	14	−4	−4	−3	5	−2	18.0
Hinton*	Maximum	49	43	41	39	50	44	49	40	46	51	50	60	58	58	45	58	50	50	45	37	40	40	18	21	24	35	17	17	29	31	20	40.5
	Minimum	13	25	35	30	30	30	33	32	35	36	30	34	28	25	28	33	34	45	37	17	11	11	−8	−3	12	14	−1	5	4	12	0	21.4
Huntington	Maximum	44	44	40	43	49	43	42	47	48	48	47	58	56	60	52	52	39	57	40	26	35	40	13	19	18	24	20	15	25	28	17	38.4
	Minimum	24	34	37	32	31	33	40	36	44	33	35	35	38	23	33	32	32	33	22	9	4	13	−12	−8	2	3	−5	2	4	17	0	21.2
Madison	Maximum	46	39	38	35	40	45	44	50	41	46	37	48	54	47	49	58	57	55	25	23	34	43	10	17	20	15	11	7	25	27	5	35.4
	Minimum	24	33	29	29	25	38	30	33	30	29	28	34	21	25	30	31	33	21	15	0	3	−10	−9	−7	5	−7	−7	−2	5	−1	−7	16.3
Point Pleasant	Maximum	45	43	40	42	45	40	42	43	47	47	45	55	51	59	57	48	38	50	43	26	34	40	29	15	18	23	21	17	25	26	25	38.0
	Minimum	20	27	35	31	29	30	38	33	41	32	33	35	37	20	32	31	28	32	20	13	1	29	−14	−18	−6	−5	−6	2	5	18	−2	19.4
Rainelle	Maximum	41	37	41	35	40	35	41	36	38	41	43	51	48	50	46	47	49	49	47	20	31	38	31	12	22	29	24	8	24	24	19	35.4
	Minimum	21	24	33	26	25	19	30	30	30	29	26	29	25	16	27	27	29	35	15	10	−7	10	−19	−18	−7	9	−9	−2	−4	15	−6	15.1
Ravenswood	Maximum	47	48	45	44	46	44	46	44	47	45	45	50	57	57	57	47	47	54	50	38	35	49	36	27	20	21	26	20	25	28	29	41.1
	Minimum	18	25	35	35	35	35	35	35	35	35	35	35	35	25	34	26	29	36	20	10	−3	22	−13	−22	−9	−9	−5	3	4	18	−1	19.1
Richwood	Maximum	50	52	53	52	45	55	48	43	47	44	53	55	59	60	53	57	53	56	56	28	32	44	33	10	27	32	34	10	34	34	20	43.0
	Minimum	18	24	27	32	34	26	36	32	33	31	29	33	34	23	33	28	31	34	17	12	0	−16	−15	−16	1	17	−10	−4	2	11	−5	17.0
Robertsburg*	Maximum	47	45	40	45	47	46	41	48	49	48	38	55	53	58	47	47	55	52	46	25	34	44	34	21	16	25	12	14	24	27	15	38.6
	Minimum	−9	24	34	31	30	30	37	35	35	34	33	32	36	20	21	31	30	30	22	4	−1	1	−13	−16	−16	−6	−8	−6	3	4	−6	15.4
Ryan	Maximum	44	36	33	38	40	43	45	45	45	38	39	44	50	55	55	50	40	45	35	17	28	35	10	11	11	23	5	7	20	20	14	32.9
	Minimum	14	16	29	25	21	23	32	30	35	28	24	24	25	13	21	25	32	27	15	2	−15	10	−23	−30	−16	−16	−19	−6	−10	12	−18	10.7
Spencer*	Maximum	46	47	45	45	45	50	41	46	46	41	44	57	50	49	46	46	50	54	40	23	32	42	27	13	13	23	7	13	25	23	13	36.9
	Minimum	21	25	38	37	31	30	36	34	35	32	31	37	34	20	38	30	30	40	25	15	−3	27	−14	−23	−11	−10	−7	3	3	18	−3	19.3
Sutton	Maximum	45	45	44	42	44	52	52	47	47	46	44	53	53	60	60	50	50	50	30	22	33	35	35	13	17	25	25	12	25	25	24	38.9
	Minimum	19	25	36	30	31	28	41	34	44	34	30	36	31	19	28	31	31	32	21	11	−6	17	−11	−11	−9	3	−6	3	14	23	−2	19.7
White Sulphur Spgs.	Maximum	48	45	39	37	48	43	41	36	40	45	41	30	55	58	41	53	46	48	38	30	33	45	12	18	24	33	12	18	30	30	18	36.0
	Minimum	32	30	25	30	25	30	33	31	33	30	30	22	17	22	29	29	32	35	13	−4	3	−10	−12	−1	14	−5	−2	−7	15	−2	0	16.7
Williamson*	Maximum	46	51	42	43	45	56	46	51	49	48	52	58	54	62	51	59	58	52	51	30	35	44	12	20	26	27	15	22	28	28	20	41.8
	Minimum	−1	27	36	31	31	30	38	34	36	34	34	31	31	27	27	35	35	35	29	18	6	7	−6	−5	1	11	−2	−2	5	12	3	20.3

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 2-28-36—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIV PARKERSBURG, W. VA., FEBRUARY, 1936 No. 2

GENERAL SUMMARY

February was unusually cold. The cold weather of December, January, and the first two decades of February made this period one of the coldest of record. Temperatures were generally below zero on the 1st, 8th, 19th, and 20th, with readings from 15° to 25° below zero in many districts on the mornings of the 1st and 8th. The warmest weather prevailed during the last few days of the month, the highest temperatures occurring in nearly all sections on the 25th or 26th. The precipitation averaged much below the normal. The greater portion of the precipitation was snow, and fell mostly during the first half of the month. The total snowfall at Parkersburg for the three months, December, January, and February, was the heaviest of record. On the 7th, a heavy snowstorm, accompanied by high winds and much drifting, demoralized traffic on all highways of the southern section. On the afternoon of the 17th, a cold wave of considerable severity overspread the State, attended by snow and unusually cold weather, temperature readings on the morning of the 19th were generally below zero. Navigable streams of the State were frozen or full of heavy floating ice during most of the month, and navigation was suspended. Sleet, light to heavy, occurred in scattered localities on the 3d, 13th, 14th, 16th, and 17th. As a whole, the month was decidedly unfavorable for outdoor work, which was generally suspended. Winter grains were well protected during the cold periods by a good snow cover, and at the close of the month were generally in fair to good condition.

TEMPERATURE

The average temperature for the northeastern panhandle division was 26.1°, or 6.0° below normal; for the northern division, 27.5°, or 4.9° below normal; for the southern division, 30.8°, or 4.1° below normal; and for the State, 28.4°, or 4.7° below normal. The highest monthly mean temperature was 34.6° at Charleston, and the lowest, 23.4° at Wardensville. The highest temperature was 80° at Robertsburg on the 26th, and the lowest, 25° below zero at Ryan on the 1st, making the monthly range for the State 105°. The greatest daily range was 67° at Reedsville on the 8th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 2.67 inches, or 0.25 inch more than the normal; for the northern division, 2.69 inches, or 0.52 inch below normal; for the southern division, 2.47 inches, or 0.73 inch below normal; and for the State, 2.61 inches, or 0.50 inch below normal. The precipitation was the greatest over the northeastern panhandle and mountain districts, and least in the extreme western counties. The greatest monthly precipitation was 4.94 inches at Pickens, and the least, 0.90 inch, at Dam No. 26, Ohio River. The greatest amount in any 24 consecutive hours was 1.95 inches at Parsons on the 4th. The average monthly snowfall, 10.8 inches, was more than 2.0 inches above normal. The greatest monthly snowfall was 22.2 inches at Beckley. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

Fogs, dense: 1st, 1; 4th, 1; 13th, 3; 14th, 9; 21st, 1; 25th, 1; 26th, 6.

RIVER

Flood stages prevailed in the Little Kanawha River on February 14-15, caused by moderately heavy rains and melting snow. The following crest stages, in feet and tenths, were noted: Creston, 23.9 feet, and Glenville, 24.0 feet.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.12	30.46	1	29.27	4	8.9	34	sw.	4	78	62	66	51
Columbus, Ohio	30.11	30.45	6	29.25	4	10.7	43	sw.	4	75	61	69	53
Elkins	30.15	30.59	8	29.44	4	6.7	30	sw.	27	90	61	73	44
Parkersburg	30.15	30.50	8	29.39	4	6.9	30	sw.	4	82	58	68	32
Pittsburgh, Pa	30 08	30.50	8	29.30	4	11.2	45	sw.	4	85	68	73	60
Wytheville, Va	30.10	30.56	8	29.56	4	7.8	30	w.	27	83	63	68	53

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	......	......	2.09	5.23	5.79	5.39	......	......	......	......	......
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	......	......	......
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	......	......	......
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	0.31	0.97	0.95	**0.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	0.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.32	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.95	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	− 5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	− 3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	0.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
Period	33.1	86	−35	2.42	3.21	3.20	3.11	8.6	10	9	6	13

Climatological Data for February, 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	23.7	−5.9	55	†25	−21	8	60	3.31	−0.19	0.85	12.0	11	11	7	11	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	27.3	−7.4	60	25	−21	8	53	2.45	+0.69	1.15	20.0	6	14	5	10	s.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	....	3.15	......	1.80	2.2	9	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......	....	3.14	+0.88	1.89	8.1	8	....	....	....	......	Sherman Harrison
Kearneysville	Jefferson	548	6	25.2	......	53	29	−9	8	35	2.94	......	1.25	13.0	7	11	8	10	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	^{a}25.3	−6.1	^{a}55	†25	−5	8	^{a}40	2.35	−0.05	0.80	13.0	7	23	4	2	w.	Dr. H. S. Gardner
McNeill	Hardy	900	40	25.8	−8.5	60	29	−22	8	57	2.64	+0.51	1.15	10.0	4	6	10	13	w.	John W. McNeill
Piedmont	Mineral	1,053	23	25.8	−8.0	61	25	−6	8	37	3.19	+0.95	1.57	16.0	7	13	7	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	27.2	−7.0	65	25	−20	8	54	2.96	+1.06	1.55	16.5	8	10	6	13	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	....	1.49	−1.36	0.80	20.0	4	....	....	....	......	A. C. Becker
Upper Tract	Pendleton	1,230	37	29.5	−4.0	62	25	−10	8	50	1.52	−0.14	0.86	9.0	4	5	13	11	......	Mrs. J. M. Mallow
Wardensville ^{a}	Hardy	1,200	15	23.4	−10.4	60	25	−17	8	56	2.91	+1.20	1.88	11.0	8	9	9	10	n.	Reymann Memorial Farm
Division averages	and extremes	......	....	**26.1**	**−6.0**	**65**	**25**	**−22**	**8**	**60**	**2.67**	**+0.25**	**1.89**	**12.6**	**7**	**11**	**8**	**10**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	....	2.92	−0.18	0.80	7.0	9	4	14	11	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	....	2.21	......	0.43	6.5	10	6	10	13	......	D. N. Furbee
Alpena	Randolph	2,571	6	25.8	......	65	26	−5	†8	48	3.45	......	0.75	30.0	11	10	10	9	......	Christian Hertig
Benson	Harrison	1,080	12	......	......	71	26	−10	19	....	2.55	−1.16	0.55	8.0	9	10	10	9	......	R. D. Marts
Bens Run	Pleasants	652	34	26.7	−6.1	65	†26	−5	19	39	1.68	−1.43	0.39	7.0	9	20	4	5	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	29.0	−8.6	72	†26	−16	1	60	2.25	−0.82	0.50	8.0	7	7	15	7	......	W. B. Worley
Buckhannon	Upshur	1,411	39	29.0	−4.1	75	26	−10	8	52	3.14	−0.62	0.72	11.0	7	13	11	5	......	H. A. Darnall
Cairo ^{c}	Ritchie	680	35	27.0	−7.2	74	27	−24	1	45	1.84	−1.13	0.80	5.5	8	11	3	15	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	25.6	−9.0	70	26	−10	1	50	2.45	−0.59	0.57	9.0	10	8	13	8	w.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	....	2.85	−0.47	0.58	9.0	8	8	7	14	sw.	George W. Blair
Creston	Wirt	640	34	27.8	−6.9	72	26	−20	1	46	2.37	−0.82	0.55	6.0	10	11	3	15	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	....	2.80	−0.07	0.68	10.5	12	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	....	2.03	−0.84	0.58	....	13	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Monongalia	882	15	......	......	......	......	......	......	....	2.70	−0.29	0.62	10.0	11	....	....	....	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	....	2.51	−0.96	0.50	17.0	12	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	......	......	......	......	......	......	....	1.68	−1.18	0.44	6.0	8	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	35	27.5	−4.1	68	26	−6	8	46	2.92	−0.28	1.18	10.4	13	4	9	16	w.	U. S. Weather Bureau
Fairmont	Marion	883	30	27.8	−5.3	72	26	−5	19	48	2.31	−0.71	0.51	8.7	12	12	5	12	s.	J. C. Robinson
Glenville	Gilmer	738	42	30.7	−3.9	77	27	−19	1	59	2.73	−0.84	0.74	4.5	10	9	10	10	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	29.8	−2.8	72	26	−5	†8	53	3.34	+0.43	0.85	9.0	7	14	1	14	......	W. E. Clayton
Hastings	Wetzel	809	1	31.3	......	76	†26	−10	8	63	2.92	......	0.57	4.2	10	9	8	12	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	....	2.32	......	0.75	....	7	....	....	....	......	Foster R. Hardman
Janelew (near)	Lewis	1,020	13	29.6	−8.5	72	†26	−12	8	59	2.02	−0.75	0.71	7.5	6	18	5	6	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	28.6	−4.1	74	26	−11	19	65	1.49	−1.59	0.40	7.3	9	10	9	10	w.	Allen Smith
Mannington	Marion	985	33	26.0	−6.8	67	†26	−20	1	52	2.94	+0.04	0.57	9.5	11	8	10	11	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	27.4	−5.4	65	†25	−6	†19	52	2.89	+0.33	0.75	11.5	8	16	4	9	sw.	Bruce Davis
New Cumberland	Hancock	671	38	24.9	−4.2	67	27	−10	19	36	1.73	−0.71	0.50	14.5	11	13	6	10	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	27.7	−5.8	70	26	−7	19	51	2.89	+0.05	0.62	11.0	11	10	7	12	n.	Wm. Ankrom
Parkersburg	Wood	561	49	27.8	−6.4	73	26	−8	19	39	1.92	−1.31	0.41	10.4	15	7	9	13	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	28.4	−3.3	69	26	−11	8	51	4.00	+0.48	1.95	....	5	8	7	14	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	....	3.11	−0.41	0.80	12.0	10	14	2	13	......	Robert T. Deem
Philippi	Barbour	1,550	39	......	......	......	......	......	......	....	3.31	+0.13	1.10	11.0	9	....	....	....	......	H. F. Brittinham
Pickens	Randolph	2,697	33	27.3	−4.6	68	26	−16	19	54	4.94	−0.15	1.20	20.0	10	11	5	13	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	24.1	......	67	†26	−23	8	67	3.79	......	1.60	10.0	9	20	8	1	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	....	2.42	−0.96	0.45	10.5	8	8	6	15	......	Miss Mary A. Conrad
Terra Alta ^{c}	Preston	2,559	35	23.8	−5.0	55	25	−17	10	52	4.03	+0.44	0.66	8.6	11	9	7	10	w.	E. R. Wagner
Thomas	Tucker	2,950	7	......	......	......	......	......	......	....	2.92	......	0.97	5.5	9	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	29.0	−9.5	72	26	−13	1	49	2.46	−0.61	0.48	9.0	10	6	13	10	sw.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	....	4.21	+1.19	1.50	....	6	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	29	24.1	−5.9	68	26	−12	20	47	2.15	−0.04	0.72	4.0	9	15	5	9	w.	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	....	2.95	−0.38	1.00	....	6	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	31.6	−2.3	70	26	−14	1	55	2.89	−0.71	0.72	8.8	11	0	20	9	......	A. Henry
Wheeling (Dam 12)	Ohio	659	49	24.6	−7.5	68	26	−4	19	47	1.90	−0.45	0.60	12.0	10	6	9	14	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	....	2.04	......	0.48	6.0	8	....	....	....	sw.	R. W. Rist
Division averages	and extremes	......	....	**27.5**	**−4.9**	**77**	**27**	**−24**	**1**	**67**	**2.69**	**−0.52**	**1.95**	**9.4**	**9**	**11**	**7**	**11**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	....	2.43	......	1.00	16.5	8	....	....	....	w.	H. S. Sutton
Bancroft	Putnam	574	32	31.9	−3.0	77	26	−9	1	50	1.99	−1.10	0.42	6.0	11	15	3	11	w.	Charles N. Long
Beckley	Raleigh	2,440	33	29.7	−5.0	68	26	−8	12	42	3.19	+0.24	0.78	22.2	14	6	12	11	......	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	41	32.2	−2.6	68	26	4	†1	42	4.05	+1.12	1.10	16.5	9	12	3	9	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	34.6	−4.6	74	26	−1	1	36	1.91	−1.40	0.42	8.2	7	11	6	12	......	S. E. Damron
Clay	Clay	706	20	......	......	......	......	......	......	....	1.42	−1.84	0.42	9.4	10	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	......	......	......	......	......	......	....	1.68	−1.20	0.31	......	9	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	....	1.59	−0.98	0.32	......	11	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	....	2.21	−0.55	0.50	......	9	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	....	1.10	......	0.24	......	11	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	....	0.90	−2.03	0.19	......	10	....	....	....	......	U. S. Engineers Office
Gary	Mc Dowell	1,426	20	31.6	−6.3	70	26	−6	1	50	3.85	+0.71	1.10	15.0	10	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	32.5	−3.0	75	26	0	12	44	3.48	+0.59	1.16	16.0	11	11	3	15	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	33.0	−1.7	75	26	−2	1	43	1.43	−1.65	0.45	6.6	9	4	14	11	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	....	2.78	+0.14	1.00	12.0	9	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	....	2.62	−0.82	0.73	17.6	13	....	....	....	......	Cabin Creek. Con Coal Co
Logan	Logan	700	33	......	......	......	......	......	......	....	2.19	−1.31	0.63	11.0	12	....	....	....	......	J. R. Wampler
Madison	Boone	675	15	29.2	−4.4	76	26	−2	8	52	2.38	−0.85	1.17	7.5	4	3	3	23	......	W. E. Holy
Point Pleasant	Mason	595	43	30.5	−2.9	74	26	−11	1	47	1.58	−1.57	0.38	7.0	12	10	10	9	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	28.2	......	69	26	−18	1	49	4.29	......	1.20	20.0	12	9	5	15	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	32.6	−6.2	76	26	−8	19	46	1.30	−1.67	0.20	......	9	12	1	16	ne.	Lockmaster
Richwood	Nicholas	2,193	6	30.6	......	73	27	−13	1	52	3.11	......	0.90	22.0	10	8	12	9	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	^{d}27.2	−6.9	80	26	^{d}−14	1	^{d}50	1.30	−1.74	0.26	5.5	10	10	0	19	......	M. Frazier
Ryan	Roane	700	33	24.0	−10.3	70	26	−25	1	53	1.69	−1.59	0.38	7.6	10	9	8	12	......	Wm E. Ryan
Spencer	Roane	789	32	30.2	−5.0	74	26	−13	1	47	4.47	+1.32	1.81	7.0	10	10	7	12	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	....	3.05	......	0.88	14.0	7	....	....	....	......	Carl Perry
Sutton	Braxton	850	30	^{b}30.8	−5.3	74	†26	^{b}−17	1	^{b}51	3.52	+0.08	0.90	13.0	8	17	0	12	......	C. B. Eakle
Union ^{d}	Monroe	2,250	32	32.4	−2.8	74	27	−8	†8	51	3.63	+0.78	1.18	19.0	7	14	9	2	......	C. B. King
Wayne	Wayne	598	9	......	......	......	......	......	......	....	2.04	......	0.44	7.5	9	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	26	30.2	−5.3	71	26	−15	8	50	4.00	+1.37	1.60	......	6	17	4	8	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	33.4	−4.0	74	26	0	1	41	2.38	−0.97	0.66	10.0	11	9	6	14	se.	J. E. Dotson
Division averages	and extremes	......	....	**30.8**	**−4.1**	**80**	**26**	**−25**	**1**	**53**	**2.47**	**−0.73**	**1.81**	**12.1**	**10**	**11**	**6**	**12**	**w.**	
State averages and	extremes	......	....	**28.4**	**−4.7**	**80**	**26**	**−25**	**1**	**67**	**2.61**	**−0.50**	**1.95**	**10.8**	**9**	**11**	**7**	**11**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for February, 1936

Stations	Drainage-basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac				.20		.20	.85		.08	.49			.35	.33	.10		.11		.20							.40						3.31
Brandywine	do				.10			1.15		.15				.20	.70	.15		T.															2.45
Circleville	do				.17	.09		.57	.03	.08					1.80	.14			.23				.04										3.15
Harpers Ferry ‖‖	do				.23			.29	.24	.14				.08	1.89	.15			.12														3.14
Kearneysville	do			T.	T.			.55	T.	.14				.65	1.25			.18	.09									.08					2.94
Martinsburg ‖‖	do				.25			.80	.25	.10				.10	.75			T										.10					2.35
McNeill	do			T.	T.			.60		T.				1.15	.75	.14		T.															2.64
Piedmont	do				.16			.46		.07				.35	1.57				.17								.41						3.19
Romney‖‖	do				.06			.55						.61	1.55	.08		.05								.05		.01					2.96
Stony River Dam	do							.80	.12					.28					.29														1.49
Upper Tract	do							.86						.10	.46													.10					1.52
Wardensville‖‖	do				.08	T.		.48	.05	.04				.16	1.88	.16			.06									T.					2.91
Northern Division																																	
Aberdeen	Monongahela			T.	.22			.42				T.		.35	.61	.47		.17	.63								.02	.03					2.92
Alma (near)	Ohio			.01	.24			.35						.43	.16	.16		.16	.21								.33	.16					2.21
Alpena	Monongahela			.75			T.	.60	T.		.35	.12	.12	.75	.25		.17			.20	.04	.10		T									3.45
Benson	do				.30			.40				.05		.30	.47	.30		.08	.55									.10					2.55
Bens Run	Ohio				.08			.16						.15	.18	.15		.12		.15							.39	.30					1.68
Brownsville	Monongahela							.33				T.		.34	.50	.36		.28	.41									.03					2.25
Buckhannon	do			T	.20			.60				T.		.70	.72	.40		.22	.30														3.14
Cairo	Litl.Kanawha				.10			.30						.80	.07		.03	.05									.30	.19					1.84
Clarksburg‖‖	Monongahela				.14			.35	.06					.16	.57	.20		.04	.54								.28	.11					2.45
Crawford‖‖	do				.23			.44				T.		.58	.48	.53		.21	.31				T.					.07					2.85
Creston‖‖	Litl.Kanawha				.27			.55	T.	.09				.15	.30	.34		.07	.39	T.							.07	.14					2.37
Dam 10, Mon. R.‖‖	Monongahela				.12	.04		.23	.17	T.		T.	.01	.13	.68	.03	T.	.27	.61								.32	.19					2.80
Dam 13, O. R.‖‖	Ohio				.08	.14		.07		.01		.01		.16	.58	.10		.08	.36								.30	.12	.02				2.03
Dam 15, Mon. R.‖‖	Monongahela				.12	.08		.32	.11			T.	T.	.14	.62	.22		.09	.44	T.							.44	.12					2.70
Davis ‖‖	do	T.	T.	T.	.20	.19		.49	.14	.08	.09	.06		.21	.50		T.	.10	.40	T.	T.	T.						.05		T.			2.51
Elizabeth(D'm 3 LK)	Litl.Kanawha				.04			.44						.19	.18	.23			.35								.07	.18					1.68
Elkins***	Monongahela			T.	.17	T.	.21	.39		.04	T.	.02		1.03	.45	.02	.01	.24	.25				T.					.05		.04			2.92
Fairmont‖‖	do		T.	.35	.10		.20	.08			.02		.08	.51	.23		.02	.23								.37	.12						2.31
Glenville ‖‖	Litl.Kanawha		T.	T.	.31	.04		.18	.09			T.		.07	.74	.42		T.	.34	.06							.48						2.73
Grafton ‖‖	Monongahela			T.				.85				T.		.45	.58			.55	.43							.38	.10						3.34
Hastings	Ohio			.02	.32			.27				T.		.57	.28	.25		.18	.36								.46	.21					2.92
Horner	Monongahela				.17			.25					.10	.60	.75										.25		.20						2.32
Horton	do																																.....
Janelew (near)	do							.45						.26	.45	.20		.10	.56														2.02
Lost Creek	do				.11			.40		T.		T.		.08	.33	.08	T.	.09	.31								.03	.06					1.49
Mannington	do			.02	.31			.30		T.		.02		.52	.37	.15		.19	.34								.57	.15					2.94
Morgantown	do			T.	.10			.45				.06		.55	.50		T.	.18	.30								.75			T.			2.89
New Cumberland‖‖	Ohio				.26			.05		.06	T.	T.	T.	.50	.35	.05	.06	.10	.06							T.	.17	.07					1.73
New Martinsville	do			.04	.40			.15				T.		.62	.20	.08	T.	.12	.22							.31	.55	.20					2.89
Parkersburg***	do			.01	.16		.06	.19		.02		T.	.05	.34	.17		.03	.22	.07				.01			.40	.17	.02					1.92
Parsons	Monongahela			T.	1.95					T.				.60	.80			.35	T.							T.			.30				4.00
Parsons No. 2	do				.30			.47				.04		.65	.80	.29		.23	.27								.01	.05					3.11
Philippi	do				.16			.45						.06	1.10	.60		.05	.75								.06	.08					3.31
Pickens	do	.22			1.20		.06	.70					.07	.85	.70	.34		.40	.40														4.94
Reedsville	do				.60			.32	.08				.14	1.60			.33	T.	.30							.40	.02						3.79
Roanoke	do				.16			.43		T.				.45	.38	.37		.17	.45									.01					2.42
Saint Marys‖‖	Ohio			.01	.16			.20	.02	T.		T.		.28	.21	.21		.06	.36								.44	.28					2.23
Terra Alta	Monongahela			T.	.44			.18			.60	.05		.49	.75	.11		.24	.66								.40	.11					4.03
Thomas ‖‖	do			T	.19	.18		.52	.08					.20	.97	.31			.38	T.				T.				.09					2.92
Valley Chapel	do			T.	.23			.38				.03		.31	.45	.20		.18	.48								.05	.15	T.				2.46
Vandalia	do				1.50									.95	.64	.40		.25				.47											4.21
Wellsburg	Ohio				.25			.04						.72	.27	.08		.24	.05								.40	.10					2.15
West Milford	Monongahela			.90											1.00	.30		.20					.35					.20					2.95
Weston	do				.21	.10		.30	.06		T.	T.	T.	.19	.63	.48		.05	.72		.04						T.	.11					2.89
Wheeling(Dam 12)‖‖	Ohio				.09	.10		.15		T.		T.		.24	.60	.06		.05	.18				T.				.30	.13					1.90
Woodlands‖‖	do				.05	.18		.08						.48					.36						.34		.34	.21					2.04
Southern Division																																	
Arbovale	Gr. Kanawha			T.	.10			1.00		.16	T.				.65	.25		.20	.04		T.		T.					.03					2.43
Bancroft ‖‖	do				.40	.11		.42		.06				.15	.13	.30		.08	.11							.06		.17					1.99
Beckley	do	T.	.04	.04	.42			.78		.03	T.	.02		.16	.50	.40		.19	.26		.04	T.	T.		.04			.27					3.19
Bluefield	do				.45			1.10						.85	.89	.19		.11	.26		.03							.17					4.05
Camden-on-Gauley	Gauley			.02	.20	.03		1.02	.05	.04		.02		.12	1.05	.27		.10	.42				.01					.20					3.55
Charleston	Gr. Kanawha				.23			.42				T.		.30	.10	.30		T.	.16			T.						.40					1.91
Clay‖‖	do			.01	.17			.42	.16	.09		T.	T.	.09	.18			.12	.14	T.								.04		T.			1.42
Dam 3 G. K. ‖‖	do		T.	T.	.13	.22		.50	.08	.01		T.	T.	.10	.32	.36		.05	.32	T.				T.				.30					2.39
Dam 6 G. K. ‖‖	do		T.	T.	.11	.10		.30	T.	.02		.02	T.	.11	.20	.27			.24				T.	T.				.31					1.68
Dam 19 O. R. ‖‖	Ohio			.01	.11			.25	.03	T.		T.		.32	.15	.13		.03	.13				T.			T.	.22	.21					1.59
Dam 20 O. R. ‖‖	do		T.	T.	.12			.28	T.	.02		T		.22	.15	.32		T.	.50				T.				.40	.20					2.21
Dam 25 O. R. ‖‖	do				.16			.02	.04	.07				.11	.10	.19		.02	.10								.05	.24					1.10
Dam 26 O. R. ‖‖	do				.19	.04		.04		.03				.12	.10	.15			.06									.16	.01				0.90
Gary ‖‖	Big Sandy			.37	.28			1.10		.83				.11	.30	.11			.46							.04		.25					3.85
Hinton‖‖	do	T.	.04	.40	.08		1.00	.02	.10	T.	T		.15	1.16	.10			.38	T.	T.	T.							.05					3.48
Huntington	Ohio				.27			.45		.04		T.		.19	.16	.06	.01	.10	.15				T.										1.43
Kanawha Falls‖‖	Gr. Kanawha		T.	T.	.12	.15		1.00	T.				T.	.10	.52	.27		T.	.45	.01								.16					2.78
Kayford‖‖	do		T.	T.	.16	.08		.73	.07	T.		T.	.04	.07	.23	.39		.05	.45	.02				.01				.32					2.62
Logan‖‖	Guyandotte		.02	T.	.34	T.		.60	.03	.09		T.		.05	.17	.20	.03	.07	.32	T.				T.				.27					2.19
Madison	Gr. Kanawha	.17					.75											1.17									.29						2.38
Point Pleasant‖‖	Ohio				.14	.04		.38	T.	.04		.02		.12	.12	.22	T.	.08	.18				T.				.04	.20					1.58
Rainelle	Meadow Creek			.01	.38	T.		1.20		.04		.01		.77	.82	.50		.18	.30				.01					.07					4.29
Ravenswood(Dam 22	Ohio‖‖				.20			.20						.18	.13	.18		.05	.15							T.	.05	.16					1.30
Richwood	Gr. Kanawha				.18			.90				.02		.45	.60	.25		.27	.28				.02					.14					3.11
Robertsburg‖‖	do				.26	.03		.15						.19	.12	.16		.21	.06							.03	T.	.09					1.30
Ryan	do				.22			.38		.03		.01		.30	.30	.01		.12	.31				.01										1.69
Sharples‖‖	Coal River																																.....
Spencer ‖‖	Gr. Kanawha			.50	1.81	.42		.24				T.		.61	.32			T.	.22				T.	.23			.05	.07					4.47
Summersville	do				.14			.88		.03					.80	.32			.55									.33					3.05
Sutton	Gauley				.30			.60						.90	.60	.45		.15	.42		T.	T.			.10								3.52
Thornwood	Gr. Kanawha			.15			.51							1.95	.23			.11															2.95
Union	do				.53			.90						.20	1.18	.20		T.	.55									.07					3.63
Wayne‖‖	Big Sandy		.01		.24			.44						.19	.18	.31		.10	.28									.29					2.04
White Sulpr. Spgs.‖‖	Gr. Kanawha			.40			T.	1.00						1.60	.20			.50									.30						4.00
Williamson‖‖	Big Sandy		.03	.02	.44			.66	T.	.07				.03	.12	.15		.15	.35	T.			T.					.36					2.38

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	12	32	29	48	25	30	22	39	30	21	8	30	31	47	45	51	43	40	15	33	34	32	40	54	55	55	50	45	52	....	....	36.1
	Minimum	−4	8	6	20	8	2	12	−21	16	4	2	5	21	25	25	10	27	4	−5	−12	0	13	−3	18	45	35	30	22	16	....	....	11.3
Brandywine	Maximum	24	34	35	45	35	36	33	32	36	30	24	32	32	40	46	45	45	42	32	32	30	30	44	54	60	58	52	45	55	....	....	39.2
	Minimum	−4	16	19	24	18	6	15	−21	19	10	2	−2	24	25	31	13	30	17	4	3	10	14	4	22	34	32	34	28	19	....	....	15.4
Kearneysville	Maximum	22	19	20	40	41	27	26	26	38	32	22	28	27	43	44	40	36	36	22	24	31	30	36	39	52	49	52	45	53	....	....	34.5
	Minimum	5	5	13	19	21	11	15	−9	15	13	7	9	10	26	32	19	30	15	4	0	4	10	8	22	33	37	34	30	22	....	....	15.9
Martinsburg*	Maximum	25	25	25	42	34	25	25	33	40	33	25	32	33	43	42	38	33	26	23	25	32	33	36	40	55	48	55	48	..	....	....	34.8
	Minimum	8	8	12	18	22	16	16	−5	0	16	12	10	10	20	20	25	25	25	5	2	3	10	10	19	25	34	36	32	25	....	....	15.8
McNeill	Maximum	25	28	28	38	38	31	31	35	36	36	17	35	35	40	42	44	43	37	28	28	30	34	43	38	46	55	53	52	60	....	....	37.4
	Minimum	−4	18	18	20	20	6	18	−22	12	5	10	−2	22	27	32	13	28	17	2	−1	5	15	1	16	32	34	30	24	18	....	....	14.3
Piedmont	Maximum	18	29	20	39	24	32	28	31	33	18	16	35	27	38	45	42	36	26	20	25	30	29	38	50	61	45	50	43	56	....	....	33.9
	Minimum	4	13	15	20	16	14	18	−6	18	11	10	12	23	26	30	17	26	13	1	−2	11	12	11	32	42	40	35	30	24	....	....	17.8
Romney	Maximum	25	32	29	42	41	32	28	34	39	35	21	40	34	41	47	47	38	37	28	30	32	33	38	41	65	48	54	49	61	....	....	38.7
	Minimum	6	14	17	21	19	11	18	−20	15	14	11	9	19	26	32	14	29	16	1	−2	5	14	3	17	32	33	32	31	21	....	....	15.8
Upper Tract	Maximum	26	35	32	50	27	45	40	40	39	34	30	40	36	46	50	52	46	36	35	27	30	31	46	51	62	56	52	48	59	....	....	41.4
	Minimum	2	15	18	23	20	8	18	−10	23	11	9	4	24	28	30	16	32	15	5	4	10	17	8	24	33	37	33	29	23	....	....	17.6
Wardensville	Maximum	24	29	26	26	31	31	25	39	41	28	20	37	33	41	..	49	38	22	29	29	29	23	42	40	60	52	52	49	56	....	....	35.8
	Minimum	−10	−1	−1	20	23	9	15	−17	−8	4	10	0	17	17	32	..	13	19	4	−2	4	11	1	11	28	33	32	29	18	....	....	11.1
Northern Division																																	
Alpena	Maximum	15	32	34	48	26	29	25	37	32	20	10	30	39	44	48	52	43	40	20	32	35	28	45	50	56	65	59	40	52	....	....	37.4
	Minimum	−3	10	16	25	9	0	13	−5	20	4	1	4	23	30	26	16	31	3	−4	−5	4	14	−3	26	41	42	34	20	20	....	....	14.2
Bens Run	Maximum	15	27	35	35	27	28	28	39	38	23	18	29	33	38	38	37	30	31	13	25	32	32	35	51	61	65	65	47	49	....	....	35.3
	Minimum	6	10	16	26	12	7	20	0	16	8	11	5	27	33	25	23	24	2	−5	1	11	17	16	35	44	42	35	30	29	....	....	18.1
Buckhannon	Maximum	18	28	40	50	32	28	28	42	42	28	24	32	42	45	45	54	45	40	18	30	32	33	45	55	65	75	62	43	58	....	....	40.7
	Minimum	−9	14	15	30	13	8	18	−10	25	10	8	1	28	35	29	23	27	8	−4	−2	8	17	8	29	52	42	29	25	24	....	....	17.3
Cairo	Maximum	21	31	37	50	36	27	29	35	49	21	18	35	42	43	44	45	31	33	12	30	32	36	34	55	69	71	74	49	61	....	....	39.7
	Minimum	−24	13	12	33	12	1	21	−6	13	2	11	−2	29	33	28	20	24	7	−11	−7	16	14	10	10	44	40	35	22	23	....	....	14.2
Clarksburg*	Maximinu	17	31	47	59	47	29	28	44	30	15	16	32	42	44	40	48	37	29	17	31	32	30	45	59	66	70	50	45	42	....	....	38.7
	Minimum	−10	−8	13	22	15	3	3	−6	−6	9	9	7	7	31	30	20	21	13	−8	−6	4	15	5	15	30	42	40	28	22	....	....	12.4
Creston	Maximum	20	29	39	50	28	28	29	42	40	26	18	35	42	41	43	41	31	30	14	28	34	30	52	61	67	72	69	43	61	....	....	39.4
	Minimum	−20	16	17	25	13	5	20	−4	20	8	9	−4	29	33	27	22	25	8	−8	−5	6	13	12	26	51	41	36	22	24	....	....	16.1
Elkins	Maximum	18	30	41	53	21	29	24	40	36	19	13	34	43	49	42	55	43	37	18	30	34	24	49	59	63	68	55	42	54	....	....	38.8
	Minimum	0	15	16	18	14	7	7	−6	19	6	6	2	29	34	28	22	29	0	−2	−2	8	10	6	28	55	45	30	25	22	....	....	16.2
Fairmont	Maximum	25	35	45	47	45	33	31	47	31	18	18	37	43	44	46	47	33	28	25	32	35	33	46	54	64	72	52	50	60	....	....	40.6
	Minimum	−3	−3	12	22	14	7	8	−1	−1	9	10	10	14	35	29	22	27	10	−5	−3	1	16	10	16	44	42	40	30	27	....	....	15.1
Glenville	Maximum	23	34	46	51	29	32	33	51	48	32	20	40	48	48	46	44	44	35	23	33	36	38	42	60	69	74	77	50	63	....	....	43.8
	Minimum	−19	16	14	27	15	6	22	−8	24	8	11	−3	30	33	31	23	28	11	−6	−2	12	14	19	28	44	43	41	24	25	....	....	17.6
Grafton	Maximum	20	31	38	50	28	31	30	48	44	28	16	32	43	45	44	52	43	34	20	32	36	31	50	58	66	72	68	46	59	....	....	41.2
	Minimum	−3	13	16	26	16	7	20	−5	28	10	10	5	28	36	29	23	29	12	−5	−2	9	16	9	31	37	44	42	29	25	....	....	18.4
Lost Creek	Maximum	19	36	36	50	29	30	35	55	41	26	16	36	43	46	44	49	41	31	20	34	34	34	50	59	66	74	70	49	60	....	....	41.8
	Minimum	−8	11	10	29	14	3	19	−10	23	3	8	4	26	33	29	19	26	8	−11	−9	2	12	4	26	51	41	38	23	20	....	....	15.3
Mannington	Maximum	17	27	36	48	27	26	26	42	40	25	17	30	42	43	39	45	40	33	14	30	32	30	41	53	62	67	67	42	56	....	....	37.8
	Minimum	−20	5	9	27	13	2	19	−10	22	8	10	2	23	34	24	19	26	6	−10	−9	5	10	4	26	39	40	38	29	23	....	....	14.3
Morgantown	Maximum	14	23	35	47	25	26	22	48	38	21	14	24	44	44	44	48	42	38	12	30	29	27	43	56	65	65	64	59	34	....	....	37.3
	Minimum	−3	7	14	25	10	6	16	−4	21	7	7	8	20	34	33	21	36	5	−6	−6	7	11	8	42	54	42	32	28	29	....	....	17.4
New Cumberlaud*	Maximum	17	25	32	53	27	30	28	37	42	18	18	30	44	46	45	36	24	28	14	27	29	29	41	52	64	65	67	43	48	....	....	36.5
	Minimum	−2	−4	15	24	7	6	16	1	11	8	8	3	22	34	16	8	10	2	−10	−4	5	8	7	28	50	37	31	27	22	....	....	13.3
New Martinsville	Maximum	19	27	33	41	27	28	30	49	41	25	20	34	42	42	40	35	30	30	20	33	34	30	50	55	65	70	68	48	55	....	....	38.7
	Minimum	7	9	15	25	12	4	19	−2	16	9	10	5	25	35	22	21	23	6	−7	−5	9	13	10	29	40	40	35	30	29	....	....	16.7
Parkersburg	Maximum	20	28	43	49	23	26	29	44	38	17	21	34	43	46	37	27	28	21	15	29	31	31	51	61	70	73	48	45	58	....	....	37.4
	Miuimum	−2	15	22	20	12	8	13	5	16	8	11	10	30	33	22	22	21	−2	−8	−1	15	17	18	45	47	44	32	28	30	....	....	18.3
Parsons	Maximum	18	36	34	51	40	30	32	40	37	25	21	35	41	41	47	53	38	43	22	31	35	32	45	55	61	69	60	60	60	....	....	41.1
	Minimum	0	16	17	22	15	7	5	−11	21	10	8	3	26	33	29	21	29	4	−1	−1	9	12	6	26	41	40	21	23	22	....	....	15.6
Pickens	Maximum	30	30	45	50	20	25	28	35	35	30	7	32	42	50	39	50	54	40	38	34	35	37	37	58	50	68	59	50	52	....	....	40.0
	Minimum	15	20	22	27	0	−5	6	−2	15	1	−1	−6	25	32	25	25	27	−1	−16	−1	8	10	11	31	45	45	31	15	20	....	....	14.6
Reedsville	Maximum	14	27	30	46	28	26	25	44	38	23	12	28	41	44	42	44	40	35	13	29	31	25	43	52	61	67	67	45	55	....	....	37.1
	Minimum	−10	4	9	25	10	−7	13	−23	22	5	4	−7	15	32	22	39	25	4	−12	−16	−4	2	−7	21	38	38	35	25	19	....	....	11.1
Terra Alta	Maximum	10	27	25	47	29	25	22	..	..	35	9	27	36	38	41	..	49	40	13	31	30	27	41	51	55	54	51	38	52	....	....	34.7
	Minimum	−4	8	12	22	9	5	13	..	..	−17	3	5	21	27	23	..	19	3	−7	−11	4	10	−1	25	49	39	35	22	21	....	....	12.9
Wellsburg	Maximum	15	27	34	48	27	26	29	39	40	20	17	29	41	45	39	34	28	28	12	28	32	37	41	52	63	68	61	42	51	....	....	36.3
	Minimum	−3	−8	12	25	10	0	17	−8	12	8	9	−4	20	34	16	14	18	3	−6	−12	0	5	1	27	39	37	30	23	25	....	....	11.9
Weston	Maximum	21	35	36	45	44	31	31	50	48	28	16	35	48	59	59	50	49	37	19	34	35	34	59	59	68	70	69	54	60	....	....	44.2
	Minimum	−14	18	16	34	15	9	20	−5	24	10	10	−1	31	35	30	22	23	12	−6	−2	19	18	10	32	45	48	42	29	30	....	....	19.1
Wheeling (Dam 12)	Maximum	15	28	51	50	23	28	32	42	26	16	16	31	43	45	36	29	30	20	12	29	30	38	46	59	61	68	48	47	50	....	....	36.2
	Minimum	−1	4	4	11	7	6	4	2	4	9	10	9	13	20	18	19	20	9	−4	−3	9	12	10	12	42	39	29	29	31	....	....	12.9
Southern Division																																	
Beckley	Maximum	22	33	39	49	33	31	29	34	32	28	23	34	39	55	49	52	48	44	32	37	32	30	52	58	61	68	65	48	57	....	....	41.9
	Minimum	−4	14	24	24	9	7	17	−3	20	6	1	−8	27	33	25	26	28	6	−3	4	23	16	10	35	48	46	34	20	23	....	....	17.5
Bluefield	Maximum	25	..	41	51	36	30	27	34	..	37	20	37	43	55	51	..	52	45	30	37	35	..	..	59	65	68	65	48	57	....	....	43.7
	Minimum	4	..	19	29	13	12	17	4	..	12	5	6	30	34	28	..	31	8	4	14	27	..	..	17	48	46	36	24	29	....	....	20.7
Charleston	Maximum	24	34	43	51	45	31	33	46	46	42	22	39	42	55	53	41	39	36	21	35	37	36	56	65	68	74	73	52	64	....	....	44.9
	Minimnm	−1	22	31	34	17	14	25	10	30	16	13	11	33	37	30	27	28	15	5	10	24	22	24	34	51	45	42	28	30	....	....	24.4
Gary*	Maximum	27	35	46	50	26	36	30	45	39	33	24	40	41	59	53	57	54	38	31	41	39	34	57	63	67	70	55	52	62	....	....	45.0
	Minimum	−6	−3	26	34	18	14	16	−5	−5	13	9	1	5	34	33	29	32	16	7	7	19	22	19	29	31	38	39	26	26	....	....	18.1
Hinton*	Maximum	30	33	41	52	35	33	44	38	42	24	24	36	38	59	54	53	45	27	38	40	37	35	57	66	71	75	59	55	65	....	....	45.0
	Minimum	2	20	23	30	18	16	4	18	12	9	9	0	20	32	33	27	27	19	8	16	20	20	18	22	27	38	39	27	26	....	....	20.0
Huntington	Maximum	25	29	39	50	30	30	38	50	45	29	26	39	44	55	45	35	32	30	23	35	37	39	57	64	69	75	72	52	66	....	....	43.4
	Minimum	−2	21	28	26	14	13	24	7	18	14	12	13	33	36	28	26	26	8	2	6	24	22	26	32	51	46	43	28	29	....	....	22.6
Madison	Maximum	27	35	53	51	16	26	32	50	34	21	25	40	43	33	44	45	38	20	25	40	40	36	39	61	69	76	41	52	64	....	....	40.6
	Minimum	−1	20	30	14	11	13	1	−2	13	10	4	9	31	29	25	27	11	2	4	20	19	19	23	36	38	36	23	25	30	....	....	17.9
Point Pleasant	Maximum	24	30	37	36	29	28	35	49	47	29	35	38	43	48	44	37	30	29	17	33	36	35	56	62	68	74	73	51	65	....	....	41.7
	Minimum	−11	18	25	29	12	8	21	2	14	10	11	5	30	35	25	24	23	3	−1	−1	15	19	22	32	52	42	40	27	29	....	....	19.3
Rainelle	Maximum	22	30	35	47	31	30	29	33	33	29	29	35	38	55	47	46	44	43	30	37	32	32	51	56	61	69	65	48	56	....	....	41.1
	Minimum	−18	16	25	29	10	3	20	−12	22	4	4	−14	23	33	27	25	32	8	−1	4	15	12	8	23	35	33	34	22	20	....	....	15.2
Ravenswood	Maximum	27	34	39	58	41	31	34	46	48	44	35	39	50	51	51	43	38	38	33	35	39	38	55	66	70	76	75	60	64	....	....	46.8
	Minimum	15	17	24	26	12	8	21	0	17	10	11	3	30	35	25	24	24	−6	−8	−3	10	18	12	39	24	42	39	23	41	....	....	18.4
Richwood	Maximum	20	33	42	54	34	34	34	43	37	30	15	40	44	64	55	55	53	45	29	29	36	32	52	58	65	70	73	49	60	....	....	44.3
	Minimum	−13	16	27	29	14	7	21	−9	−6	1	5	−8	30	33	28	30	33	7	1	8	16	17	9	29	38	43	36	22	25	....	....	16.9
Robertsburg*	Maximum	27	30	49	58	49	32	31	50	32	20	25	39	43	52	40	34	32	26	21	36	36	41	55	63	68	80	51	52	63	....	....	42.6
	Minimum	−14	−10	19	28	14	9	13	0	3	11	11	3	11	25	27	24	26	8	−3	0	9	..	..	..	..	43	39	23	24	....	....	13.7
Ryan	Maximum	18	25	33	42	20	25	30	42	32	20	15	32	36	46	35	28	27	25	16	27	27	30	48	56	65	70	62	45	58	....	....	35.7
	Minimum	−25	12	15	20	8	3	16	−11	15	1	5	−6	25	27	23	16	16	2	−11	−7	4	9	9	21	43	39	35	25	28	....	....	12.3
Spencer*	Maximum	22	31	50	52	36	30	33	47	30	21	21	37	50	50	42	38	32	26	20	32	35	34	54	58	69	74	53	48	61	....	....	40.9
	Minimum	−13	18	24	36	15	9	22	0	21	10	11	1	32	28	31	24	26	10	−5	−1	11	18	16	35	48	49	40	23	24	....	....	19.4
Sutton	Maximum	21	33	41	41	38	29	30	49	49	38	18	37	41	52	52	54	54	36	20	31	34	36	54	61	69	74	74	52	60	....	....	44.1
	Minimum	−17	11	17	32	14	..	..	−2	18	12	0	−2	26	27	31	25	29	10	−2	0	10	17	10	28	48	44	41	25	24	....	....	17.6
Union	Maximum	27	..	45	50	42	34	34	43	..	43	21	37	41	56	54	..	56	55	33	39	38	36	..	63	67	72	74	58	57	....	....	47.0
	Minimum	−1	..	18	32	14	10	19	−8	..	10	4	−8	24	33	30	..	24	11	5	10	25	19	..	13	42	33	38	25	20	....	....	17.7
White Sulphur Spgs.	Maximum	30	32	38	51	33	35	30	35	42	24	25	40	39	56	52	53	46	32	34	34	34	33	52	62	66	71	56	53	62	....	....	43.1
	Miuimum	0	15	24	27	15	11	20	−15	18	12	5	−10	23	32	32	20	32	15	5	12	22	16	10	19	35	33	34	24	19	....	....	17.4
Williamson*	Maximum	29	40	52	53	35	34	34	48	35	29	30	43	47	60	52	45	42	34	30	41	45	37	57	64	70	70	54	53	64	....	....	45.8
	Minimum	0	5	24	33	18	17	17	7	7	17	13	11	16	34	32	29	31	14	8	8	20	24	25	28	34	43	41	28	29	....	....	21.1

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 4-6-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

R. P. POWELL

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GENERAL SUMMARY

The past month was warm and exceptionally wet, the average precipitation, 6.21 inches, was the second heaviest of March State record. Unusually heavy precipitation occurred from the 11th to the 13th, 16th to the 19th, and on the 21st. The 24-hour amounts on the 17th, were exceptionally heavy, Romney received 5.00 inches; McNeill, 4.00 inches; Brandywine, 3.75 inches; Elkins, 3.32 inches; and Richwood, 3.06 inches. The excessive rains and melting snow caused floods in practically all streams of the State, with considerable damage. The Ohio River rose far above the flood stages during the period 17th-23d, with the highest stage of record, 55.5 feet, at Wheeling on the 19th. The greatest monthly amounts of precipitation were received over the northeastern and mountain counties, and the least in the southern districts. Warm weather for the season prevailed on the 4th, 10th, and the last days of the month, with the highest temperatures on the 30th. The coldest weather occurred generally on the 2d, 6th, 14th, and 20th, the lowest readings occurring on the 14th and 20th. The average snowfall, 15.9 inches, was the third heaviest of March State record. The snowfall was unusually heavy in the mountain region and in scattered localities of the central counties. On account of the continued wet weather, field operations were generally suspended, and at the close of the month, plowing, potato planting, and gardening were nearly three weeks late. Meadows and pastures were generally in fair condition and making good growth. Fruit buds were seriously injured by severe weather conditions of the past winter and most peach trees were killed.

TEMPERATURE

The average temperature for the northeastern panhandle division was 44.9°, or 3.9° above normal; for the northern division, 44.5°, or 2.7° above normal; for the southern division, 46.6°, or 3.0° above normal; and for the State, 45.3°, or 2.9° above normal. The highest monthly mean temperature was 50.9° at Charleston, and the lowest, 39.6° at Bayard. The highest temperature was 86° at Hastings on the 30th, and the lowest, 10° at Alpena on the 20th, making the monthly range for the State 76°. The greatest daily range was 57° at Brownsville on the 4th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 7.60 inches, or 4.48 inches above the normal; for the northern division, 6.44 inches, or 2.34 inches above normal; for the southern division, 5.29 inches, or 1.11 inches above normal; and for the State, 6.21 inches, or 2.24 inches above normal. The greatest monthly precipitation was 9.94 inches at Romney, and the least, 3.62 inches at Bens Run. The greatest amount in any 24 consecutive hours was 5.00 inches at Romney on the 17th. The average monthly snowfall, 15.9 inches, was more than 10.0 inches above normal. The greatest monthly snowfall was 68.0 inches at Alpena. The average number of days with .01 inch or more of precipitation was 14.

RIVER

The Ohio River was above the flood stage from March 17th to March 31st, inclusive. The following crest stages, in feet and tenths, were noted: Wheeling, 55.5; Marietta, 48.1; Parkersburg, 48.0; Ravenswood, (Dam 22) 52.1; Pt. Pleasant, 54.4. This was the greatest flood of record at Wheeling.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 3d, 1; 10th, 13; 16th, 1; 18th, 1; 19th, 1; 22d, 2; 24th, 1; 25th, 3; 28th, 1, 31st, 1. *Sleet:* 17th, 4; 18th, 1; 19th, 1.

Thunderstorms: 2d, 2; 3d, 2; 15th, 3; 16th, 8; 17th, 8; 21st, 1; 22d, 1; 24th, 18; 26th, 3; 27th, 10; 31st, 5.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.90	30.30	6	29.51	20	9.5	29	n.	17	77	58	56	59
Columbus, Ohio	29.90	30.34	1	29.48	12	11.4	41	n.	17	75	61	63	47
Elkins	29.94	30.29	8	29.35	21	6.6	27	w.	13	87	62	68	39
Parkersburg	29.93	30.35	1	29.49	12	7.5	28	nw.	17	77	59	61	36
Pittsburgh, Pa	29.87	30.32	1	29.32	21	12.0	34	sw.	27	82	62	68	45
Wytheville, Va	29.89	30.26	8	29.21	17	7.7	30	w.	12	78	55	62	52

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	......	......	5.52	5.24	5.46	4.91	......	......	......	......	......
1892	36.4	87	8	4.08	3.24	3.73	3.50	......	......	......	......	......
1893	40.7	84	3	0.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	0.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	......	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	......	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	0.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	0.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	0.49	0.40	0.79	0.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	6.58	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	0.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	0.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	52.7	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	−18	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
Period	42.4	94	−18	3.12	4.10	4.18	3.97	5.9	11	11	7	13

Climatological Data for March, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	39.6	+1.9	75	30	15	†8	47	8.36	+3.85	2.37	28.0	15	11	5	15	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	44.4	+3.0	76	30	18	†2	42	7.05	+4.58	3.75	8.0	9	17	0	14	s.	Elmer Keister
Circleville	Pendleton	....	4	....	....	....	....	....	....	....	7.58	....	2.64	3.9	13	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	....	....	....	....	....	....	....	6.74	+3.69	2.11	0.1	12	....	....	....	....	Sherman Harrison
Kearneysville	Jefferson	548	6	47.4	....	76	30	18	2	53	6.32	....	1.33	....	12	11	9	11	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	[a]46.6	+5.0	[a]80	30	20	†2	[a]42	6.76	+3.50	1.85	0.5	13	12	16	3	sw.	Dr. H. S. Gardner
McNeill	Hardy	900	40	44.2	+3.2	74	†29	17	2	44	8.74	+6.15	4.00	7.0	12	5	5	21	w.	John W. McNeill
Piedmont	Mineral	1,053	23	44.2	+3.0	79	30	20	2	41	7.84	+4.86	3.72	3.0	14	8	10	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	46.3	+3.9	78	30	21	†2	48	9.94	+7.08	5.00	0.5	13	8	6	17	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	....	....	....	....	....	....	....	6.14	+2.79	1.80	20.5	15	....	....	....	w.	A. C. Becker
Upper Tract	Pendleton	1,230	37	46.7	+4.4	76	30	20	†2	42	6.47	+4.30	2.97	....	6	14	6	11	....	Mrs. J. M. Mallow
Wardensville [b]	Hardy	1,200	15	44.4	+2.5	73	†28	17	2	41	9.26	+7.06	3.93	1.4	12	6	14	9	....	Reymann Memorial Farm
Division averages	and extremes	....	....	**44.9**	**+3.9**	**80**	**30**	**15**	**†8**	**53**	**7.60**	**+4.48**	**5.00**	**7.3**	**12**	**10**	**8**	**13**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	....	....	....	....	....	....	....	7.65	+3.86	1.96	22.0	15	4	11	16	w.	L. Else Bond
Alma (near)	Tyler	800	9	....	....	....	....	....	....	....	5.99	....	1.65	11.0	16	9	6	16	....	D. N. Furbee
Alpena	Randolph	2,571	6	40.2	....	71	30	10	20	41	9.22	....	3.00	68.0	13	10	12	9	w.	Christian Hertig
Benson	Harrison	1,080	12	46.1	+5.8	76	30	16	20	45	5.81	+2.35	1.55	13.0	13	8	11	12	....	R. D. Marts
Bens Run	Pleasants	652	34	46.4	+2.9	71	29	24	1	26	3.62	−0.42	0.57	10.5	18	14	9	8	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	46.0	+4.1	80	10	12	20	57	6.06	+2.59	1.57	23.0	13	12	7	12	....	W. B. Worley
Buckhannon	Upshur	1,411	39	45.8	+3.9	77	30	22	14	41	7.27	+2.76	2.48	23.0	14	10	10	11	....	H. A. Darnall
Cairo [e]	Ritchie	680	35	47.9	+3.6	80	31	20	7	48	6.09	+2.27	2.77	....	8	10	5	11	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	43.1	+3.4	78	30	20	20	46	5.47	+2.45	1.66	14.0	15	6	10	15	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	13	....	....	....	....	....	....	....	7.04	+2 71	2.39	21.7	16	7	11	13	sw.	George W. Blair
Creston	Wirt	640	34	45.9	+1.9	77	30	21	6	43	5.45	+1.35	1.35	6.0	13	12	7	12	....	P. M. Basnett
Dam 10 Mon. R	Marion	826	15	....	....	....	....	....	....	....	8.03	+4.26	2.42	7.0	16	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	20	....	....	....	....	....	....	....	5.32	+1.89	1.86	6.0	16	....	....	....	....	Lockmaster
Dam 15 Mon. R	Monongalia	882	15	....	....	....	....	....	....	....	6.57	+3.43	1.98	8.0	15	....	....	....	....	Lockmaster
Davis	Tucker	3,093	27	....	....	....	....	....	....	....	9.80	+6.05	2.00	44.0	13	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	....	....	....	....	....	....	....	5.86	+2.11	1.62	9.0	12	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	35	42.3	+2.3	74	30	15	20	42	8.32	+4.52	3.40	29.8	15	2	12	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	30	45.7	+4.2	81	30	23	14	42	5.36	+1.39	1.89	16.5	14	10	5	16	w.	J. C. Robinson
Glenville	Gilmer	738	42	48.2	+3.5	79	30	22	†6	45	6.54	+2.25	1.67	9.5	15	16	2	13	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	45.7	+4.2	79	30	21	14	43	6.01	+2.25	1.25	25.0	12	12	1	18	....	W. E. Clayton
Hastings	Wetzel	809	1	49.0	....	86	30	21	14	46	5.92	....	1.35	6.5	17	10	4	17	w.	L. G. McIntyre
Horner	Lewis	1,044	13	....	....	....	....	....	....	....	8.10	+4.34	2.65	....	11	....	....	....	....	Foster R. Hardman
Jauelew (near)	Lewis	1,020	13	46.6	+4.2	78	30	20	†2	45	6.06	+2.80	1.79	10.0	12	13	5	13	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	44.9	+2.5	79	30	15	20	47	4.96	+1.04	1.98	12.2	13	10	5	16	w.	Allen Smith
Mannington	Marion	985	33	43.7	+1.4	76	30	19	14	42	6.63	+2.60	1.93	18.4	19	8	6	17	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	40.9	....	62	9	21	1	32	6.15	+2.76	1.90	17.0	14	8	8	15	sw.	Bruce Davis
New Cumberland [b]	Hancock	671	38	43.8	+4.4	74	30	15	6	37	4.57	+1.33	0.93	3.0	21	8	4	17	nw.	C. O. Valeutine
New Martinsville	Wetzel	634	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Wm. Ankrom
Parkersburg	Wood	615	49	46.0	+3.2	77	30	22	1	36	4.83	+1.34	1.34	11.3	17	7	6	18	uw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	42.4	+1.9	77	30	17	†20	47	6.30	+2.09	2.93	20.5	..	8	11	12	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	....	....	....	....	....	....	....	7.29	+3.08	2.36	22.0	16	14	3	14	....	Robert T. Deem
Philippi	Barbour	1,550	39	....	....	....	....	....	....	....	5.65	+1.51	1.80	16.0	13	....	....	....	....	H. F. Brittinham
Pickens [a]	Randolph	2,697	33	41.0	+1.8	74	29	20	†2	40	7.52	+1.61	2.12	42.0	12	12	5	13	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	41.3	....	74	30	11	14	45	7.90	....	2.16	17.2	16	16	13	2	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	....	....	....	....	....	....	....	6.28	+2.66	1.90	29.4	15	8	7	16	....	Miss Mary A. Conrad
Terra Alta [d]	Preston	2,559	35	39.8	+1.9	72	30	18	20	42	7.31	+2.87	2.15	17.8	17	7	4	16	w.	E. R. Wagner
Thomas	Tucker	2,950	7	....	....	....	....	....	....	....	7.81	....	2.00	33.0	13	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	13	46.2	+3.7	77	31	19	20	40	6.33	+2.64	1.25	20.5	15	7	16	8	sw.	J. C. Campbell
Vandalia	Lewis	1,120	13	....	....	....	....	....	....	....	6.55	+3.35	2.09	23.0	9	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	29	43.1	+3.3	78	30	17	6	42	6.02	+2.83	1.50	6.5	16	13	4	14	w.	George P. Pfister
West Milford	Harrison	979	11	....	....	....	....	....	....	....	5.93	+2.39	1.65	....	9	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	47.6	+3.8	80	30	22	†6	40	6.91	+2.63	1.40	24.0	15	1	16	14	....	A. Henry
Wheeling (Dam 12)	Ohio	659	49	42.8	+2.3	75	30	20	†5	39	4.96	+1.71	1.22	8.5	17	10	7	14	sw.	Lockmaster
Woodlands	Marshall	637	9	....	....	....	....	....	....	....	5.32	....	1.54	7.0	14	....	....	....	....	R. W. Rist
Division averages	and extremes	....	....	**44.5**	**+2.7**	**86**	**30**	**10**	**20**	**57**	**6.44**	**+2.34**	**3.40**	**18.3**	**14**	**9**	**8**	**14**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	....	....	....	....	....	....	....	5.08	....	1.85	23.0	14	....	....	....	....	H. S. Sutton
Bancroft	Putnam	574	32	49.8	+6.0	80	30	25	1	41	3.80	−0.20	1.23	8.5	11	15	2	14	w.	Charles N. Long
Beckley	Raleigh	2,440	33	44.4	+1.7	73	30	19	†6	38	5.15	+1.38	1.21	9.8	18	5	16	10	....	L. A. Mauck
Bluefield [e]	Mercer	2,558	41	46.1	+1.7	71	30	20	18	35	5.48	+2.36	1.50	16.0	17	8	9	9	....	Norfolk & Western Ry.
Charleston	Kanawha	600	33	50.9	+3.5	80	30	28	6	42	4.77	+0.27	0.95	8.0	12	10	8	13	....	S. E. Damron
Clay	Clay	706	20	....	....	....	....	....	....	....	5.79	+1.64	1.33	19.1	17	....	....	....	....	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	....	....	....	....	....	....	....	3.95	+0.37	1.15	....	15	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	20	....	....	....	....	....	....	....	4.80	+1.26	1.30	....	14	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	20	....	....	....	....	....	....	....	4.83	+1.12	1.55	....	12	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	9	....	....	....	....	....	....	....	4.56	+1.27	1.47	....	9	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	20	....	....	....	....	....	....	....	5.62	+1.74	1.50	....	14	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	20	[b]46.2	+3.7	[b]76	30	[b]25	6	[b]43	3.94	−0.22	0.82	15.5	13	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	[c]47.5	+3.4	80	30	[c]25	8	[c]47	5.29	+1.39	1.65	12.0	13	16	4	11	....	Mrs. M. L. McClung
Huntington	Cabell	538	39	50.2	+5.2	79	30	26	6	40	5.47	+1.25	1.39	15.2	13	5	14	12	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	....	....	....	....	....	....	....	6.23	+3.03	1.90	15.0	16	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	20	....	....	....	....	....	....	....	4.48	−0.16	0.99	19.0	14	....	....	....	....	Cabin Creek. Con Coal Co
Logan	Logan	700	33	....	....	....	....	....	....	....	4.32	−0.40	1.13	10.5	12	....	....	....	....	J. R. Wampler
Madison	Boone	675	15	43.0	+0.3	81	4	20	17	43	5.20	+1.02	1.39	7.0	13	11	9	11	....	W. E. Holy
Point Pleasant	Mason	595	43	48.5	+3.3	73	4	23	†1	39	6.20	+2.11	1.62	10.0	15	10	6	15	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	43.0	....	71	30	16	14	46	6.88	....	2.71	25.5	14	11	5	15	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	48.6	+5.3	79	†29	23	1	40	4.92	+1.03	1.62	....	13	15	4	12	nw.	Lockmaster
Richwood	Nicholas	2,193	6	45.2	....	76	30	17	14	43	7.53	....	3.06	27.0	18	13	10	8	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	46.0	+2.1	84	30	25	†1	42	3.79	−0.16	1.04	6.0	13	11	0	20	....	M. Frazier
Ryan	Roane	700	33	42.2	....	78	30	15	6	47	5.67	+1.31	1.47	19.5	16	11	7	13	....	Wm E. Ryan
Spencer	Roane	789	32	46.0	+3.1	78	30	24	†7	40	4.63	+0.56	1.03	13.0	16	6	10	15	....	A. M. McKown
Summersville	Nicholas	1,894	3	....	....	....	....	....	....	....	7.00	....	1.54	30.0	11	....	....	....	....	Carl Perry
Sutton	Braxton	850	30	47.2	+3.0	78	†30	22	†6	43	7.73	+1.05	2.10	27.0	13	16	0	15	....	C. B. Eakle
Union [e]	Monroe	2,250	32	46.0	+2.6	75	30	22	†6	45	5.39	+1.84	2.40	10.0	14	8	15	3	....	C. B. King
Wayne	Wayne	598	9	....	....	....	....	....	....	....	5.67	....	1.40	13.1	11	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	26	45.0	+2.4	76	30	42	8	42	5.35	+1.78	1.80	....	10	11	3	17	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	48.9	+2.2	78	29	28	†6	43	4.96	+0.42	1.35	9.2	11	10	9	12	sw.	J. E. Dotson
Division averages	and extremes	....	....	**46.6**	**+3.0**	**84**	**30**	**15**	**6**	**47**	**5.29**	**+1.11**	**3.06**	**15.5**	**14**	**11**	**8**	**12**	**sw.**	
State averages and	extremes	....	....	**45.3**	**+2.9**	**86**	**30**	**10**	**20**	**57**	**6.21**	**+2.24**	**5.00**	**15.9**	**14**	**10**	**8**	**13**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a uormal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the meaus for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for March, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Northeastern Panhandle Division																																	
Bayard||||	Potomac						.08	.12				.54	.08	.12	.33	T.	2.37	1.14		.50		1.34	.90		.51			.18	.12			.03	8.36
Brandywine	do					T.						.20	.30	.10			.25	3.75	1.05			.85			.35		T.	.20				T.	7.05
Circleville	do	.04		T.			T.	T.			T.	.34	.20	.38	T.			2.64	1.97	.05		.98	.07		.28			.37	.14			.12	7.58
Harpers Ferry ||||	do	T.		.11				.03				.39	1.54	.55				.21	2.11			1.13			.03	.04		.26	.34				6.74
Kearneysville	do			.05		.07						1.33	1.03	T				1.30	.63	.10		.82			.33	.03		.52	.11				6.32
Martinsburg ||||	do			.10			T.					.10	1.40	.70				.60	1.85	.30	T.	.90	.05		.05	.18		.35	.18				6.76
McNeill	do		T.	.03		T.		.03				.34	.34	.03	T.		.58	4.00	1.32	.22	T.	1.15		T.	.38		T.	.32				T.	8.74
Piedmont	do		.11	.01				.08			T.	.52	.23	.09			.02	3.72	.85		.02	1.21			.54			.43				.01	7.84
Romney||||	do					.05		.04			.43	.72	.01				.01	5.00	1.29	.15		1.48			.41			.34				.01	9.94
Stony River Dam	do	.08	.04	.08				.08				.24	.10	.26				1.80	1.36	.32		.50			.14	.67		.37	.10				6.14
Upper Tract	do												T.				.60	2.97	.76			1.00			.93			.21	T.				6.47
Wardensville ||||	do			T.				.02			T.	.75	.59	.21				1.75	3.93	.30		1.12			.04	.19		.30	.06	T.		T.	9.26
Northern Division																																	
Aberdeen	Monongahela		.29	.06						T.	.28	.19	.27	.11			.49	1.96	1.21	.39	T.	1.30		T.	.63	T.	T.	.31	.07			.09	7.65
Alma (near)	Ohio		.36	.07						.06		.22	.14	.16		.01	.88	1.65	.51	.45		.45		.02	.56			.25				.20	5.99
Alpena	Monongahela		T.	.04								.13	.52	.50				1.98	1.10	.16		3.00			.90		.03	.67	.05			.14	9.22
Benson	do		.30	.05								.25	.12	.08	.05		.65	1.55	.70	.35		.76			.60			.35					5.81
Bens Run	Ohio		.43	.15					T.	.06	.01	.11	.25		.12	.08	.50	.57	.24	.14		.10		.02	.54		.03	.15				.12	3.62
Brownsville	Monongahela		.28	.07							.21	.29	.14	.15			.58	1.57	.47	.42		.87			.66			.35					6.06
Buckhannon	do		.50			.05				T.		.38	.24	.08			.50	2.48	.25	.16	.20	1.25			.68		T.	.40				.10	7.27
Cairo	Litl.Kanawha		.55									.21	.05	T.			1.10	.07						2.77	.70			.64					6.09
Clarksburg||||	Monongahela			.35							.06		.33	.07			.08	1.66	1.16	.31		.54	.03		.08	.42		.33	.01			.04	5.47
Crawford||||	do		.29			.02					.18	.28	.12	.16			.38	2.39	.76	.27	.02	.71			.81		.14	.39				.12	7.04
Creston||||	Litl.Kanawha			.56							.10		.05	.18	T.		.36	1.35	.83	.37		.41	T.		.12	.50		.55				.07	5.45
Dam 10, Mon. R.||||	Monongahela			.68				.13	T.	T.	.09	T.	.42	.07		.04	.09	2.42	1.28	.27	.03	1.24	.20		.02	.32		.73	T.				8.03
Dam 13, O. R.||||	Ohio			.42				.10		.04	.07		.34	.02		.05	.75	1.86	.60				.02		.23	.03		.65			.04	.10	5.32
Dam 15, Mon. R.||||	Monongahela			.64				T.		T.	.10	.04	.32	.14			.10	1.98	1.01	.27		.72	.09		.09	.47		.44	T.			.16	6.57
Davis ||||	do	T.				T.		.09		T.		T.	.29	.36				2.06	1.90	.90	.20	1.70	.10		.16	.90		1.00	.20		T.		9.80
Elizabeth(D'm 3 LK)	Litl.Kanawha			.61									.05	.06			.56	1.35	1.62	.09		.22			.16	.39		.72				.03	5.86
Elkins***	Monongahela		.08			.02		T.	T.			.12	.46	.15			.21	3.32	.55	T.	.15	1.34		.01	1.06		.05	.59				.21	8.32
Fairmont||||	do		.62				T.		T.	.08	.02	.32	.24		T.	.09	1.89	.43	.06	T.	.46	.16		.10	.46		.43	T.					5.36
Glenville ||||	Litl.Kanawha		T.	.47							.12	.14	.38	.24	T.		.28	1.67	.70	.42	T.	.68	.29		.20	.48		.39				.08	6.54
Grafton ||||	Monongahela		.40							T.	.25	.20	.18				.50	.25	.35	1.05	.35	1.25			.75			.48					6.01
Hastings	Ohio		.33	.18						.12		.18	.12	.11	.02	.08	.85	1.35	.30	.50		.80		.05	.48			.27				.18	5.92
Horner	Monongahela		.60									.80	.25	.30			.50	2.25	.35	.10				.15	2.65							.15	8.10
Janelew (near)	do		.20								.20	.25	.20	.08			.55	1.79	.78	.10		.91			.60			.40					6.06
Lost Creek	do		.32							.02	.03	.18	.05	.08	T.		.60	1.98	.33	.21	T.	.27		T	.61		.28	T.				T.	4.96
Mannington	do	T.	.49	.16		T.		T.	T.	.07	.10	.21	.11	.12	.01	.01	.60	1.93	.47	.30	.02	.80		.02	.48			.54				.19	6.63
Morgantown	do	T.	.45				T.	.16	T.	T.	.08	.30	.10	.08		T.	.90	1.90	.30	.08	T.	.80			.40			.45				.15	6.15
New Cumberland||||	Ohio		.32	.17		.03		.02	.01	.05	.01	.16	.24	T.	.18	.20	.86	.93	.20			.34	T.	.04	.15	.01		.50		.05	.10		4.57
New Martinsville	do																																
Parkersburg***	do		.47						T.	.01		.01	.10	T.	T.	.29	1.13	.92	.27	.07	.16	.05		.02	.53		.35	.15			.01	.29	4.83
Parsons	Monongahela		T.						T.		.10	.11	.50	T.			.15	2.93			T.	*	*	*	2.25		.01					.25	6.30
Parsons No. 2	do	.05	.09	.05		.01				T.		.13	.50	.13			.12	2.36	.83	.17		1.60			.77		T.	.41	.02			.05	7.29
Philippi	do			.38							.30		.35	.10			.02	1.80	.75	.42	.05	.90			.10			.30				.18	5.65
Pickens	do		.12									.15	.48	.30			.34	2.12	.60	.40		1.10			1.08		.18	.65					7.52
Reedsville	do		.54					.08		.26		.33	.29	.12	.08		.52	2.16	.18		1.10	.90			.71			.47				.16	7.90
Roanoke	do		.34			T.					.21	.29	.13	.03			.55	1.90	.65	.35	.02	.79			.71		.05	.23				.03	6.28
Saint Marys||||	Ohio		.58							T.	.06				.10	.02	.74	1.65	1.02						.82	.40						.25	5.64
Terra Alta	Monongahela	.02	.24	.09				.06			.21	.22	.18	.31	T.		.15	2.15	1.01	.25		1.13			.76			.35	.05			.13	7.31
Thomas ||||	do			.12				.02				.12	.30	.32				1.72	1.74	.40		2.00	.30					.56	.13			.08	7.81
Valley Chapel	do		.32	.17							.06	.21	.22	.10			.61	1.25	.80	.42		.78	.40		.58			.34				.07	6.33
Vandalia	do		.28								.21	.24	.27				.45	1.95				2.09			.71			.35					6.55
Wellsburg	Ohio		.49	.20		T.		.06	T.	.08		.16	.18	T.	.11	.11	1.16	1.50	.49	T.		.59		.04	.09			.60				.16	6.02
West Milford	Monongahela		.40										.30	.20			.70	1.65	1.00			.85			.50			.33					5.93
Weston	do			.43							.21	.17	.32	.22			.24	1.40	1.32	.66	.10	.39			.18			.46	.09			.72	6.91
Wheeling(Dam 12)||||	Ohio	T.		.32		.02		.04		T.	.03		.25	.02		.08	.75	1.22	.64	.28		.33	T.		.13	.03		.64			.11	.07	4.96
Woodlands||||	do			.55				.08		.01	.07	T.	.27	T.			.63	1.54	.65	.12		.10	.12		.55	.03		.60					5.32
Southern Division																																	
Arbovale	Gr. Kanawha		.08								T	.12	.30	.24			1.85	.32	.16	.08	T.	.60		T.	.60		.60	.07	.05			.01	5.08
Bancroft ||||	do			.52							.06			.13			.30	1.23	.50			.27			.28	.20		.27				.04	3.80
Beckley	do		.29	.04		.13						.18	.14	.20		T.	.04	1.21	.63	.17	.27	.11		.04	.55		.34	.62	.10			.09	5.15
Bluefield	do		.38	.08		.07						.14	.20	.09			.14	1.50	.60	.65	.31	.06			.46		.26	.41	.11			.02	5.48
Camden-on-Gauley	Gauley			.26		.01	.01					.30	.32	.25	.01			1.70	.90	.50	.02	.80	.02		.40	.85		.48	.42			.07	7.32
Charleston	Gr. Kanawha		.41								.03		T.	.16			.72	.80	.71	.20		.25			.95		.16	.35				.03	4.77
Clay||||	do		T.	.41	T.						.05	.07	.17	.39	.03		.14	1.33	.84	.32	.47	.03	T.		.32	.75		.35	.09			.05	5.79
Dam 3 G. K. ||||	do		.01	.21							T.		.09	.12	.03		.13	1.13	.72	.17	.05	.36	.04	.01	.24	.56		.30	.10			.06	4.33
Dam 6 G. K. ||||	do			.42							.03		.02	.04			.25	1.15	.50	.09	.08	.22			.34	.44		.31	.03			.03	3.95
Dam 19 O. R. ||||	Ohio		T.	.47						T.	.01	T.	.06	.01	T.	T.	.74	1.30	.50	.16	.04	.25		T.	.30	.23		.43	T.			.30	4.80
Dam 20 O. R. ||||	do		.02	.50						T.		T.	.04	.02			.62	1.55	.40			.30		T.	.30	.30		.58				.20	4.83
Dam 25 O. R. ||||	do													.10			.74	1.47	.63	.08		.33			.10		.46	.65					4.56
Dam 26 O. R. ||||	do		.05	.45							.03			.03			.55	1.50	.40	.02		1.50	.08		.12	.33		.47				.09	5.62
Gary ||||	Big Sandy	T.				.26						.05	.23	.20			.01	.82	.40	.13		.45			.01	.81		.28	.29				3.94
Hinton||||	do			.37		T.	T.					.27	.21	.31		T.		1.65	.88	.20		.41			.01	.36		.47	.14			.01	5.29
Huntington	Ohio		.51							.04			.03	.11			1.14	1.39	.70		.23	.06		T.	.65		.18	.35				.08	5.47
Kanawha Falls||||	Gr. Kanawha			.24			T.				T.	.01	.17	.16	.04		T.	1.04	1.90	.36	.02	.60	.09		.10	.65		.34	.43			.08	6.23
Kayford||||	do			.22		T.	.01				T.	.01	.09	.27	.01			.99	.90	.41	.01	.55			.12	.62		.27				T.	4.48
Logan||||	Guyandotte			.22		.03							.02	.09	T.		.12	1.13	1.02	.10	T.	.43	T.		.18	.70		.28	T.			T	4.32
Madison	Gr. Kanawha		.44							.01			.25			.27	1.39	.93	.12		.43			.35	.52		.35	.01				.18	5.20
Point Pleasant||||	Ohio		.04	.52							.02			.16		.04	1.10	1.62	.94	.10		.36		.02	.20	.36		.66				.06	6.20
Rainelle	Meadow Creek		.19	.05		.04						.23	.30	.33				2.71	.60	.17	.11	.79			.57	T.	.29	.50				T.	6.88
Ravenswood(Dam 22	Ohio||||		T.	.60							.05		.04	.04			.48	1.62	.42	.20		.28			.12	.41		.60				.06	4.92
Richwood	Gr. Kanawha	.05	.25	.05								.30	.31	.16			.03	3.06	.83	.07	.04	.93	.04		.40		.20	.60	.15			.06	7.53
Robertsburg||||	do		.03	.52							T.	T.	.04	.04			.39	1.04	.40	.06		.23			.16	.44		.39				.05	3.79
Ryan	do		.55			.05				.12		.05	.06	.20			.67	1.47	.70	.24	.02	.28			.81		.16	.20				.06	5.67
Sharples||||	Coal River		T.			T.					T.		.04	T.			.11	.62	1.00					.32		.10		.27					2.46
Spencer ||||	Gr. Kanawha		T.	.59							.10	T.	.04	.08	.09		.30	1.03	.25	.18	.52	.30	.16		.17	.39		.40	T.			.03	4.63
Summersville	do												.30	.32				1.35	1.54	.46		.83		.08	.42	.97		.38	.35				7.00
Sutton	Gauley		.55									.40	.20	.08	.15		.40	1.25	.60	.30		T.	2.10	T.	1.15			.45				.10	7.73
Thornwood	Gr. Kanawha											.11	.23	.15			2.10	1.38	.30		.90				.12	.15		T.					5.44
Union	do			.27		.10						.13	.18	.10			.05	2.40	.40	.15		.45				.25	.15	.56	.20				5.39
Wayne||||	Big Sandy			.58							.06			.20			.75	1.40	1.13			.33			.19	.51		.45				.07	5.67
White Sulpr. Spgs.||||	Gr. Kanawha		.30		.10						.20	.40		T.			1.80	.40			.90			.30			.60	.35					5.35
Williamson||||	Big Sandy			.18		.10					T.		T.	.05			.15	1.23	1.35	.08		.45		T.	.04	.90		.43					4.96

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for March, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	48	40	45	64	60	45	45	62	61	58	51	49	30	64	61	45	30	37	38	40	38	46	61	55	57	55	55	55	68	75	68	51.8
	Minimum	23	25	32	23	30	22	21	15	30	29	44	25	18	24	37	30	24	28	25	15	25	29	28	32	33	25	40	35	27	28	31	27.5
Brandywine	Maximum	52	42	52	67	52	54	56	60	65	63	58	51	38	63	64	70	58	40	48	47	44	54	66	60	68	61	67	60	67	76	67	57.7
	Minimum	24	18	26	25	38	22	28	18	37	28	40	28	27	25	31	38	36	30	26	24	30	31	36	40	36	31	43	35	29	35	46	31.0
Kearneysville	Maximum	48	71	50	67	59	42	41	52	69	61	60	52	43	63	67	67	62	59	48	54	49	58	61	59	70	65	63	65	73	76	70	59.5
	Minimum	26	18	23	26	34	27	23	25	33	36	50	33	29	27	35	45	46	42	39	31	37	38	37	41	40	37	45	42	42	42	46	35.4
Martinsburg*	Maximum	42	35	45	70	65	45	42	53	68	60	52	50	45	65	74	64	62	60	50	52	50	60	62	60	72	56	62	68	77	80	..	58.2
	Minimum	26	20	20	28	30	29	25	22	28	34	42	40	30	28	32	40	48	42	40	32	34	38	40	42	42	40	40	44	40	42	45	34.9
McNeill	Maximum	55	45	54	57	57	50	53	55	61	61	53	52	37	63	73	67	49	38	43	52	48	45	59	61	68	65	68	62	74	74	72	57.1
	Minimum	27	17	19	22	32	23	24	18	37	29	40	34	28	26	31	40	38	34	30	22	31	39	32	39	40	30	42	34	30	35	46	31.3
Piedmont	Maximum	47	30	48	69	50	42	43	54	67	52	52	47	37	57	68	54	47	48	48	50	37	55	58	58	65	53	68	61	75	79	49	53.8
	Minimum	27	20	28	28	34	28	25	24	45	38	47	37	26	26	33	47	37	33	33	30	32	36	42	36	40	34	46	39	34	49	38	34.6
Romney	Maximum	57	42	50	72	67	52	49	61	71	64	53	39	61	38	73	70	53	50	48	52	49	57	62	62	70	66	70	65	76	78	75	59.7
	Minimum	27	21	26	24	35	29	25	21	35	34	33	29	25	29	32	44	38	34	34	27	33	37	35	41	38	32	46	43	32	37	43	32.9
Upper Tract	Maximum	55	50	53	70	52	64	57	62	70	70	63	50	40	65	70	69	60	50	48	50	48	55	70	56	70	66	62	63	64	76	66	60.1
	Minimum	29	20	30	34	29	25	25	20	37	31	46	32	27	32	35	40	38	30	31	28	32	35	36	36	43	40	33	41	41	38	37	33.3
Wardensville	Maximum	56	39	36	51	67	52	48	46	57	68	54	51	45	39	..	70	63	59	48	49	..	51	55	64	61	69	57	73	68	73	73	56.6
	Minimum	25	17	21	24	31	29	23	21	31	31	38	33	29	24	..	29	46	39	36	26	..	32	33	43	39	32	42	40	32	40	48	32.2
Northern Division																																	
Alpena	Maximum	51	37	47	64	58	41	45	62	62	59	51	49	26	55	64	60	59	30	32	44	40	49	61	50	58	50	62	54	67	71	59	52.2
	Minimum	26	19	30	26	32	22	22	21	32	28	44	24	18	23	30	38	26	23	24	10	24	28	26	35	36	37	43	31	28	33	33	28.2
Bens Run	Maximum	49	44	45	41	61	47	49	46	58	62	62	54	34	56	58	59	49	41	39	39	47	46	57	57	61	57	66	57	71	68	69	53.2
	Minimum	24	28	36	35	36	34	35	36	46	45	51	28	33	33	44	47	28	27	34	38	39	41	46	52	49	45	55	44	45	49	45	39.6
Buckhannon	Maximum	52	50	50	70	67	42	50	65	67	75	55	55	35	63	68	69	49	34	34	50	43	50	57	59	63	60	72	60	70	77	70	57.5
	Minimum	25	33	37	32	35	24	28	25	43	35	50	30	24	22	34	43	29	27	29	38	29	28	34	48	39	34	52	34	35	39	40	34.0
Cairo	Maximum	44	53	55	67	72	52	52	66	..	72	74	62	45	62	70	69	48	48	..	..	..	..	72	66	66	65	71	65	72	79	80	63.3
	Minimum	32	24	35	29	37	21	20	23	..	36	38	39	27	21	32	43	31	33	..	..	..	..	24	47	39	31	53	30	30	32	39	32.5
Clarksburg *	Maximum	40	37	52	69	52	43	52	67	61	70	57	53	39	58	68	45	45	35	35	45	42	55	66	60	62	63	69	63	71	78	48	54.8
	Minimum	24	23	32	29	38	22	25	21	24	40	40	39	26	21	26	43	35	29	30	20	28	30	35	39	41	32	42	32	31	36	39	31.4
Creston	Maximum	47	48	56	70	66	50	51	66	60	71	67	60	37	63	70	69	46	34	44	43	48	54	73	64	64	63	60	64	71	77	72	59.0
	Minimum	25	26	35	29	37	21	25	23	37	48	41	32	26	22	32	42	30	29	32	24	31	27	33	47	40	33	51	30	32	37	39	32.8
Elkins	Maximum	41	42	49	65	45	40	48	65	62	62	55	50	40	61	67	55	45	32	34	46	35	49	62	56	60	57	67	58	70	74	65	53.5
	Minimum	25	22	32	30	32	26	27	22	41	33	47	27	23	27	33	42	26	27	27	15	28	33	32	35	34	32	47	38	31	36	34	31.1
Fairmont	Maximum	49	43	54	70	54	49	56	68	64	73	58	55	40	55	69	49	45	35	40	45	43	60	65	61	70	63	73	68	76	81	54	57.6
	Minimum	27	27	31	37	37	26	26	29	35	39	40	40	25	23	27	45	35	29	30	24	30	30	37	42	46	36	40	35	37	44	39	33.8
Glenville	Maximum	73	49	58	73	68	52	56	68	65	77	71	61	40	63	70	72	49	35	48	45	47	57	69	67	73	68	71	65	73	79	78	62.6
	Minimum	28	26	36	31	44	22	27	24	47	39	46	35	22	23	32	44	32	28	32	22	31	28	37	41	40	34	53	32	33	38	40	33.8
Grafton	Maximum	54	45	53	69	66	48	53	68	63	70	63	55	35	60	70	67	46	32	35	47	42	49	67	61	67	62	71	65	73	79	74	58.4
	Minimum	25	25	37	31	38	25	26	25	40	37	52	31	26	21	35	43	30	29	30	22	30	22	33	40	39	32	55	33	33	39	38	33.0
Lost Creek	Maximum	51	45	57	72	68	48	55	67	60	74	63	55	32	60	70	70	45	31	34	44	45	53	62	60	67	62	70	70	72	79	73	58.5
	Minimum	24	20	35	28	38	19	24	20	48	39	45	30	25	20	33	43	30	28	30	15	29	29	33	42	39	30	35	32	33	35	38	31.3
Mannington	Maximum	51	43	49	67	61	45	48	64	59	69	61	54	35	57	66	63	43	35	36	43	41	51	56	60	64	59	70	61	69	76	73	55.8
	Minimum	22	22	35	28	36	24	25	22	38	40	50	34	25	19	31	42	30	29	31	20	31	23	33	37	41	32	45	31	31	37	37	31.6
Morgantown	Maximum	44	42	54	50	48	49	45	61	62	59	57	51	40	40	50	45	40	31	32	44	43	54	54	58	60	54	58	59	60	60	55	50.3
	Minimum	21	25	31	33	30	31	24	34	30	29	30	29	28	29	25	34	25	25	27	27	28	29	35	50	49	34	36	34	40	42	33	31.5
New Cumberland*	Maximum	40	41	50	63	52	44	48	55	53	69	65	55	35	47	63	60	43	37	..	..	39	51	50	62	64	61	68	61	67	74	71	54.8
	Minimum	22	22	34	39	29	15	22	24	37	32	40	33	26	23	32	32	30	28	..	..	28	32	40	40	48	34	51	40	37	43	35	32.7
New Martinsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
Parkersburg	Maximum	40	49	56	70	50	41	53	65	61	70	62	46	36	63	66	46	37	35	45	41	48	58	70	64	65	58	70	65	71	77	63	56.2
	Minimum	22	30	36	44	33	24	28	31	39	35	44	29	27	27	43	36	29	28	32	30	32	35	43	51	42	40	45	39	43	51	38	35.7
Parsons	Maximum	42	45	48	70	52	46	50	68	64	64	54	50	29	50	69	53	55	45	45	46	42	51	61	45	41	45	69	60	72	77	60	53.8
	Minimum	29	21	34	27	33	27	25	21	31	35	45	29	24	24	30	43	45	28	30	17	17	33	30	36	35	30	40	40	31	34	35	30.9
Pickens	Maximum	47	40	53	68	44	34	56	65	64	64	52	49	28	56	64	59	55	37	35	44	34	50	61	52	54	48	62	70	74	..	63	52.7
	Minimum	29	20	32	30	33	25	20	25	37	36	40	25	25	25	35	37	22	21	24	26	23	26	21	32	29	34	41	32	39	..	32	29.2
Reedsville	Maximum	62	44	49	67	61	44	46	62	59	66	58	52	32	56	65	62	42	32	33	45	43	47	56	52	61	55	68	61	70	74	71	54.7
	Minimum	33	19	20	25	33	20	19	17	34	33	49	28	21	11	29	40	29	26	27	12	26	26	27	33	33	27	46	32	27	31	32	27.9
Terra Alta	Maximum	46	36	44	62	61	42	43	..	60	56	52	49	31	53	..	62	46	32	30	40	40	..	61	60	57	57	63	56	..	72	68	51.1
	Minimum	20	20	31	28	32	21	20	..	22	36	45	30	19	23	..	33	29	26	25	18	25	..	28	35	40	29	43	34	..	30	30	28.6
Wellsburg	Maximum	42	41	52	66	57	42	47	56	55	69	61	53	34	51	64	61	45	40	39	45	44	54	60	63	64	61	71	64	73	78	71	55.6
	Minimum	22	21	34	30	30	17	21	21	35	34	35	32	26	19	29	41	31	30	32	26	30	25	36	38	41	29	48	31	31	39	35	30.6
Weston	Maximum	45	44	55	72	70	50	55	65	64	70	68	59	45	60	70	69	48	38	38	45	42	58	68	65	66	64	70	69	72	80	78	60.1
	Minimum	25	31	40	43	32	22	28	25	46	46	50	40	28	31	40	44	30	30	31	22	30	31	33	40	42	34	46	34	35	40	40	35.1
Wheeling(Dam 12)	Maximum	54	48	51	62	48	39	49	59	52	71	59	47	33	55	63	47	37	37	34	45	37	58	63	61	63	63	67	67	69	75	50	53.6
	Minimum	22	23	29	32	20	20	25	26	33	36	36	29	27	25	33	31	31	32	31	31	33	33	37	45	47	34	39	40	41	36	36	32.0
Southern Division																																	
Beckley	Maximum	51	53	54	67	58	48	53	65	67	61	58	57	45	61	66	63	58	40	45	43	43	54	66	61	60	59	62	59	69	73	67	57.6
	Minimum	29	29	32	37	38	19	21	27	33	35	44	25	22	31	34	41	22	19	22	21	24	29	38	44	40	39	41	31	31	33	37	31.3
Bluefield	Maximum	..	58	53	66	62	50	52	..	68	64	59	57	47	62	..	67	58	27	47	42	38	..	61	60	66	65	63	58	..	71	68	57.3
	Minimum	..	32	36	44	42	24	29	..	34	39	46	29	26	36	..	40	23	20	23	30	26	..	32	46	46	42	43	35	..	40	45	34.9
Charleston	Maximum	61	60	58	73	72	52	53	78	76	72	71	67	47	65	71	69	57	34	47	49	49	59	74	73	66	66	71	70	73	80	79	64.3
	Minimum	30	34	38	38	43	28	31	38	44	40	42	34	29	31	41	40	32	29	32	31	32	33	43	50	45	43	53	38	39	38	45	37.5
Gary *	Maximum	56	61	57	71	53	51	58	69	70	64	65	41	49	..	70	65	36	36	51	49	..	60	68	56	66	64	68	64	71	76	55	59.3
	Minimum	28	35	32	31	32	25	26	27	33	34	35	36	30	29	..	31	35	26	26	29	31	..	28	44	43	45	49	35	31	33	42	33.1
Hinton *	Maximum	59	53	62	74	59	57	61	72	74	63	65	45	51	67	75	71	40	38	55	49	50	60	75	55	72	53	67	69	77	80	61	61.6
	Minimum	27	32	33	..	..	..	28	25	28	33	35	36	29	27	28	39	38	26	27	27	31	32	35	42	43	43	45	39	32	34	40	33.4
Huntington	Maximum	54	52	62	74	68	49	59	70	62	70	70	67	43	66	73	67	47	35	52	47	54	58	72	68	70	65	72	68	74	79	77	62.7
	Minimum	27	34	35	47	38	26	28	30	48	39	46	34	29	29	40	44	31	28	34	33	33	32	47	50	46	45	54	39	38	45	41	37.7
Madison	Maximum	41	38	47	81	42	43	65	70	44	54	52	40	53	60	55	48	31	38	36	37	51	60	62	54	52	69	70	68	74	52	50	52.8
	Minimum	30	30	34	38	23	25	22	40	37	38	37	27	22	34	44	30	20	22	27	30	28	41	43	41	41	45	33	31	38	42	35	33.2
Point Pleasant	Maximum	46	50	63	73	70	51	58	68	66	72	70	67	45	65	71	68	47	36	46	46	68	68	70	66	66	64	68	69	71	70	68	62.1
	Minimum	23	30	33	38	34	23	26	29	43	36	43	32	26	27	40	40	30	27	32	26	33	32	43	45	41	40	49	35	41	46	39	34.
Rainelle	Maximum	52	44	53	66	65	49	52	64	66	60	63	57	39	59	66	66	59	27	55	49	40	54	64	61	64	59	63	59	69	71	69	57.
	Minimum	30	27	28	25	33	20	22	18	28	28	40	28	24	16	29	36	25	22	26	19	26	31	32	36	33	34	37	36	25	30	39	28.
Ravenswood	Maximum	60	49	57	73	73	50	56	63	65	73	75	67	39	65	71	72	50	42	47	43	40	46	62	68	66	70	70	67	79	78	79	61.
	Minimum	23	28	34	40	35	24	26	28	41	36	50	32	26	25	39	42	30	28	32	30	33	32	43	47	43	39	52	36	41	45	40	35.
Richwood	Maximum	56	47	56	71	63	51	55	69	67	64	61	56	50	60	69	62	61	32	44	48	43	55	64	61	62	61	67	64	72	76	74	59.
	Minimum	31	29	33	29	35	20	25	26	34	33	48	29	29	17	32	40	27	23	26	18	28	27	34	39	34	24	47	37	30	34	39	30.
Robertsburg*	Maximum	46	47	50	50	50	39	47	68	60	72	76	48	42	65	76	49	44	35	51	43	52	59	74	68	65	60	71	68	75	84	51	57.
	Minimum	25	25	32	35	38	25	25	27	32	39	40	38	28	26	34	44	32	28	29	30	35	31	34	47	45	42	47	36	40	42	40	34.
Ryan	Maximum	45	46	55	68	55	40	52	65	50	65	55	49	33	55	65	52	42	30	38	45	50	60	70	63	65	57	70	68	72	78	60	55.
	Minimum	21	21	30	25	30	15	20	18	20	32	36	26	22	18	26	38	25	22	26	18	31	26	41	45	40	35	50	31	31	37	42	29.
Spencer *	Maximum	47	48	59	72	50	43	51	67	59	73	64	46	38	64	71	48	44	34	46	42	48	59	73	63	66	61	70	66	72	78	54	57.
	Minimum	26	28	35	36	38	28	24	27	38	39	40	38	26	24	38	44	32	28	32	25	31	29	45	49	42	36	45	33	37	41	41	34.
Sutton	Maximum	60	45	57	73	73	53	55	67	67	70	70	56	41	65	68	68	50	36	42	45	47	58	67	67	65	65	68	68	74	78	78	61.
	Minimum	30	25	36	31	38	22	27	24	42	38	48	38	27	24	32	45	32	28	31	22	31	32	31	42	38	34	32	34	31	38	42	33.
Union	Maximum	..	60	57	68	70	55	56	..	69	71	60	57	42	67	..	67	60	30	46	48	44	..	69	69	67	70	63	62	..	75	72	60.
	Minimum	..	27	25	27	34	22	22	..	24	37	47	31	25	28	..	34	26	24	25	22	28	..	33	42	37	43	43	36	..	30	45	31.
White Sulphur Spgs.	Maximum	58	46	58	66	57	56	57	68	71	59	60	46	44	69	70	70	46	35	38	45	46	60	70	58	71	54	64	69	72	76	64	58.
	Minimum	26	29	23	33	21	22	20	26	33	44	33	28	22	33	36	40	26	26	22	29	33	34	39	35	40	45	33	28	33	43	36	31.
Williamson*	Maximum	54	54	60	71	52	50	58	70	66	75	75	49	53	74	73	55	41	35	54	50	54	60	74	64	72	70	73	66	78	77	68	62.
	Minimum	31	35	35	34	35	28	29	30	31	39	40	41	33	31	35	41	33	28	29	32	33	30	31	46	46	45	49	37	35	39	47	35.

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIV PARKERSBURG, W. VA., APRIL, 1936 No. 4

GENERAL SUMMARY

April was unusually cool and generally cloudy, with the precipitation averaging slightly above the normal. Temperatures were nearly continuously below the normal during the first half of the month and on the 22-23d, with the lowest readings on the 4th and 8th. Warm weather for the season prevailed during most of the last decade, the highest temperature occurring generally on the 28th and 30th. Freezing temperatures and heavy to killing frosts occurred frequently, but on account of the season being backward little damage resulted. The snowfall was light and unimportant, and fell mostly in the mountain districts. Owing to frequent rains and continued cool weather, the first half of the month was unfavorable for farm work, and plowing and planting were considerably retarded. During the last half, plowing progressed rapidly, and planting of potatoes and sowing of oats were nearly completed. Progress and condition of winter wheat was poor to fair. Pastures and meadows were in fair condition and making good growth.

TEMPERATURE

The average temperature for the northeastern panhandle division was 48.4°, or 1.5° below normal; for the northern division, 48.2°, or 2.7° below normal; for the southern division, 51.4°, or 1.6° below normal; and for the State, 49.3°, or 2.4° below normal. The highest monthly mean temperature was 55.5° at Charleston, and the lowest, 43.8° at Alpena. The highest temperature was 90° at Hastings on the 30th, and the lowest was 12° at Beckley on the 4th, and Pickens on the 8th, making the monthly range for the State 78°.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 2.86 inches, or 0.20 inch below the normal; for the northern division, 3.84 inches, or 0.17 inch above normal; for the southern division, 3.71 inches, or 0.23 inch above normal; and for the State, 3.66 inches, or 0.15 inch above normal. The greatest monthly precipitation was 6.28 inches at Davis, and the least, 2.03 inches at Wardensville. The greatest amount in any 24 consecutive hours was 2.36 inches at Pt. Pleasant on the 6th. The average monthly snowfall, 1.4 inches, was 0.5 inch less than the normal. The average number of days with .01 inch or more of precipitation was 12.

RIVER

Heavy rains on the 5-6th caused a slight flood in the Little Kanawha River and in the Ohio River at Pt. Pleasant. A crest stage of 23.5 feet was reached at Glenville and 21.9 feet at Creston on the 6th. The crest at Dam 25, Ohio River, was 44.9 feet, and Pt. Pleasant, 42.2 feet on the 8th.

LIGHT HAIL

Light hail, doing no damage, fell in sections of the following counties on dates given: Berkeley, 3d; Cabell, 2d and 5th; Hampshire, 2d; Kanawha, 5th and 13th; Nicholas, 2d and 5th; Pleasants, 6th; Preston, 12th and 21st; Raleigh, 2d and 12th; Roane, 5th; Taylor, 7th; Wetzel, 21st.

MODERATE HAIL

Moderately heavy hail fell in St. Albans, Kanawha County, on the 1st; New Martinsville, Wetzel County, on the 5th; and Reedsville, Preston County, on the 15th. Size of hailstones varied, a few being as large as a small marble. There was practically no damage.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.06	30.54	8	29.45	6	9.0	30	w.	7	73	58	61	51
Columbus, Ohio	30.05	30.52	8	29.40	6	10.3	38	sw.	28	71	57	62	43
Elkins	30.07	30.53	8	29.39	2	8.2	30	nw.	7	76	50	60	45
Parkersburg	30.08	30.55	8	29.49	2	7.5	34	nw.	15	70	54	57	31
Pittsburgh, Pa	30.02	30.50	8	29.39	2	12.1	49	nw.	15	72	57	61	46
Wytheville, Va	30.04	30.46	8	29.45	2	8.2	29	w.	21	70	51	56	46

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	......	......	1.64	3.08	2.50	2.81	......	......	......	......	......
1892	50.6	87	17	3.16	4.31	4.83	4.28	......	7	......	......	......
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	......	9	11	9	10
1896	57.7	95	12	1.56	2.20	2.06	2.06	......	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	......	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	......	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	0.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	0.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	0.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	0.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	0.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	0.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	0.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	0.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	0.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	0.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	0.1	9	13	7	10
1923	50.1	88	**−4**	2.66	3.85	3.29	3.45	0.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	0.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	0.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	0.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	0.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	0.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
Period	51.7	101	−4	3.06	3.67	3.48	3.51	1.9	11	11	8	11

Climatological Data for April, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	44.2	+0.5	85	28	15	†8	45	3.46	−0.28	1.58	3.0	9	13	5	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	47.7	−2.2	78	†21	21	†8	48	2.10	−0.57	0.95	T.	6	22	1	7	n.	Elmer Keister
Circleville	Pendleton	....	4	....	....	....	....	....	....	....	3.68	....	1.49	0.8	14	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	....	....	....	....	....	....	....	2.21	−1.04	0.79	.0	9	....	....	....	....	Sherman Harrison
Kearneysville	Jefferson	548	6	49.6	....	84	†15	27	†4	43	2.18	....	0.75	T.	8	11	9	10	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	[a]49.5	−2.1	[a]87	29	26	8	[a]46	2.96	−0.15	1.05	T.	10	16	13	1	se.	Dr. H. S. Gardner
McNeill	Hardy	900	40	49.2	−2.6	82	†29	20	23	49	2.24	−0.72	0.95	T.	11	4	5	21	w.	D. H. McNeill
Piedmont	Mineral	1,053	23	47.5	−2.9	81	29	24	8	42	3.58	+0.57	1.20	.0	14	9	7	14	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	49.4	−1.3	86	30	23	23	48	2.68	−0.29	1.00	T.	12	7	10	13	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	....	....	....	....	....	....	....	4.19	+0.44	1.10	7.0	13	....	....	....	w.	A. C. Becker
Upper Tract	Pendleton	1,230	37	51.0	+0.6	84	28	23	8	46	3.01	+0.71	0.76	0.5	7	14	5	11	....	Mrs. J. M. Mallow
Wardensville [a]	Hardy	1,200	15	47.4	−2.2	81	29	23	23	47	2.03	−0.48	0.58	T.	9	6	16	7	n.	Reymann Memorial Farm
Division averages	and extremes	....	....	**48.4**	**−1.5**	**87**	**29**	**15**	**8**	**49**	**2.86**	**−0.20**	**1.59**	**0.9**	**10**	**11**	**8**	**11**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	....	....	....	....	....	....	....	3.83	+0.83	1.46	0.9	13	4	9	17	w.	L. Else Bond
Alma (near)	Tyler	800	9	....	....	....	....	....	....	....	3.34	....	1.30	0.7	15	4	8	18	....	D. N. Furbee
Alpena	Randolph	2,571	6	43.8	....	78	28	15	8	44	5.29	....	1.45	4.0	13	8	11	11	s.	Christian Hertig
Benson	Harrison	1,080	12	49.0	−3.6	82	30	18	8	44	3.76	+0.55	1.55	2.0	12	7	18	5	....	R. D. Marts
Bens Run	Pleasants	652	34	50.4	−2.4	84	30	29	†3	34	4.10	+0.54	1.56	6.2	12	13	11	6	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	49.4	−2.9	81	15	15	8	50	4.39	+1.03	1.47	.0	12	6	19	5	....	W. B. Worley
Buckhannon	Upshur	1,411	39	48.8	−2.3	84	28	21	8	43	4.26	+0.37	1.40	T	12	12	7	11	....	H. A. Darnall
Cairo	Ritchie	680	35	50.0	−4.0	86	30	19	8	52	2.80	−0.66	1.84	T.	5	15	2	13	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	48.6	−2.6	82	†28	20	8	44	3.28	−0.09	1.27	0.5	14	4	12	14	w.	Clarksburg Water Board
Crawford	Lewis	1,107	13	....	....	....	....	....	....	....	4.04	−0.19	1.31	0.9	15	5	18	7	nw.	George W. Blair
Creston	Wirt	640	34	49.0	−3.4	83	†28	20	†4	49	3.76	+0.10	2.15	T.	11	12	3	15	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	....	....	....	....	....	....	....	3.19	−0.28	1.29	0.5	17	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	20	....	....	....	....	....	....	....	3.32	.00	1.56	....	14	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Monongalia	882	15	....	....	....	....	....	....	....	3.27	−0.02	1.26	2.0	15	....	....	....	....	Lockmaster
Davis	Tucker	3,093	27	....	....	....	....	....	....	....	6.28	+2.61	1.80	12.0	16	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	24	....	....	....	....	....	....	....	4.13	+0.96	1.92	0.5	12	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	35	46.1	−2.7	79	28	20	8	42	4.07	+0.45	1.43	3.0	15	2	9	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	30	50.1	−1.7	86	†29	22	†4	49	3.22	−0.05	1.27	2.8	14	7	6	17	w.	J. C. Robinson
Glenville	Gilmer	738	42	51.2	−2.7	86	†28	21	†4	49	3.86	+0.10	1.65	0.4	12	13	9	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	49.0	−2.5	85	28	21	4	45	3.93	+0.64	1.25	2.5	12	10	1	19	....	W. E. Clayton
Hastings	Wetzel	809	1	51.8	....	90	30	22	8	48	3.62	....	1.58	T.	13	5	8	17	w.	L. G. McIntyre
Horner	Lewis	1,044	13	....	....	....	....	....	....	....	4.38	+1.02	1.80	.0	12	....	....	....	....	Foster R. Hardman
Janelew (near)	Lewis	1,020	13	50.2	−2.7	84	28	20	8	47	3.68	+0.03	1.52	T.	10	12	7	11	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	49.4	−1.2	84	†28	19	8	46	3.88	+0.46	1.64	1.5	11	9	9	12	w.	Allen Smith
Mannington	Marion	985	33	46.8	−4.3	81	†28	15	4	44	3.72	+0.02	1.41	3.8	20	5	7	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	45.4	−6.3	81	†29	20	†8	38	2.96	−0.19	1.05	2.5	9	8	9	13	sw.	Bruce Davis
New Cumberland	Hancock	671	38	46.4	−2.8	79	30	23	4	40	2.49	−0.79	0.77	1.0	21	4	8	18	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	48.7	−4.4	85	30	24	†4	40	4.12	+0.62	1.75	1.5	8	8	10	12	n.	Wm. Ankrom
Parkersburg	Wood	615	49	49.4	−4.0	85	30	25	8	42	3.54	+0.35	1.99	1.3	12	3	10	17	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	48.8	−0.4	84	30	21	8	43	4.50	+0.74	2.00	T.	7	6	12	12	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	....	....	....	....	....	....	....	4.11	+0.35	1.32	1.0	15	10	11	9	....	Robert T. Deem
Philippi	Barbour	1,550	39	....	....	....	....	....	....	....	4.34	+0.62	1.70	....	10	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	33	45.6	−2.5	83	28	12	8	46	5.75	+0.56	1.38	9.0	17	10	9	11	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	44.4	....	79	†28	15	4	43	3.43	....	1.25	2.5	15	17	11	2	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	....	....	....	....	....	....	....	3.22	−0.36	1.28	0.3	14	7	4	19	....	Miss Mary A. Conrad
Terra Alta[e]	Preston	2,559	35	44.0	−2.8	77	28	16	8	42	4.31	+0.21	1.56	0.6	14	9	5	11	w.	E. R. Wagner
Thomas	Tucker	2,950	7	....	....	....	....	....	....	....	4.27	....	1.33	4.5	11	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	13	49.2	−3.9	82	29	19	8	45	3.79	+0.38	1.47	T.	10	5	14	11	nw.	J. C. Campbell
Vandalia	Lewis	1,120	13	....	....	....	....	....	....	....	3.99	+0.29	1.35	.0	9	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	29	46.2	−3.4	83	30	20	23	47	2.23	−0.93	0.95	T.	9	9	6	15	w.	George P. Pfister
West Milford	Harrison	979	11	....	....	....	....	....	....	....	3.89	+0.07	1.20	.0	12	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	51.1	−2.7	83	28	20	8	43	4.36	+0.85	1.62	1.8	16	1	20	9	....	A. Henry
Wheeling (Dam 12)	Ohio	659	49	46.7	−4.9	81	30	25	†4	38	2.87	−0.37	1.28	1.5	16	5	9	16	sw.	Lockmaster
Woodlands	Marshall	637	9	....	....	....	....	....	....	....	3.45	....	1.74	T	9	3	4	23	sw.	R. W. Rist
Division averages	and extremes	....	....	**48.2**	**−2.7**	**90**	**30**	**12**	**8**	**52**	**3.84**	**+0.17**	**2.15**	**1.7**	**13**	**8**	**9**	**13**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	....	....	....	....	....	....	....	2.71	....	1.20	2.5	13	10	7	13	w.	H. S. Sutton
Bancroft	Putnam	574	32	52.4	−1.1	86	29	23	†4	48	4.13	+0.70	2.16	1.0	13	9	1	20	w.	Charles N. Long
Beckley	Raleigh	2,440	33	[1]46.6	−3.6	[c]80	†28	[1]12	4	[1]45	4.62	+1.14	1.68	1.0	14	4	19	7	....	L. A. Mauck
Bluefield [d]	Mercer	2,558	41	50.6	−3.6	78	15	18	4	37	3.79	+0.68	1.19	1.5	10	9	6	11	....	Norfolk & Western Ry.
Charleston	Kanawha	600	33	55.5	−0.8	86	†28	26	†4	40	3.34	−0.53	2.00	T.	10	9	9	12	....	S. E. Damron
Clay	Clay	706	20	....	....	....	....	....	....	....	3.69	+0.25	1.44	0.7	14	....	....	....	....	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	....	....	....	....	....	....	....	3.92	+0.66	2.25	....	12	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	20	....	....	....	....	....	....	....	3.52	+0.34	2.02	....	8	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	20	....	....	....	....	....	....	....	3.65	+0.41	1.93	....	9	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	9	....	....	....	....	....	....	....	3.90	....	2.15	....	11	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	20	....	....	....	....	....	....	....	4.07	+0.80	2.29	....	11	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	20	51.8	....	84	15	21	4	47	4.07	....	1.43	1.0	15	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	52.3	−0.9	89	†28	24	†4	52	2.87	−0.37	1.25	T.	10	14	6	10	....	Mrs. M. L. McClung
Huntington	Cabell	538	39	53.6	−1.0	85	†27	25	8	41	4.66	+1.15	1.38	T.	12	3	17	10	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	....	....	....	....	....	....	....	2.59	−1.13	1.20	....	9	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	20	....	....	....	....	....	....	....	3.18	−0.88	1.62	3.0	16	....	....	....	....	Cabin Creek. Con Coal Co
Logan	Logan	700	33	....	....	....	....	....	....	....	3.78	−0.37	2.25	T.	12	....	....	....	....	J. R. Wampler
Madison	Boone	675	15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. E. Holy
Point Pleasant	Mason	595	43	51.6	−3.3	83	†28	24	†4	45	4.39	+1.08	2.36	0.4	13	9	8	13	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	[b]47.8	....	[b]79	28	[b]17	5	[b]50	4.16	....	1.37	.0	12	10	4	16	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	52.2	−1.6	89	29	22	4	49	4.00	+0.84	2.10	.0	12	5	10	15	nw.	Lockmaster
Richwood	Nicholas	2,193	6	50.2	....	83	29	20	4	50	3.34	....	1.16	3.0	17	9	12	9	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	52.0	−1.0	87	28	23	4	48	3.74	+0.43	2.04	1.0	14	13	0	17	....	M. Frazier
Ryan	Roane	700	33	51.2	−0.8	85	†15	20	8	50	4.52	+0.74	1.32	.0	16	10	11	9	....	Wm E. Ryan
Spencer	Roane	789	32	51.2	−1.6	88	28	20	†4	45	3.78	+0.39	2.00	1.0	15	7	10	13	....	A. M. McKown
Summersville	Nicholas	1,894	3	....	....	....	....	....	....	....	3.26	....	1.31	4.0	13	....	....	....	....	Carl Perry
Sutton	Braxton	850	30	51.2	−1.6	83	†28	22	8	47	4.48	+0.63	1.30	3.0	14	16	0	14	....	C. B. Eakle
Union [d]	Monroe	2,250	32	50.7	−1.1	81	†29	20	8	48	2.34	+0.55	0.88	....	6	20	4	2	....	C. B. King
Wayne	Wayne	598	9	....	....	....	....	....	....	....	4.35	+0.45	2.35	0.4	12	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	26	49.5	−1.9	84	15	20	7	43	2.75	−0.53	1.00	....	6	15	9	6	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	55.4	−0.1	86	†15	26	4	47	3.81	+0.13	1.99	0.2	14	10	11	9	se.	J. E. Dotson
Division averages	and extremes	....	....	**51.4**	**−1.6**	**89**	**28**	**12**	**4**	**52**	**3.71**	**+0.23**	**2.36**	**1.1**	**12**	**10**	**8**	**12**	**sw.**	
State averages and	extremes	....	....	**49.3**	**−2.4**	**90**	**30**	**12**	**4**	**52**	**3.66**	**+0.15**	**2.36**	**1.4**	**12**	**9**	**9**	**12**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for April, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard‖‖	Potomac		.42	.24			1.59		.24		.36			.05			.15									.38					.03		3.46
Brandywine	do	T.	.30			.25	.70			.55		.15	.15	T.					T.														2.10
Circleville	do	.04	.37	.08	.14	.06	1.49	.12	T.	.09	.55	.17	.18				T.		.08	T.							.14	.17					3.68
Harpers Ferry ‖‖	do		.11	.43	T.	.01	.79				.47	.23		.09			.06											T.	.02				2.21
Kearneysville	do	.04	.71	T.			.75	T.		.38	.05	.08	.10				.07																2.18
Martinsburg ‖‖	do		.25	.40	T.	T.	1.05				.55	.18	.10	.10			.18	T.	T.									.05	.10				2.96
McNeill	do	.10	.40	T.	T	.07	.88	.03		.41	.06	.08	.06	.03	T.		.12	T.	T.	T		T.					T.	T.	T.	T.			2.24
Piedmont	do		.40	.03	.02	.02	1.20	.22		.51	.03	.25	.06				.27	T.	.01			T.						.50		.06			3.58
Romney‖‖	do		.60	T.		.03	1.00	.06		.32	.18	.05	.20		.01		.03										.18	.02					2.68
Stony River Dam	do		.62	.08	.40		1.10	.45	.14	T.	.40	.25	.17	.10			.12		T.				.08					.28					4.19
Upper Tract	do		.71	.20		.28	.76			.66	T.	.25	.15			T.	T.	T.									T.						3.01
Wardensville‖‖	do		.34	.19	T.		.58		.04	.04	.32	.18	.14	T.	T.		.20																2.03
Northern Division																																	
Aberdeen	Monongahela	.22	.23	.04	T.	.24	1.46	.04		.36	T.	.30	.02	T.		T.	.14	T.	T.			.14	.42				.22	T.			T.		3.83
Alma (near)	Ohio	.32	.11	.05		.24	1.30	.01		.35	.01	.15	.02						.01			.40	.03				.32	.02					3.34
Alpena	Monongahela	.11	.50	.32		T.	1.45	.33		.54	.11	.49	.32	T.	.03		.18		T.			T.	.11				.80						5.29
Benson	do		.55	.08		.10	1.55	.02		.40		.10	.02				.35					.02	.45				.12						3.76
Bens Run	Ohio	.37	.18	.42		.37	1.56	.05		.41	.06	.14	T.	T.	T.							.30					.18	T.			.06		4.10
Brownsville	Monongahela	.17	.55	.65	.07	.18	1.47			.34		.16	.18				.04						.40				.18						4.39
Buckhannon	do	.15	.50	.15		.30	1.40	T.		.40		.35				T.	.18					.25	.15				.33	T.			.10		4.26
Cairo	Litl.Kanawha	.12	.26	T.			1.84			.48	.10	T.	T.																				2.80
Clarksburg‖‖	Monongahela		.55	T.	.04		1.27		.01		.41	.12	.03	.12			.13						.41				.06	.11	.01		.01		3.28
Crawford‖‖	do	.15	.68	.03	.02	.33	1.31	.03		.38		.35	.12	T.			.10	T.				.13	.23				.16	.02					4.04
Creston‖‖	Litl.Kanawha		.17	T.	.05		2.15				.54	.09	.07	.04			.10						.42				.10				.03		3.76
Dam 10, Mon. R.‖‖	Monongahela		.29	.02	.01		1.29	.02	.03		.43	.11	.04	.03	.02	T.	.02		.05				.46				.12	.08	.17		T.		3.19
Dam 13, O. R.‖‖	Ohio		.35	.01	.07		1.56	.06			.63	.10		.02	.02	.01							.36				.02		.10	.01			3.32
Dam 15, Mon. R.‖‖	Monongahela		.33	.02	.13		1.26		.05		.40	.08	.06	.12	.05		.02						.45				.01	.17	.08		.04		3.27
Davis ‖‖	do		.90	.30	.14	.05	1.80	.75	.10	.19	1.00	.19	.12	.30					.20	T.	T.	T.	.07				.10	.07					6.28
Elizabeth(D'm 3 LK)	Litl.Kanawha		.28	T.	.05		1.92	.02			.47	.08	.02		.05		.55						.45				.22				.02		4.13
Elkins***	Monongahela	.21	.43	.18	.01	.72	.84	.07		.45	.08	.14	.03	T.		.22	T.	T.	T.			.22					.45	T.		.02			4.07
Fairmont‖‖	do	.36	T.	.16		1.24	.03	.03		.37	.09	.12	.16	.01	T.	.01		T.			T.	.34					.23	.07					3.22
Glenville ‖‖	Litl.Kanawha		.37	.10	.12		1.65	.07		.06	.47	.12					.18						.56				.12	.04			T.		3.86
Grafton ‖‖	Monongahela	.37	.25	.13		T.	1.25	.05		.43		.18	.25	.05	T.		.19					.40					.38						3.93
Hastings	Ohio	T.	.55	.05	.08	.13	1.58	.01		.32	.08	.18	T.	.01							T.	.10	.42				T.	.11					3.62
Horner	Monongahela	.23	.27	.08	.03	.09	1.80	.15		.30												.35	.40				.66			.02			4.38
Janelew (near)	do	.15	.20	.08		.20	1.52			.35		.20					.15						.55				.28						3.68
Lost Creek	do	.21	.61	.12	.04	.23	1.41	T.		.42	T.		.04	T.		T.	.32	T.	T.			.30	T.				.18	T.			T.		3.88
Mannington	do	.36	.10	.11	.10	.24	1.41	.03		.39	.03	.13	.12	.07	.01			.01	T.			.30	.10				.08	.10	.01		.02		3.72
Morgantown	do	.20	T.	.08		.30	1.05	T.		.50		T.		T.			.05	T.	T.			.25				.08	.45	T.			T.		2.96
New Cumberland‖‖	Ohio	.08	.69	.05	T.	.10	.53	.03		.26	.07	.11	.04	.01	.04	T.	.02	T.	.05			.29	.01				.04	.03	.01	.01	.02		2.49
New Martinsville	do			T.	.80	.32	1.75	T.		.35		.20					T.	T.	T.			.35	.20					.15					4.12
Parkersburg***	do	.37	.15	.16		1.45	.54	T.		.41	.04	.02	.01	T.		T.		T.			T.	.33					.03	.03		T.			3.54
Parsons	Monongahela	T.		1.00		2.00	.20	.10		.60	.30			.30			T.					T.				T.							4.50
Parsons No.2	do	.09	.44	.08	.02	.36	1.32	.09		.34	T.	.33	.31	.09			.18					.13	.09				.24						4.11
Philippi	do		.50	.05	.10		1.70	.02			.45	.35	.40			T.				T.			.52					.25					4.34
Pickens	do	.22	.56	.40	.08	.79	1.38	.08		.58	.08	.35	.33		.12		.08	.08			.28	.08					.26						5.75
Reedsville	do	.22	.24	.08		.25	1.00	.04		.29		.25	.08			.10	T.	.05				.30					.41	.10			.02		3.43
Roanoke	do	.18	.16	.02	.01	.02	1.28	.02		.38		.21	.05				.17					.30	.18				.24						3.22
Saint Marys‖‖	Ohio	.52					1.82				.50	.15											.48				.04	.02		T.	.02		3.55
Terra Alta	Monongahela	.06	.36	.16	.04		1.56	.09		.27		.46		.06	T.			.16	.09			.11	.34					.55					4.31
Thomas ‖‖	do		.62	.17	.19		1.33	.42			.37	.20		.30			.13						.24					.30					4.27
Valley Chapel	do	.16	.59	T.		.20	1.47	T.		.37		.17	.01				.28	T.					.46				.08				T.		3.79
Vandalia	do	.14	.23	.55		.36	1.35			.36		.43										.32					.25						3.99
Wellsburg	Ohio	.15	.10	T.		.11	.84	T.		.39	.07	.10						T.	T.			.40						.07					2.23
West Milford	Monongahela	.33	.30		.10	.34	1.20	.05		.40		.15				.40						.20		.30			.12						3.89
Weston	do		.54	.12	.09		1.62	.14	.06		.38	.22	.06			.18	.21					T.	.55				.10	.05	.02		.02		4.36
Wheeling(Dam 12)‖‖	Ohio		.18	.03	.03		1.28	.06	.01		.42	.13		.05	T.	.02	.02	T.				T.	.41				.02		.12	.02	.07		2.87
Woodlands‖‖	do		.30	.01			1.74	.06			.42	.14											.40					.12		.26			3.45
Southern Division																																	
Arbovale	Gr. Kanawha.	.18	.08	.04	.04	1.20		.01		.63	.01	.22	.08	.09		T.			.08								.05						2.71
Bancroft ‖‖	do		.40	.08		.08	2.16			.07	.57	.04	.08	.03			.04						.42				.05		.11				4.13
Beckley	do	.26	.40	.11	.08	.64	1.68	.06		.48		.34	.28	.07		T.		T.	.05	T.			.10				.07	T.			T.		4.62
Bluefield	do	.57	.80	.10			1.19	.04		.28		.06		.29									.44								.02		3.79
Camden-on-Gauley	Gauley	.01	.11	.08	.05	.16	1.27	.06	.05	.10	.51	.30	.20	.12	.05		.03		.06				.09				.02	.09					3.36
Charleston	Gr. Kanawha.	.33		T		.30	1.70			.57		.13	.07			.02			T.			T.	.18				.02	.02					3.34
Clay‖‖	do	T.	.45	.05	.08	.42	1.44	.09	.06	.09	.22	.12		.42			.03		T.				.16					.06					3.69
Dam 3 G. K. ‖‖	do	.11	.18	.01	.01	.03	1.97	.03	.01	.01	.44	.24	.09										.12					.06	.09				3.40
Dam 6 G. K. ‖‖	do		.44			.06	2.25	.04		.08	.54	.14	.05	.03									.20				.02		.07				3.92
Dam 19 O. R. ‖‖	Ohio		.47	.03	T.		2.02	.02	T.		.48	.07		T.									.35				.08	T	T.		T.		3.52
Dam 20 O. R. ‖‖	do		.52	T.	T.		1.93	T.	T.	T.	.50	.08	.05	.04			.04	T.					.47				.02				T.		3.65
Dam 25 O. R. ‖‖	do		.42				2.15	.02			.64	.08	.13	.01			.05						.21						.17		.02		3.90
Dam 26 O. R. ‖‖	do		.29	.02	.03		2.29			.03	.65	.10	.14	.02			.05						.45										4.07
Gary ‖‖	Big Sandy	.55	.80	.08	.08	.17	1.43	.04		.02	.15	.14	.15	.09					T.				.09		.03				.25				4.07
Hinton‖‖	do	.16	.35	.12	.12	.15	1.25	T.		T.	.44	.09	.10	.09			T.						T.						T.				2.87
Huntington	Ohio	.31	.12	T.		1.38	1.38			.76	.02	.04	.09			T.	.06		T.			.26	.20				T.		T.		.04		4.66
Kanawha Falls‖‖	Gr. Kanawha.	.02	.20				1.20	.30		.02	.44	.22	.09	T.		T.	T.						.10					T.		T.			2.59
Kayford‖‖	do	.12	.09	.12	.11	.07	1.62	.06	.01	.04	.35	.33	.13	.01			T.	T.		T.			.07					.02	.03				3.18
Logan‖‖	Guyandotte	.20	.21	T.	.01	T.	2.25	T.	T.	.08	.38	.13	.08	.20			T.			T.			.13					.03	.08		T.		3.78
Madison	Gr. Kanawha.																																
Point Pleasant‖‖	Ohio		.46	.04	.02		2.36	.04			.60	.08	.14	T.			.08		T.				.46				.01		.08		.02		4.39
Rainelle	Meadow Creek	.25	.61			.54	1.37	.01		.60		.52	.17	.01		.04			.01				.03				T.						4.16
Ravenswood(Dam 22	Ohio‖‖		.36		.03		2.10				.59	.16	.05	.06			.07		.03				.47				.06	T.	.02				4.00
Richwood	Gr. Kanawha.	.02	.27	.08	.07	.37	1.16	.14		.37		.30	.24	.08		.04	.02	.01	.01				T.				.15	.01					3.34
Robertsburg‖‖	do		.32	.03	.02		2.04	.02		.11	.48	.04	.12	.02			.04						.39						.09		.02		3.74
Ryan	do	.06	.38	.06	.04	1.07	1.32			.55		.10	.10	.10			.08	.01				.38	.09				.10	.08					4.52
Sharples‖‖	Coal River	T.				T.	2.12					.32	.16	T.												T.							2.60
Spencer ‖‖	Gr. Kanawha.		.35	T.	.08	.04	2.00	.02		.06	.46	.11	.12	.03			.05		.04			T.	.29	.09					.04		T.		3.78
Summersville	do		.10	.10	.25	.15	1.31	.08		.06	.47	.26	.21	.04									.08					.15					3.26
Sutton	Gauley	.20	.50	.40	.10	.20	1.30	.10		.45		.50		.10				.08	.15				.10				.30						4.48
Thornwood	Gr. Kanawha.		.12	.47		1.79	.10			.70				.11				.29															3.58
Union	do	.16	.55				.88			.50				.15									.10										2.34
Wayne‖‖	Big Sandy	.01	.36	.05		.12	2.35		.20		.60	.11		.15	.02								.33								.05		4.35
White Sulpr. Spgs.‖‖	Gr. Kanawha.	.60		T.	.10	T.	1.00			.65	.20	.20																					2.75
Williamson‖‖	Big Sandy	.14	.36	.02	.04	.22	1.99	.08		.11	.37	.18	.14	.04			T.						.11								.01		3.81

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.100	.051	....	....	.251	.093	.034	....	.064	.078	.075	.052	.124	.057	.134	.289	.177	.066	.066	.033	.334	.138	077	.111	.125	.192	.134	.055	.244	.132	....	3.286
	Wind movement	75	53	266	246	55	69	109	188	29	26	90	100	60	41	48	216	190	110	66	41	198	146	58	46	60	95	60	39	69	37	....	2,886

Daily Temperatures for April, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	53	60	45	38	50	60	45	45	45	60	48	48	62	73	70	40	38	38	69	72	54	58	58	70	66	55	80	85	77	75	....	57.9
	Minimum	28	38	20	18	30	40	31	15	25	36	35	33	23	38	35	28	28	28	28	42	20	15	21	25	43	25	35	42	42	45	....	30.4
Brandywine	Maximum	56	64	55	52	50	65	58	46	45	65	60	54	52	70	75	72	65	50	47	76	78	60	57	54	67	70	60	78	75	76	....	61.7
	Minimum	34	38	27	24	34	44	30	21	36	37	38	34	32	26	48	44	35	27	22	28	46	32	21	26	29	42	29	40	42	45	....	33.7
Kearneysville	Maximum	51	49	48	47	55	71	58	49	43	51	60	58	59	66	84	77	50	48	50	77	81	53	50	58	63	73	58	80	83	84	....	61.1
	Minimum	34	41	32	27	37	46	38	27	32	37	43	34	34	32	50	48	37	30	37	35	50	32	27	36	30	49	37	37	56	59	....	38.1
Martinsburg*	Maximum	51	50	42	52	56	72	54	50	42	52	62	60	62	68	86	62	52	52	52	80	83	57	58	63	68	75	62	82	87	..	....	61.8
	Minimum	36	36	33	28	32	40	38	26	30	35	38	38	38	32	40	45	40	34	39	37	44	33	32	38	33	41	38	42	46	55	....	37.2
McNeill	Maximum	56	55	50	49	63	73	66	60	51	64	62	56	56	69	77	77	49	44	50	76	79	49	65	67	68	67	59	89	82	82	....	63.4
	Minimum	33	40	24	24	32	46	46	25	43	38	45	32	33	25	41	45	38	28	22	27	45	32	20	26	28	52	28	34	51	48	....	35.0
Piedmont	Maximum	52	52	43	44	52	62	48	52	42	59	50	52	54	65	77	49	44	42	54	73	78	51	60	57	70	70	56	80	81	80	....	58.3
	Minimum	35	43	29	25	36	48	35	24	29	38	45	34	40	31	41	44	36	34	36	31	46	29	25	32	32	34	39	48	48	53	....	36.7
Romney	Maximum	53	51	50	48	55	66	58	53	52	60	60	56	58	67	82	79	51	45	47	77	81	55	63	62	71	70	61	83	80	86	....	62.7
	Minimum	33	43	29	27	34	47	36	26	31	38	45	35	35	28	40	46	38	32	31	29	47	32	23	30	32	50	30	38	47	51	....	36.1
Upper Tract	Maximum	55	60	57	50	53	68	66	63	56	68	62	69	62	74	79	65	57	47	49	75	78	74	60	67	71	72	68	84	83	82	....	65.8
	Minimum	34	44	27	24	33	36	30	23	34	38	45	35	35	28	50	44	35	34	30	32	56	30	26	27	30	39	34	42	57	51	....	36.1
Wardensville	Maximum	54	52	59	35	..	62	69	53	38	45	59	58	54	56	76	79	45	46	44	54	75	79	53	66	57	67	68	64	81	80	....	59.6
	Minimum	38	42	28	26	..	28	38	26	31	37	44	38	33	28	47	45	33	30	26	28	48	32	23	28	29	42	29	38	52	53	....	35.2
Northern Division																																	
Alpena	Maximum	60	62	33	40	50	58	41	47	43	63	57	45	46	66	72	67	40	35	36	68	70	51	58	56	70	68	63	78	75	74	....	56.4
	Minimum	28	32	18	16	30	40	31	15	28	37	36	34	34	24	45	33	27	27	25	29	48	24	16	22	26	44	28	46	47	46	....	31.2
Bens Run	Maximum	48	48	39	40	50	50	44	47	52	54	54	51	53	55	76	64	64	46	49	70	70	44	57	57	70	70	64	80	69	84	....	57.3
	Minimum	43	39	29	29	40	44	35	33	41	41	51	41	44	43	50	50	41	40	43	49	36	36	38	43	45	53	50	62	50	64	....	43.4
Buckhannon	Maximum	66	66	42	42	52	60	45	45	55	63	60	55	52	72	78	70	58	44	48	72	78	43	54	54	73	61	75	84	83	82	....	61.1
	Minimum	34	38	25	22	38	40	35	21	33	47	43	42	35	29	52	41	32	32	28	32	39	29	25	30	33	41	37	54	50	55	....	36.4
Cairo	Maximum	60	57	41	40	48	57	50	52	52	46	60	56	60	76	80	80	75	60	60	84	80	80	64	65	80	79	75	84	85	86	....	65.7
	Minimum	35	40	28	20	24	39	36	19	31	30	34	42	34	30	36	36	30	28	30	49	46	28	29	28	42	32	36	49	40	50	....	34.4
Clarksburg *	Maximum	62	57	57	45	59	58	58	49	50	65	50	53	55	70	78	69	45	43	48	74	75	70	60	56	75	63	70	82	82	82	....	62.0
	Minimum	35	37	26	26	28	45	35	20	29	38	44	42	32	30	37	42	31	30	25	33	46	28	27	32	31	43	40	42	48	57	....	35.3
Creston	Maximum	53	51	39	45	49	55	49	49	53	58	56	56	57	72	79	75	52	45	54	79	76	47	60	60	77	76	81	83	80	83	....	61.6
	Minimum	36	38	28	20	38	43	36	20	32	46	44	41	35	29	46	41	29	28	31	30	40	28	25	29	30	47	38	57	49	57	....	36.4
Elkins	Maximum	60	64	30	43	56	63	42	47	49	64	51	50	50	70	76	61	41	38	41	71	73	45	54	54	70	60	72	79	79	76	....	57.6
	Minimum	31	30	22	20	34	39	25	20	33	46	42	39	33	28	57	37	32	32	30	33	31	27	23	27	34	37	34	56	56	51	....	34.6
Fairmont	Maximum	68	63	56	47	57	58	57	53	50	67	50	55	58	68	80	67	44	42	49	78	77	70	65	62	84	63	70	84	86	86	....	63.8
	Minimum	34	39	27	22	29	43	35	22	26	38	38	44	34	32	41	42	33	32	30	36	48	27	27	34	35	45	40	45	55	60	....	36.4
Glenville	Maximum	65	63	44	46	52	50	52	50	53	65	64	56	58	75	81	83	55	47	53	79	80	52	63	62	81	79	80	86	86	85	....	64.8
	Minimum	37	42	27	21	39	45	31	21	34	49	45	43	34	31	48	42	34	32	30	31	41	28	25	30	32	48	37	58	52	58	....	37.5
Grafton	Maximum	67	62	41	42	56	58	46	48	50	66	63	53	54	67	79	76	49	43	45	75	75	50	62	62	77	73	65	85	83	81	....	61.8
	Minimum	35	41	27	21	36	42	35	22	30	44	44	42	32	30	48	42	33	31	29	32	40	27	23	29	32	50	36	47	49	56	....	36.2
Lost Creek	Maximum	67	61	40	44	54	60	45	50	50	66	68	61	60	71	78	78	51	42	45	75	75	53	62	62	76	70	70	84	84	83	....	62.8
	Minimum	35	40	26	22	36	42	35	19	30	41	42	50	32	26	50	40	32	29	24	35	38	25	23	34	30	46	43	50	50	57	....	35.1
Mannington	Maximum	59	58	40	40	53	56	46	46	46	60	58	53	54	66	75	73	48	43	48	74	76	45	56	55	74	71	59	81	81	80	....	59.1
	Minimum	34	40	28	15	36	42	35	21	29	39	44	41	32	29	43	42	31	30	26	34	34	25	23	29	30	46	33	44	47	57	....	34.6
Morgantown	Maximum	50	49	31	40	50	50	45	45	46	58	58	57	58	68	69	69	41	39	42	65	69	47	50	61	59	56	60	75	81	81	....	55.6
	Minimum	31	31	27	21	33	39	31	20	31	45	42	33	33	30	34	39	32	31	32	34	31	20	23	32	36	40	40	55	62	64	....	35.1
New Cumberland*	Maximum	51	52	40	43	52	52	46	46	45	59	55	50	55	59	70	63	45	43	52	72	71	42	50	54	69	67	56	78	78	79	...	56.5
	Minimum	33	33	27	23	36	37	27	24	32	42	43	36	38	32	42	40	37	36	38	43	31	25	25	33	35	39	38	50	59	59	....	36.4
New Martinsville	Maximum	55	55	40	40	55	55	47	52	50	60	58	55	58	68	78	74	48	45	50	76	72	45	59	60	77	70	64	80	81	85	....	60.4
	Minimum	35	40	28	24	31	42	29	24	32	42	45	45	34	32	48	41	34	30	35	40	33	28	28	35	37	45	42	50	52	48	....	37.0
Parkersburg	Maximum	53	56	31	42	52	54	50	48	48	57	54	56	57	73	79	58	47	44	54	76	74	45	56	58	77	65	70	80	82	85	....	59.5
	Minimum	36	30	28	25	39	40	30	25	37	46	44	44	36	36	58	40	34	33	36	43	32	28	29	38	40	47	45	61	60	60	....	39.3
Parsons	Maximum	60	65	44	45	59	42	49	62	61	59	55	53	53	69	79	77	41	43	43	73	73	61	61	74	61	70	83	82	82	84	....	62.1
	Minimum	31	36	25	22	39	39	30	21	31	35	44	40	32	32	47	40	33	33	30	30	33	23	27	35	42	33	52	48	52	49	....	35.5
Pickens	Maximum	63	62	35	48	51	55	40	49	49	62	50	50	59	71	72	69	48	47	69	74	55	62	59	61	72	60	73	83	79	77	....	60.1
	Minimum	29	20	18	15	31	37	30	12	20	42	35	35	36	27	45	34	26	23	23	34	25	20	24	30	32	42	31	53	52	52	....	31.1
Reedsville	Maximum	61	60	39	38	54	56	42	46	45	50	60	51	51	61	73	70	47	45	46	69	73	55	55	54	71	70	54	79	79	78	....	57.7
	Minimum	31	31	23	15	32	33	33	19	26	32	39	38	28	23	44	38	31	30	29	29	30	18	19	25	29	42	28	42	42	51	....	31.0
Terra Alta	Maximum	52	60	41	35	..	55	40	42	43	60	57	..	50	60	71	..	70	36	..	67	70	41	54	55	68	..	68	77	76	76	....	57.0
	Minimum	30	38	20	18	..	32	31	16	29	36	38	.	33	25	45	..	28	28	..	29	35	20	19	26	32	..	29	40	45	52	....	31.0
Wellsburg	Maximum	51	53	40	41	52	54	47	49	45	58	56	54	55	64	73	65	45	43	59	77	70	45	58	57	75	72	56	79	81	83	....	58.3
	Minimum	31	39	27	22	36	40	33	23	27	40	43	37	31	27	41	41	33	32	31	35	33	24	20	28	28	43	33	43	41	57	....	34.0
Weston	Maximum	68	65	55	46	49	64	62	49	50	69	65	55	73	81	80	50	44	45	50	75	73	68	62	60	73	72	71	83	81	82	....	64.0
	Minimum	36	40	28	21	35	38	39	20	30	48	42	45	30	59	41	40	32	30	28	38	44	29	27	35	34	48	29	55	56	58	...	38.2
Wheeling(Dam 12)	Maximum	55	56	40	42	55	58	54	52	48	59	49	57	54	64	72	49	46	45	52	74	66	47	57	57	74	60	67	76	78	81	....	58.1
	Minimum	34	31	28	25	28	34	29	25	28	39	45	45	35	32	37	38	34	34	36	36	32	27	26	30	36	41	40	41	56	57	....	35.3
Southern Division																																	
Beckley	Maximum	57	62	38	47	56	60	46	49	48	68	52	50	57	74	....	....	....	....	....	72	74	55	60	62	69	67	74	80	77	80	....	61.4
	Minimum	34	31	18	12	29	44	34	16	33	38	37	34	33	29	....	....	....	....	....	42	55	30	23	....	....	....	....	....	....	....	....	31.9
Bluefield	Maximum	51	63	41	40	....	62	60	47	47	68	66	....	59	73	78	74	53	42	....	68	73	68	62	64	63	...	72	77	76	77	....	62.5
	Minimum	39	41	20	18	....	35	37	19	35	40	39	....	35	36	59	42	34	30	....	31	57	32	29	34	42	....	50	54	56	59	....	38.6
Charleston	Maximum	71	70	60	50	66	65	62	55	59	62	60	62	77	82	81	59	57	50	59	79	80	56	59	62	78	78	82	86	86	85	....	67.9
	Minimum	41	42	28	26	42	44	40	26	40	49	46	41	42	69	47	38	38	37	36	39	56	34	31	31	40	60	46	63	58	62	....	43.1
Gary *	Maximum	63	65	54	53	66	65	57	52	65	73	53	56	62	78	84	60	50	44	51	75	77	65	66	68	74	71	78	83	83	81	....	65.7
	Minimum	40	48	25	21	26	44	43	25	28	43	45	41	34	33	41	48	39	28	32	28	37	35	28	31	39	47	50	49	52	56	....	37.9
Hinton *	Maximum	60	69	42	56	60	67	55	55	46	74	55	58	65	82	86	62	51	46	54	80	79	59	72	70	77	75	82	89	86	89	....	66.7
	Minimum	40	42	28	24	32	37	45	24	33	40	44	39	37	33	36	46	37	30	34	28	34	36	28	38	38	44	51	51	52	55	....	37.9
Huntington	Maximum	58	56	39	49	49	60	54	49	52	59	57	64	65	78	83	81	54	51	58	79	78	52	61	63	80	76	85	85	83	83	....	64.7
	Minimum	40	39	29	27	44	45	40	25	40	46	46	45	40	38	60	43	38	36	39	38	41	32	31	38	39	58	48	65	61	61	....	42.4
Madison	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Point Pleasant	Maximum	56	56	40	47	49	55	53	50	54	58	57	59	63	78	82	80	55	48	58	78	76	51	59	62	80	78	79	83	83	81	....	63.6
	Minimum	36	39	28	24	40	44	38	24	34	44	43	42	38	36	56	41	35	34	37	36	40	29	30	34	35	54	46	60	54	60	....	39.7
Rainelle	Maximum	54	63	....	....	52	58	45	51	47	64	63	52	55	72	77	78	51	40	46	72	74	50	63	62	68	66	73	79	77	77	....	61.8
	Minimum	35	37	....	....	17	44	36	18	33	29	39	33	33	25	43	36	30	25	30	22	47	30	20	24	37	39	42	45	45	51	....	33.8
Ravenswood	Maximum	72	59	57	49	50	54	55	50	54	58	58	51	68	64	83	79	62	61	58	78	75	55	60	68	78	75	81	84	89	87	....	65.7
	Minimum	38	39	28	22	41	42	38	24	35	41	49	44	37	38	34	38	35	30	36	37	41	29	29	36	34	47	43	62	55	59	....	38.7
Richwood	Maximum	59	68	40	47	58	59	52	59	44	63	65	57	54	74	78	77	55	43	44	76	78	52	65	65	72	70	76	82	83	81	....	63.2
	Minimum	35	36	22	20	36	46	36	31	35	42	39	37	37	30	50	41	32	31	31	26	49	31	25	27	38	50	40	53	55	58	....	37.3
Robertsburg*	Maximum	60	61	56	49	59	58	57	54	52	59	58	60	63	80	82	67	51	47	63	79	82	69	62	64	82	65	85	87	85	86	....	66.1
	Minimum	39	41	27	23	26	43	38	24	26	41	45	41	39	34	41	43	36	33	37	35	45	31	29	34	34	45	43	51	51	60	....	37.9
Ryan	Maximum	65	60	38	50	49	60	48	55	58	65	59	54	60	76	85	77	50	50	54	80	80	78	50	63	75	64	85	85	85	85	....	64.8
	Minimum	52	38	28	22	41	40	38	20	38	47	40	40	38	31	48	42	29	29	33	30	29	29	25	31	32	50	39	54	49	58	....	37.7
Spencer *	Maximum	53	60	35	46	60	56	51	50	56	62	54	58	60	77	81	55	48	45	54	78	80	50	61	78	65	65	82	88	84	84	....	62.5
	Minimum	48	41	28	20	40	44	38	20	40	48	45	44	37	32	61	42	34	32	34	44	48	29	28	34	54	40	41	47	58	59	....	40.0
Sutton	Maximum	56	56	45	46	52	55	55	54	54	67	67	56	57	78	79	79	53	48	50	78	78	54	59	61	74	74	75	83	83	81	....	63.6
	Minimum	35	35	28	23	38	50	39	22	35	45	44	41	38	31	42	43	28	34	36	52	49	32	27	30	32	43	40	60	54	56	....	38.7
Union	Maximum	59	65	63	44	....	62	65	51	52	68	71	....	58	75	77	70	59	50	....	71	74	74	64	67	70	....	75	80	81	81	....	66.4
	Minimum	38	44	23	21	....	32	41	20	35	36	41	....	34	28	29	43	33	27	....	25	55	32	23	27	36	....	41	43	53	51	....	35.0
White Sulphur Spgs.	Maximum	67	69	32	50	58	68	53	56	43	56	50	60	61	75	84	57	50	46	46	75	77	57	67	70	72	73	74	83	81	81	....	63.0
	Minimum	39	26	23	30	36	46	20	33	37	41	38	34	26	39	45	34	28	30	24	38	36	32	27	33	39	49	43	50	61	44	....	36.0
Williamson*	Maximum	70	64	57	56	68	69	61	54	64	70	62	63	70	85	86	73	55	50	58	78	80	71	69	70	85	76	83	86	85	83	....	70.0
	Minimum	42	48	29	26	30	44	41	28	33	42	46	45	38	38	42	48	40	35	35	33	38	37	31	35	40	56	49	57	56	63	....	40.8

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 5-25-36—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

VOL. XLIV   PARKERSBURG, W. VA., MAY, 1936   No. 5

GENERAL SUMMARY

The month was warm and unusually dry, with an abundance of sunshine. Except for a few short periods, unseasonably warm weather prevailed during the month, with maximum temperature much above 90° on from six to eight days. Cool weather for the season occurred on the 5th, 15th, and 29th, the temperatures on the 29th were the lowest of record for so late in the season at a few stations. Light to heavy frosts formed on the mornings of the 15th and 29th, with little damage. The average rainfall, 1.99 inches, was less than one-half of the normal, making it the driest May since 1914, and the third driest May of State record. A deficiency in rainfall occurred at all stations, except two, Elkins and Hinton. In some scattered localities the rains were too light to moisten the soil. During the last ten days of the month very little rain fell in the southern and western counties, and droughty conditions were becoming serious at the end of the month. There were many stations having from 10 to 12 consecutive days without measurable precipitation. The cool weather during the last few days of the month together with the lack of moisture, greatly retarded the growth of all crops. Corn was mostly planted and some being cultivated. On account of dry soil, many fields of early corn were replanted. Oats and wheat were generally in poor to fair condition and heading very short. Potatoes and pastures were generally poor and making slow growth.

TEMPERATURE

The average temperature for the northeastern panhandle division was 62.8°, or 2.4° above normal; for the northern division, 63.4°, or 2.2° above normal; for the southern division, 65.6°, or 3.4° above normal; and for the State, 64.1°, or 2.4° above normal. The highest monthly mean temperature was 69.0° at Hastings and Ravenswood, and the lowest, 56.6° at Bayard. The highest temperature was 100° at Hastings on the 7th, 8th, and 9th, and the lowest was 25° at Alpena on the 15th, and Bayard on the 29th, making the monthly range for the State 75°. The greatest daily range was 59° at Brownsville on the 11th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.89 inches, or 1.81 inches below the normal; for the northern division, 2.08 inches, or 2.03 inches below normal; for the southern division, 1.88 inches, or 2.09 inches below normal; and for the State, 1.99 inches, or 1.98 inches below normal. Most of the precipitation was received on the 3d-4th, 12-14th, 18-19th, and 26-27th, the greatest amounts being measured on the 13-14th, and 18-19th. The greatest monthly precipitation was 4.30 inches at Elkins, and the least, 0.62 inch at New Martinsville. The greatest amount in any 24 consecutive hours was 2.14 inches at Kanawha Falls on the 13th. The average number of days with .01 inch or more of precipitation was 6.

LIGHT HAIL

Light hail occurred in sections of the following counties on dates given: Berkeley, 19th; Hampshire, 18th; Randolph, 3d; Tucker, 12th and 18th.

MODERATE HAIL

Moderately heavy hail fell in and near Martinsburg, Berkeley County, on the 14th, and Parkersburg, Wood County, on the 13.h. Practically no damage resulted.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 5t , 3; 6th, 1; 12th, 1; 13th, 4; 15th, 1; 20th, 1; 26th, 1; 30th, 3; 31st, 1.

Thunderstorms: 2d, 4; 3d, 2; 4th, 1; 10th, 3; 11th, 1; 12th, 4; 13th, 22; 14th, 4; 15th, 2; 18th, 15; 19th, 6; 24th, 1; 26th, 7; 27th, 2; 28th, 1; 29th, 3, 30th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

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Stations	Atmospheric pressure (reduced to sea-level) Mean	Highest	Date	Lowest	Date	Wind Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity 8 a. m.	local noon	8 p. m.	Percentage of Sunshine
Cincinnati, Ohio	30.08	30.45	22	29.71	31	6.5	22	sw.	2	70	46	52	84
Columbus, Ohio	30.08	30.49	21	29.70	31	8.0	37	sw.	2	66	44	51	78
Elkins	30.11	30.52	22	29.78	31	5.1	29	w.	13	82	51	59	71
Parkersburg	30.11	30.50	21	29.76	31	5.5	23	sw.	2	71	41	52	72
Pittsburgh, Pa	30.06	30.53	22	29.68	31	10.0	34	nw.	2	63	41	49	84
Wytheville, Va	30.05	30.52	22	29.66	28	5.3	21	w.	13	65	36	50	77

COMPARATIVE DATA FOR MAY

Year	Temperature Mean	Maximum	Minimum	Precipitation (inches) Average Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	.....	.....	2.38	3.11	3.60	3.18	.....	.....	.....	.....	.....
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	.....	.....	.....	.....
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	**105**	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	**68.3**	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	.....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	**1.46**	0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	**55.5**	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	**55.5**	93	23	8.74	7.12	6.72	**7.20**	0.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926	61.2	94	**14**	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	0	18	8	10	13
1934	63.1	100	27	2 56	2.05	1.97	2.08	0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	0	6	20	7	4
Period	61.7	105	14	3.70	4.11	3.97	3.97	T.	11	13	9	9

Climatological Data for May, 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	56.6	+0.2	85	10	25	29	48	2.22	−2.10	0.86	0.0	8	27	3	1	w.	Lewis T. Clark
Braudywine	Pendleton	1,586	20	60.4	+1.8	88	8	29	15	47	2.85	−0.23	1.00	.0	7	27	1	3	s.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	....	3.61	......	0.87	.0	9	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......	....	1.35	−2.09	0.67	.0	5	....	....	....	......	Sherman Harrison
Kearneysville	Jefferson	548	6	65.2	......	90	†18	33	15	41	2.11	......	1.27	.0	5	20	9	2	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	67.0	+4.2	[a]96	16	37	15	[a]53	1.27	−2.12	0.42	.0	5	25	6	0	sw.	Dr. H. S. Gardner
McNeill	Hardy	900	40	62.8	+2.6	93	11	28	29	53	1.97	−1.26	0.65	.0	6	16	8	7	w.	D. H. McNeill
Piedmont	Mineral	1,053	23	62.7	+2.7	90	8	32	15	41	1.11	−2.54	0.30	.0	5	19	10	2	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	65.7	+2.8	94	8	32	29	48	1.16	−2.37	0.28	.0	8	17	11	3	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	....	1.83	−2.77	0.56	.0	5	....	....	....	......	A. C. Becker
Upper Tract[b]	Pendleton	1,230	37	63.2	+2.9	90	10	31	†15	52	1.74	−1.11	0.57	.0	4	22	5	2	......	Mrs. J. M. Mallow
Wardensville[d]	Hardy	1,200	15	61.4	+2.0	90	12	31	†15	40	1.48	−1.48	0.57	.0	5	19	7	1	......	Reymann Memorial Farm
Division averages	and extremes	......	....	**62.8**	**+2.4**	**96**	**16**	**25**	**29**	**53**	**1.89**	**−1.81**	**1.12**	**.0**	**6**	**22**	**7**	**2**	**s-w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	....	1.67	−2.20	0.78	.0	8	17	7	7	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	....	2.13	......	0.93	.0	6	22	5	4	......	D. N. Furbee
Alpena	Randolph	2,571	6	59.2	......	88	†10	25	15	48	2.98	......	1.25	.0	6	20	7	4	w.	Christian Hertig
Beuson	Harrison	1,080	12	62.6	+1.8	93	10	32	15	44	1.81	−2.12	0.60	.0	7	19	10	2	......	R. D. Marts
Bens Run	Tyler	652	34	66.0	+3.0	95	10	34	5	44	0.75	−3.25	0.32	.0	4	26	5	0	......	Mrs. C. W. Rea
Browusville	Lewis	1,032	13	59.9	......	94	11	30	†4	59	1.71	−2.52	0.54	.0	7	17	10	4	......	W. B. Worley
Buckhannon	Upshur	1,411	39	62.8	+1.7	90	10	32	†15	40	1.41	−3.02	0.68	.0	6	22	4	5	......	H. A. Darnall
Cairo	Ritchie	680	35	64.4	+1.3	95	9	33	15	48	1.35	−2.07	0.45	.0	4	28	0	3	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	63.6	+3.3	95	10	35	†15	48	1.74	−1.94	0.82	.0	4	14	15	2	w.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	....	2.30	−2.19	0.61	.0	9	21	8	2	uw.	George W. Blair
Creston	Wirt	640	34	65.0	+1.9	97	10	35	15	50	3.14	−0.57	1.20	.0	7	21	4	6	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	....	2.50	−1.57	1.44	.0	4	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	....	1.04	−2.38	0.42	.0	6	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	15	......	......	......	......	......	......	....	2.38	−1.22	1.20	.0	4	....	....	....	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	....	3.51	−0.73	0.83	.0	9	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	......	......	......	......	......	......	....	1.36	−2.07	0.77	.0	7	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	35	60.0	+0.8	90	10	32	15	42	4.30	+0.25	1.34	.0	10	15	7	9	n.	U. S. Weather Bureau
Fairmont	Marion	883	30	67.2	+5.1	98	10	35	29	45	2.87	−1.01	1.58	.0	6	22	5	4	w.	J. C. Robinson
Glenville	Gilmer	738	42	67.1	+3.5	97	9	37	15	47	1.93	−2.29	0.52	.0	7	23	2	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	64.2	+2.7	94	10	33	†15	48	2.09	−1.59	1.10	.0	6	15	9	7	......	W. E. Claytou
Hastings	Wetzel	809	1	69.0	......	100	†7	34	15	53	1.86	......	0.96	.0	5	16	8	7	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	....	1.31	−3.36	0.50	.0	4	....	....	....	......	Foster R. Hardmau
Janelew (near)	Lewis	1,020	13	64.6	+4.6	92	†10	34	†15	45	1.89	−2.71	0.78	.0	8	20	4	7	nw.	Dau Burkholder
Lost Creek	Harrison	1,026	38	63.8	+3.4	96	10	31	15	48	1.73	−2.42	0.76	.0	6	21	2	8	w.	Allen Smith
Mannington	Marion	985	33	61.9	+1.5	89	10	32	15	44	2.07	−1.94	0.98	.0	6	20	5	6	w.	Jas. A. Morgan
Morgantown ††	Monongalia	1,250	43	67.8	+5.7	90	†7	34	†15	42	2.25	−1.45	1.00	.0	6	20	9	2	sw.	Bruce Davis
New Cumberland	Hancock	671	38	63.8	+3.6	91	†10	36	15	37	1.28	−2.12	0.53	.0	7	18	9	4	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	65.1	+2.1	94	10	37	15	49	0.62	−3.05	0.38	.0	2	14	13	4	n.	Wm. Ankrom
Parkersburg	Wood	615	49	65.6	+1.8	93	10	40	15	38	1.46	−1.92	0.50	.0	7	17	6	8	uw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	62.2	+3.4	95	10	33	15	46	3.03	−1.10	1.10	.0	6	18	4	9	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	....	3.89	−0.24	1.10	.0	7	23	6	2	......	Robert T. Deem
Philippi	Barbour	1,550	39	......	......	......	......	......	......	....	2.28	−1.99	1.00	.0	5	....	....	....	......	H. F. Brittinham
Pickeus	Randolph	2,697	33	59.8	+1.7	92	10	28	†15	44	3.86	−1.39	1.96	.0	8	23	6	2	w.	Dr. J. L. Cuuningham
Reedsville	Preston	1,710	1	60.2	......	89	†10	27	29	51	2.18	......	1.02	.0	8	24	7	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	....	2.64	−1.72	0.67	.0	8	24	1	6	......	Miss Mary A. Conrad
Terra Alta[j]	Preston	2,559	35	57.6	+0.2	86	11	27	†15	55	2.01	−2.97	0.67	.0	6	15	4	2	w.	E. R. Wagner
Thomas	Tucker	2,950	7	......	......	......	......	......	......	....	2.79	......	1.17	.0	6	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	64.4	+2.8	93	10	33	15	52	1.63	−2.26	0.63	.0	8	17	10	4	w.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	....	2.02	−1.56	0.76	.0	6	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	29	62.7	+2.5	94	10	30	15	49	2.16	−1.04	0.61	.0	7	21	5	5	w.	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	....	1.85	−1.88	0.60	.0	6	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	66.0	+3.3	95	8	35	15	54	1.66	−2.18	0.64	.0	7	7	22	2	......	A. Heury
Wheeling (Dam 12)	Ohio	659	49	63.6	+1.8	93	10	37	15	43	1.59	−1.77	0.68	.0	7	19	8	4	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	....	0.87	......	0.50	.0	5	....	....	....	......	R. W. Rist
Division averages	and extremes	......	....	**63.4**	**+2.2**	**100**	**†7**	**25**	**15**	**59**	**2.08**	**−2.03**	**1.96**	**.0**	**6**	**19**	**7**	**5**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	....	2.29	......	0.82	.0	6	....	....	....	......	H. S. Sutton
Bancroft	Putnam	574	32	67.8	+5.0	95	10	38	15	44	1.98	−1.39	0.78	.0	6	21	0	10	w.	Charles N. Long
Beckley	Raleigh	2,440	33	[f]63.4	+3.6	87	†9	[f]34	†29	[f]43	2.08	−1.54	0.60	.0	10	15	14	2	......	L. A. Mauck
Bluefield[f]	Mercer	2,558	41	64.4	+2.8	86	11	39	29	35	2.69	−0.43	1.05	.0	5	16	8	1	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	68.6	+3.2	94	†10	41	15	43	1.19	−2.59	0.40	.0	6	21	9	1	......	S. E. Damron
Clay	Clay	706	20	......	......	......	......	......	......	....	1.08	−2.71	0.81	.0	3	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	......	......	......	......	......	......	....	1.16	−1.46	0.50	.0	5	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	....	0.99	−2.43	0.39	.0	4	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	....	1.54	−1.92	0.65	.0	7	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	....	1.47	......	0.80	.0	6	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	....	1.19	−2.49	0.81	.0	4	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	20	[b]65.4	+4.3	[b]91	9	[b]38	†6	[c]45	1.17	−2.20	0.65	.0	7	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	67.0	+3.6	97	10	38	15	51	3.57	+0.02	1.72	.0	6	28	2	1	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	68.8	+4.1	95	10	41	15	42	1.51	−2.46	0.91	.0	4	13	16	2	nw.	H. N. Robinsou
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	....	3.67	−0.23	2.14	.0	7	....	....	....	......	J. O. Browu
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	....	1.90	−2.50	0.87	.0	6	....	....	....	......	Cabin Creek. Cou Coal Co
Logan	Logan	700	33	......	......	......	......	......	......	....	1.39	−2.72	0.45	.0	6	....	....	....	......	J. R. Wampler
Madison	Boone	675	15	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	W. E. Holy
Point Pleasant	Mason	595	43	67.5	+2.8	95	†10	37	15	43	1.78	−2.21	0.68	.0	7	22	5	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	59.4	......	88	9	29	15	50	2.29	......	0.70	.0	10	23	2	6	......	L. G. Swiug
Ravenswood (Dam 22)	Jacksou	584	13	69.0	+7.1	98	12	35	15	50	1.59	−2.12	0.78	.0	6	22	2	7	se.	Lockmaster
Richwood	Nicholas	2,193	6	62.7	......	90	10	33	15	47	3.11	......	1.97	.0	9	17	6	8	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	67.1	+3.9	96	10	38	15	48	1.74	−1.66	0.70	.0	7	21	0	10	......	M. Frazier
Ryan	Roane	700	33	64.4	+3.2	95	11	32	†15	45	1.91	−1.73	0.74	.0	7	20	8	3	......	Wm E. Ryan
Spencer	Roane	789	32	66.0	+4.0	96	10	37	†15	45	2.56	−1.09	1.04	.0	7	20	10	1	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	....	3.40	......	1.34	.0	5	....	....	....	......	Carl Perry
Sutton	Braxton	850	30	65.4	+2.1	93	†10	36	15	45	1.20	−3.16	0.65	.0	4	26	0	5	......	C. B. Eakle
Union[e]	Monroe	2,250	32	63.7	+2.8	92	9	32	30	43	1.44	−1.76	0.35	.0	6	25	1	0	......	C. B. King
Wayne	Wayne	598	9	......	......	......	......	......	......	....	1.12	......	0.46	.0	6	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	26	62.3	+1.8	92	8	32	†15	45	1.25	−2.22	0.45	.0	5	25	0	6	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	68.6	+3.6	97	10	41	15	41	1.55	−2.53	0.60	.0	7	19	11	1	nw.	J. E. Dotson
Division averages	and extremes	......	....	**65.6**	**+3.4**	**98**	**12**	**29**	**15**	**51**	**1.88**	**−2.09**	**2.14**	**.0**	**6**	**21**	**6**	**4**	**nw.**	
State averages and	extremes	......	....	**64.1**	**+2.4**	**100**	**†7**	**25**	**†15**	**59**	**1.99**	**−1.98**	**2.14**	**.0**	**6**	**20**	**7**	**4**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for May, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.33									T.	.28	.06	.18				.15	.86						.06	T.	.30						2.22
Brandywine	do			.50							.05	.15	.30	T.					.15	.85							.85						2.85
Circleville ‖	do				.47							.14	.09	.47	.53				T.	.87	.08						.82	.14					3.61
Harpers Ferry ‖	do				.36										.67					.23	.08							.01	T.				1.35
Kearneysville	do			1.12	.15										.24				.18	.42							T.						2.11
Martinsburg ‖	do	T.			.18									.40	.15					.42	.12												1.27
McNeill	do			.65								T.	T.	.35	.29				.16	.44							T.	.08			T.		1.97
Piedmont	do			.16									.21	.30	.23					.21													1.11
Romney	do	.03		.25	.02									.05	.25				.18	.28								.10					1.16
Stony River Dam ‖	do				.38								.21		.56					.45									.23				1.83
Upper Tract	do			.57																.51							.50	.16					1.74
Wardensville ‖	do				.29									.35	.12					.57									.15				1.48
Northern Division																																	
Aberdeen	Monongahela			.22										.09	.23				.28	.50						.10	.16	.09					1.67
Alma (near)	Ohio												.04	.93	.04				.40	.70							.02						2.13
Alpena	Monongahela			.14									T.	.45	.18				.45	1.25								.51					2.98
Benson	do			.01										.18					.58	.60						.12	.25	.07					1.81
Bens Run	Ohio												.30	.32	.05				.08														0.75
Brownsville	Monongahela			.09										.36	.31				.09	.54							.27	.05					1.71
Buckhannon	do			.05										.22				.05	.68								.32	.09					1.41
Cairo	Litl.Kanawha													.30			.30	.45							.30								1.35
Clarksburg ‖	Monongahela														.82					.80						.07			.05				1.74
Crawford	do			.11										.27	.02				.24	.60						.05	.61	.39				.01	2.30
Creston ‖	Litl.Kanawha			.03										1.03	.17					1.07							.36	.45	.03				3.14
Dam 10, Mon. R. ‖	Monongahela	T.													.74				.21	1.44						.11							2.50
Dam 13, O. R. ‖	Ohio			.16											.10				.14	.42						.21	.01						1.04
Dam 15, Mon. R. ‖	Monongahela	T.	T.												.79				.30	1.20						.09							2.38
Davis ‖	do				.20								.41	.38	.39				.30	.80							.20	.31	.52				3.51
Elizabeth (D'm 3 LK)	Litl.Kanawha			.05											.19					.77						.05	.20	.01	.09				1.36
Elkins***	Monongahela		.01	.82								.16	.04	.66	T.				.59	.85					T.	.08	.33	.76					4.30
Fairmont ‖	do			T.										.80				.27	1.58						.10		.02	.10					2.87
Glenville ‖	Litl.Kanawha				.06										.44				.03	.49							.51	.18	.22				1.93
Grafton	Monongahela			.12									T.	1.10					.28	.40					.13			.06					2.09
Hastings	Ohio												T.	.75	.21				.26	.53						.11	T.						1.86
Horner	Monongahela													.26	.25						.50						.30						1.31
Janelew (near)	do			.23										.30	.20				.20	.58						.13	.15	.10					1.89
Lost Creek	do			T.										.54	.09				.25	.51							.04	.30			T.	T.	1.73
Mannington	do													.36	.10				.51	.98						.10	.02						2.07
Morgantown	do			T.	T.									.20	.50				.40	1.00					.05	.10							2.25
New Cumberland	Ohio		.05	.05										.16	.02				.53	.28					T.	.19	T.						1.28
New Martinsville	do																		.24	.38													0.62
Parkersburg***	do		.08	T	T.							.40		.50					.16	.22					T.	.01	.09						1.46
Parsons	Monongahela		T.	.40									.70	.30					.08	T.	1.10							.45			T.		3.03
Parsons No. 2	do			.55									.87		.30				1.10	.63							.04	.40					3.89
Philippi ‖	do				.14										.57					1.00	T.					.10	.12		.35				2.28
Pickens	do	.10		.45										.75	.11				.86	1.10						.08	.41						3.86
Reedsville	do			.12									.14	.88				.26	.64						.07		.04	.03					2.18
Roanoke	do			.14										.12	.45				.03	.62						.02	.59	.67				T.	2.64
Saint Marys ‖	Ohio			.14	.21									T.	.37				.14	.49						.04							1.39
Terra Alta	Monongahela				.08								.67	.31	.66					.27						T.	T	.02					2.01
Thomas ‖	do				.68										.40				T.	1.17	T.					.07	.02		.45				2.79
Valley Chapel	do				.05									.20	.22				.07	.63						.17	.15	.14					1.63
Vandalia	do			.09										.30					.11	.76							.48	.28					2.02
Wellsburg	Ohio		T.	.15										T.	.18				.45	.28					.43	.06	T.	.61					2.16
West Milford	Monongahela													.30	.20				.45	.60						.10		.20					1.85
Weston ‖	do				.18										.34				.12	.64						.12	.22	.04					1.66
Wheeling (Dam 12) ‖	Ohio			.10											.36				.04	.68	T.					.18	.01	.22					1.59
Woodlands ‖	do			.02											.05				.18	.50						.12							0.87
Southern Division																																	
Arbovale ‖	Gr. Kanawha			.20								.38	.46	.14					.82								.29						2.29
Bancroft	do			.04	.05								.35		.78					.63						.13							1.98
Beckley	do			.25	.30						.07	T.	.08	.25	.16				T.	.60						.07		.06	.24				2.08
Bluefield	do				.30							.47		1.05	.14					.73													2.69
Camden-on-Gauley ‖	Gauley				.19									.10	.90					1.16												.06	2.41
Charleston	Gr. Kanawha			.03								.17		.40	.17				.03	.39								T.			T.		1.19
Clay ‖	do	T.													.26					.81	.01								T.			T.	1.08
Dam 3 G. K. ‖	do				.78										.22					.59	.06							.02	.02				1.69
Dam 6 G. K. ‖	do			.03	.02								.18		.50					.43													1.16
Dam 19 O. R. ‖	Ohio			.15		T.							T.	T.	.35				T.	.39						T.	.10	T.	T.				0.99
Dam 20 O. R. ‖	do			.12										T.	.65				.02	.40						.06	.25	.04					1.54
Dam 25 O. R. ‖	do			.07										.05	.80				.01	.51						.03							1.47
Dam 26 O. R. ‖	do			.03										.17	.18					.81													1.19
Gary ‖	Big Sandy				.48							.07		.16	.65					.38	.01											.02	1.77
Hinton ‖	do				.35					T.		.12	1.72	.18	.55					.65	T.												3.57
Huntington	Ohio			.08										.91					.13	.39								T.					1.51
Kanawha Falls ‖	Gr. Kanawha				.39									2.14	.20					.54	.22						.02		.16			T.	3.67
Kayford ‖	do				.71							.01		T.	.13					.87	.02								.16				1.90
Logan ‖	Guyandotte				.29								.30	.15	.19					.45									.01			T.	1.39
Madison	Gr. Kanawha																																
Point Pleasant ‖	Ohio			.14										.26	.68				.08	.58						T.	.02					.02	1.78
Rainelle	Meadow Creek			.04	.04				.13			.06	.16	.30	.10				T.	.70								.31	.45				2.29
Ravenswood (Dam 22	Ohio ‖														.32				.03	.78						T.	.20	.22	.04				1.59
Richwood	Gr. Kanawha			.33	.07									.01	.43				.45	1.52	.02							.20				.08	3.11
Robertsburg ‖	do	T.		.14									.01	.53	.20				.03	.70								T.				.13	1.74
Ryan	do			.01									.08	.52					.74	.43						.01		.12					1.91
Sharples ‖	Coal River			.10													.10	.62					T.				T.						0.82
Spencer ‖	Gr. Kanawha			.03	.09								.28		1.04					.98					T.		.12	.02	T.				2.56
Summersville ‖	do				.11									.66	.79					1.34									.50				3.40
Sutton	Gauley			.10	T.										.40					.65												.05	1.20
Thornwood ‖	Gr. Kanawha			.10								.21	.72	.07					.93	.10	.04						.33						2.50
Union	do				.25							.16	.35	.17	.20					.31													1.44
Wayne ‖	Big Sandy			.04									.03		.39	.17				.46							.03						1.12
White Sulpr. Spgs. ‖	Gr. Kanawha			.10							.05	.25		.40					.45														1.25
Williamson ‖	Big Sandy				.60							08	.04	.08	.25					.44									T.			.06	1.55

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.089	.201	.291	.132	.102	.132	.177	.200	.222	.179	.211	.222	.176	.244	.166	.179	.156	.255	.149	.211	.188	.212	.189	.324	.168	.179	.045	.249	.244	.146	.088	5.726
	Wind movement	10	33	62	85	62	30	21	26	20	18	16	33	19	98	34	31	20	54	35	72	30	43	9	18	56	38	6	69	109	8	33	1,198

Daily Temperatures for May, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	81	75	62	76	84	80	83	81	84	85	82	74	70	68	75	80	80	70	70	70	72	81	80	75	73	73	70	65	61	65	65	74.5
	Minimum	45	43	33	28	38	34	42	39	44	42	45	50	33	33	31	35	50	50	32	30	34	35	40	57	45	50	42	39	25	29	28	38.7
Brandywine	Maximum	84	85	78	70	67	75	84	88	87	83	87	80	75	67	70	78	83	80	75	78	75	72	82	85	80	73	81	70	64	64	68	77.0
	Minimum	50	48	52	40	37	34	46	48	47	48	55	52	50	41	29	31	45	46	44	39	40	42	42	46	52	55	53	46	31	33	36	43.8
Kearneysville	Maximum	83	84	80	65	70	73	84	89	89	74	78	89	82	78	72	74	88	90	77	72	72	73	83	90	85	80	84	75	71	69	77	79.0
	Minimum	57	53	58	54	44	41	51	55	58	62	52	59	63	43	33	45	47	63	60	47	42	42	44	57	66	55	61	55	35	45	45	51.4
Martinsburg*	Maximum	88	89	83	68	65	80	95	95	95	72	83	84	70	80	80	96	90	82	80	70	80	88	95	88	85	85	70	75	75	82		82.3
	Minimum	55	54	60	53	48	43	50	62	62	65	53	55	64	44	37	43	48	60	63	48	47	45	46	45	55	58	55	55	38	38	52	51.6
McNeill	Maximum	85	90	81	63	64	78	91	90	86	82	93	90	84	78	75	81	90	86	76	72	75	81	83	90	84	80	84	73	71	68	88	81.0
	Minimum	50	52	54	47	41	34	46	49	49	49	50	54	57	40	29	35	41	51	56	38	36	38	42	45	56	54	53	43	28	32	35	44.6
Piedmont	Maximum	84	85	73	61	67	76	89	90	88	87	85	88	76	60	72	77	86	80	73	73	72	74	84	86	79	79	75	61	68	60	74	76.8
	Minimum	54	51	61	48	43	39	48	53	55	55	58	55	54	40	32	43	45	54	57	44	40	41	47	60	49	55	55	47	33	40	50	48.6
Romney	Maximum	87	92	84	63	78	79	92	94	92	87	92	91	85	81	78	81	92	88	78	77	77	75	90	91	85	81	80	77	72	69	76	82.7
	Minimum	53	56	58	42	45	36	47	51	53	53	52	56	59	41	33	41	44	55	57	41	39	40	45	53	66	71	61	51	32	39	41	48.7
Upper Tract	Maximum	86	88	83	75	65	80	89	89	88	90	89	88	88	76	77	80	89	..	68	72	77	79	89	87	..	80	80	75	77	69	75	81.0
	Minimum	50	55	53	41	40	43	37	56	64	51	52	51	52	40	31	36	48	..	53	36	37	41	44	45	..	54	55	45	31	34	38	45.3
Wardensville	Maximum	82	.	..	83	63	68	74	87	89	89	81	89	90	81	61	75	79	89	83	74	73	72	74	..	86	81	..	82	63	69	66	77.9
	Minimum	51	..	..	52	42	36	45	52	51	50	52	57	57	41	31	38	43	51	56	41	39	39	42	..	48	54	..	43	31	35	38	45.0
Northern Division																																	
Alpena	Maximum	81	80	71	56	62	77	83	83	83	88	88	81	74	56	68	76	81	74	74	72	73	74	81	78	72	69	73	62	61	61	65	73.5
	Minimum	50	46	50	43	40	29	44	44	43	43	46	44	50	33	25	30	40	45	56	46	50	51	57	55	60	51	55	46	36	39	42	44.8
Bens Run	Maximum	86	81	77	68	62	82	91	93	92	95	92	78	70	63	65	84	87	74	74	67	72	87	88	88	73	73	76	68	67	62	78	77.8
	Minimum	60	67	62	50	34	43	47	60	61	61	63	65	63	48	36	50	56	46	59	51	53	54	59	49	67	60	56	53	46	46	51	54.1
Buckhannon	Maximum	86	86	80	62	68	78	86	89	89	90	89	86	82	62	72	72	85	85	75	72	73	83	82	86	82	74	83	71	66	62	72	78.3
	Minimum	51	53	57	46	45	39	46	51	53	53	54	61	58	39	32	38	46	53	54	43	43	46	49	49	62	56	53	32	35	32	40	47.4
Cairo	Maximum	80	85	86	82	71	82	90	92	95	92	90	93	80	72	72	85	86	80	80	78	81	78	88	92	85	86	91	65	78	74	74	82.8
	Minimum	60	60	50	42	42	38	48	50	51	54	54	58	42	38	33	50	56	42	42	39	43	48	50	49	48	48	43	36	38	35	40	46.0
Clarksburg*	Maximum	87	86	74	58	70	82	92	92	91	95	91	89	78	61	73	81	87	81	72	73	75	86	86	85	77	75	79	65	65	68	75	79.0
	Minimum	51	57	58	48	39	38	44	50	51	50	53	62	58	41	35	38	45	57	55	42	43	46	49	49	62	57	59	48	35	36	40	48.3
Creston	Maximum	90	89	87	70	71	85	92	92	95	97	92	92	81	63	77	89	88	85	75	74	79	85	87	88	86	75	80	77	62	68	76	82.2
	Minimum	51	59	56	48	44	47	43	49	50	51	53	53	57	43	35	39	44	56	55	42	39	43	47	49	60	54	57	44	37	37	40	47.8
Elkins	Maximum	84	82	71	54	64	78	84	84	84	90	86	84	76	56	69	76	83	77	70	70	76	80	81	81	75	70	76	59	60	58	68	74.4
	Minimum	50	56	54	44	44	36	45	50	50	50	53	53	48	37	32	37	45	54	53	41	39	45	48	46	54	53	50	42	33	36	39	45.7
Fairmont	Maximum	95	92	75	67	74	86	94	94	94	98	93	94	83	69	80	84	93	86	75	77	80	92	93	91	80	83	82	73	67	67	80	83.6
	Minimum	56	62	61	45	40	42	49	54	55	55	57	63	61	39	37	42	48	63	56	44	45	47	53	54	64	57	60	48	35	38	43	50.7
Glenville	Maximum	89	90	87	75	75	83	92	94	97	95	94	91	88	79	78	84	90	88	77	78	83	89	88	90	90	89	85	80	71	67	77	84.9
	Minimum	50	56	58	48	49	40	45	50	52	51	54	64	60	43	37	38	46	56	56	45	42	44	48	50	62	56	61	46	38	40	44	49.3
Grafton	Maximum	90	88	83	67	71	81	90	92	92	94	92	89	83	73	74	79	87	80	75	73	79	87	85	87	81	76	80	73	66	66	75	80.9
	Minimum	53	56	57	45	39	39	42	50	52	52	54	58	58	38	33	38	46	57	55	40	40	45	49	49	61	55	55	44	33	36	40	47.4
Lost Creek	Maximum	90	88	80	65	73	81	90	94	92	96	92	90	80	64	74	82	90	84	75	75	79	89	90	89	82	75	80	70	68	69	77	81.4
	Minimum	50	54	55	48	40	35	44	48	50	49	52	51	57	39	31	35	42	56	55	40	40	43	47	48	60	55	60	42	32	33	37	46.1
Mannington	Maximum	85	85	82	67	67	77	87	88	87	89	87	84	79	63	70	76	84	82	71	69	73	80	81	83	79	76	76	72	62	63	72	77.3
	Minimum	50	58	56	44	36	36	43	48	50	50	52	58	57	39	32	38	43	56	55	40	40	43	48	48	60	54	56	42	33	35	40	46.5
Morgantown	Maximum	84	85	81	70	80	85	90	90	90	90	90	88	82	69	60	82	88	89	80	88	89	90	90	90	84	87	82	76	60	59	60	81.5
	Minimum	63	65	60	41	45	53	54	57	58	67	66	65	60	36	34	60	66	62	42	66	64	62	59	58	59	62	43	34	40	38	39	54.1
New Cumberland*	Maximum	83	87	71	58	67	76	85	89	86	91	87	91	76	66	68	76	84	81	71	66	69	80	84	87	78	84	78	69	59	68	72	77.0
	Minimum	54	58	46	46	41	42	51	55	55	57	61	61	60	38	36	45	48	63	57	43	38	43	56	62	60	53	63	45	40	43	45	50.5
New Martinsville	Maximum	88	87	76	67	71	83	92	90	90	94	91	85	72	64	75	84	90	87	75	71	79	80	89	89	80	82	80	74	63	69	78	80.5
	Minimum	54	63	60	43	40	42	43	53	55	54	56	58	55	41	37	40	46	62	57	44	45	46	52	52	63	55	60	47	38	39	42	49.7
Parkersburg	Maximum	85	87	71	55	70	81	90	91	90	93	91	84	80	60	73	80	89	83	74	70	76	85	86	88	78	79	81	65	62	68	76	78.7
	Minimum	58	61	54	46	44	46	53	57	58	58	61	66	52	43	40	43	51	62	56	49	47	51	59	57	64	59	58	50	40	40	43	52.5
Parsons	Maximum	89	86	75	61	68	62	89	90	81	95	88	90	78	67	74	80	88	80	72	75	81	80	87	86	78	76	78	63	65	62	63	77.6
	Minimum	51	54	56	46	42	37	43	50	50	50	52	54	57	39	33	37	43	54	54	42	40	45	49	47	59	54	56	45	35	37	41	46.8
Pickens	Maximum	85	85	76	58	62	78	85	88	88	92	89	84	75	56	71	78	83	78	68	72	80	84	82	82	77	72	77	64	65	61	68	76.2
	Minimum	48	50	51	42	36	42	48	49	50	49	52	51	51	32	28	34	47	53	45	37	38	45	45	46	49	47	54	39	28	30	34	43.5
Reedsville	Maximum	85	85	75	68	64	76	86	85	85	89	88	86	74	68	68	75	89	85	69	68	73	80	82	83	80	76	76	70	61	61	65	76.6
	Minimum	47	48	53	42	32	31	40	61	76	47	48	52	53	34	28	34	38	50	52	34	36	39	41	43	59	50	57	40	27	29	35	43.7
Terra Alta	Maximum	78	81	..	80	..	..	..	..	..	..	86	83	71	71	66	71	..	79	75	65	69	72	79	..	80	74	74	69	59	59	..	73.4
	Minimum	49	52	..	40	.	..	..	..	..	..	31	53	54	33	27	36	..	42	50	34	35	43	41	..	45	48	60	41	27	34	..	41.7
Wellsburg	Maximum	88	87	85	67	69	80	91	92	91	94	93	88	78	63	74	80	89	82	73	71	77	87	89	86	75	82	79	70	59	68	76	80.1
	Minimum	50	54	55	43	36	36	44	49	49	52	52	54	54	35	30	38	41	56	55	36	34	38	48	48	60	50	58	40	33	37	39	45.3
Weston	Maximum	88	89	75	72	72	85	90	95	93	93	89	88	85	83	74	82	90	86	84	79	81	89	90	88	84	75	82	71	72	71	76	82.9
	Minimum	58	59	56	45	44	43	46	41	45	56	55	61	60	40	35	38	48	56	55	44	43	45	50	49	64	58	62	48	36	38	42	49.0
Wheeling(Dam 12)	Maximum	86	85	75	52	70	81	90	91	91	93	90	85	79	62	73	57	88	81	74	73	78	85	88	87	76	81	75	63	68	69	77	78.2
	Minimum	53	59	48	45	40	38	47	55	55	56	59	60	45	39	37	44	49	49	50	41	42	47	56	58	60	54	50	45	40	50	45	48.9
Southern Division																																	
Beckley	Maximum	84	84	78	63	70	81	84	85	87	87	86	85	78	61	75	81	84	81	77	78	81	78	83	82	80	83	82	76	64	61	72	78.4
	Minimum	..	..	..	..	..	.	..	52	53	53	63	58	54	42	35	38	53	58	55	41	44	52	50	48	50	52	57	52	34	34	35	48.5
Bluefield	Maximum	81	81	..	80	70	77	83	85	81	..	86	81	77	61	73	75	..	82	79	75	77	75	79	..	81	81	82	79	68	..	..	78.0
	Minimum	52	57	..	50	40	42	54	54	58	..	54	56	55	41	40	45	..	57	56	45	50	52	51	..	50	55	57	57	39	..	..	50.7
Charleston	Maximum	88	89	87	81	77	86	91	92	93	94	94	89	82	71	76	87	90	88	78	76	83	85	87	87	88	88	88	84	76	69	78	84.6
	Minimum	56	59	62	52	44	44	52	56	58	57	57	65	62	47	41	44	51	51	58	50	47	52	54	54	54	58	60	57	43	42	45	52.6
Gary*	Maximum	87	86	73	74	73	70	86	90	91	88	87	84	82	67	76	82	86	86	75	79	83	81	83	85	85	86	86	73	..	..	75	81.3
	Minimum	48	50	53	52	41	38	41	48	60	52	58	59	59	47	38	46	48	56	56	47	45	49	44	48	49	55	54	57	39	..	..	49.6
Hinton*	Maximum	93	91	78	69	78	88	95	95	94	97	92	85	84	71	83	88	91	89	81	85	88	86	86	90	88	89	75	73	67	79	80	84.8
	Minimum	50	50	54	54	45	40	44	51	49	53	57	60	60	48	38	42	47	54	58	50	46	50	47	50	53	56	55	41	42	41	42	49.3
Huntington	Maximum	83	89	80	67	76	86	92	91	94	95	94	88	81	66	77	82	90	87	81	75	82	88	89	90	86	89	91	83	69	73	79	83.6
	Minimum	58	62	62	50	42	44	51	56	57	57	62	68	63	47	41	44	52	64	63	50	50	53	55	56	61	57	61	54	45	46	43	54.0
Madison	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
Point Pleasant	Maximum	85	88	84	69	73	85	91	93	94	95	95	93	82	64	76	83	91	88	79	75	80	87	89	90	87	87	88	81	68	72	79	83.6
	Minimum	57	60	57	45	41	42	50	54	55	55	60	64	60	44	37	42	49	63	57	47	45	48	52	53	62	58	62	48	40	43	42	51.4
Rainelle	Maximum	84	84	79	65	65	80	85	82	88	87	85	84	77	61	75	81	85	81	75	75	78	77	83	82	78	82	81	64	63	60	71	77.3
	Minimum	41	42	48	48	35	31	40	43	45	45	49	51	52	41	29	31	39	48	47	38	36	45	43	38	44	47	48	47	32	32	32	41.5
Ravenswood	Maximum	87	87	90	88	85	86	82	95	96	96	97	98	97	87	82	85	89	94	85	79	83	88	94	93	90	84	88	83	72	72	79	87.8
	Minimum	55	55	58	46	39	41	42	52	53	54	59	64	59	43	35	40	48	64	58	46	48	47	51	52	62	57	60	50	39	40	40	50.2
Richwood	Maximum	86	86	82	68	70	80	83	87	88	90	87	85	78	71	75	82	87	85	80	75	82	80	84	86	87	84	88	73	66	61	72	80.3
	Minimum	49	57	52	48	45	36	47	47	49	48	54	55	52	40	33	35	49	44	34	41	41	52	45	44	48	50	50	47	34	36	36	45.1
Robertsburg*	Maximum	90	88	74	65	77	88	93	94	94	96	95	84	85	67	79	87	90	85	77	78	84	90	90	90	83	84	87	71	62	71	78	83.1
	Minimum	58	61	61	49	42	40	49	53	54	56	58	62	60	45	38	41	49	61	57	46	45	48	51	52	59	57	61	48	39	42	41	51.1
Ryan	Maximum	86	87	85	69	72	81	87	88	90	93	95	90	80	70	75	80	88	80	80	80	80	85	85	86	85	85	85	70	65	70	80	81.7
	Minimum	52	55	58	50	43	38	45	50	52	53	55	57	57	41	32	38	46	57	38	43	42	46	48	49	56	54	56	45	35	32	35	47.0
Spencer*	Maximum	88	89	74	60	74	83	90	93	93	96	91	85	80	62	74	82	89	84	84	74	84	87	87	89	82	81	89	79	65	70	77	81.8
	Minimum	59	63	60	49	45	40	45	53	54	53	56	64	58	44	37	39	47	56	56	45	44	47	55	51	60	58	59	48	37	37	40	50.3
Sutton	Maximum	88	88	86	69	71	81	89	91	91	93	93	88	81	81	75	83	89	89	83	76	79	85	86	87	87	80	80	78	68	63	76	82.4
	Minimum	52	53	54	51	48	39	46	51	52	52	54	56	58	44	36	38	46	54	56	45	42	45	47	48	60	55	57	46	37	39	41	48.5
Union	Maximum	85	86	..	88	71	81	87	90	92	..	88	85	81	77	71	79	..	87	84	80	82	83	81		84	83	85	82	73	71	..	82.2
	Minimum	45	47	..	50	39	40	44	48	53	..	52	52	53	44	35	36	..	44	54	41	46	48	40	..	43	50	52	55	33	32	..	45.2
White Sulphur Spgs.	Maximum	87	88	84	66	70	82	89	92	89	90	90	88	81	68	76	81	87	88	72	79	80	76	81	87	86	84	86	74	71	63	75	81.0
	Minimum	44	50	51	36	33	41	46	51	47	55	55	55	45	34	32	41	50	54	41	41	46	39	42	42	49	49	48	33	32	34	36	43.6
Williamson*	Maximum	86	88	74	69	70	84	90	91	96	97	92	87	90	66	77	82	90	89	82	79	84	85	86	92	93	89	92	77	72	70	79	83.8
	Minimum	56	56	59	55	45	43	56	55	56	57	60	63	62	50	41	47	51	60	62	52	48	52	51	52	54	60	60	58	43	44	45	53.3

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 6-23-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIV Parkersburg, W. Va., June 1936 No. 6

GENERAL SUMMARY

The past month was exceptionally dry, being the driest June of State record. The average rainfall, 2.41 inches, was about one half of the normal. The outstanding dry Junes were in 1895, 1930, and 1933, when the averages were 2.92, 2.87, and 2.75 inches, respectively. One of the most severe droughts of record for the State during the growing season prevailed throughout the month, being most severe in the western and central counties. The rains occurred during thundershowers and were unfavorably distributed throughout the month and over the State. There were some scattered stations that had from 12 to 15 consecutive days without measurable precipitation. The temperature averaged somewhat above the normal, with the highest readings on the 3d, 17th, and 30th, and the lowest occurred generally on the 1st, 2d, 5th, and 25th. Crops suffered severely from high temperatures and lack of moisture, and at the close of the month, potatoes were in poor condition and slowly drying up, and pastures and meadows were burned brown. Corn suffered considerably from the drought and was generally in poor to fair condition. Heavy local showers and high winds caused some damage to crops in scattered localities.

TEMPERATURE

The average temperature for the northeastern panhandle division was 68.9°, or 1.4° above normal; for the northern division, 70.0°, or 1.0° above normal; for the southern division, 72.0°, or 1.9° above normal; and for the State, 70.5°, or 0.9° above normal. The highest monthly mean temperature was 75.8° at Huntington, and the lowest, 62.2° at Pickens. The highest temperature was 105° at Hastings on the 17th, and the lowest was 32° at Brownsville on the 2d, making the monthly range for the State 73°. The greatest daily range was 59° at Hastings on the 29th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 3.69 inches, or 0.21 inch below the normal; for the northern division, 2.61 inches, or 1.83 inches below normal; for the southern division, 1.62 inches, or 2.79 inches below normal; and for the State, 2.41 inches, or 1.91 inches below normal. The greater portion of the precipitation was received on the 4th, 7-8th, 11-12th, 18th, and 30th, the greatest amounts being recorded on the 4th, 7th, and 30th. The greatest monthly precipitation was 5.34 inches at Harpers Ferry, and the least, 0.37 inch at Dam 19, Ohio River. The greatest amount in any 24 consecutive hours was 3.00 inches at Fairmont on the 7th. The average number of days with .01 inch or more or precipitation was 7.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Pendleton, 4th and 18th; Randolph, 7th and 30th; Lewis, Mingo, Raleigh, and Wood, 30th.

HEAVY HAIL

Moderate to heavy hail fell in and near Martinsburg, Berkeley County on the 4th and 14th, with little damage. Heavy hail fell at Reedsville, Preston County on the 8th; the stones were about the size of a small marble and caused practically no damage. Moderate hail fell at Bens Run, Tyler County on the 23d; Parsons, Tucker County, and Ryan, Roane County, on the 30th, with no damage.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 6th, 1; 8th, 1; 9th, 2; 12th, 1; 13th, 4; 14th, 1; 17th, 1; 19th, 3; 20th, 5; 21st, 2; 24th, 1; 25th, 5.

Thunderstorms: 3d, 2; 4th, 5; 6th, 2; 7th, 9; 8th, 6; 10th, 2; 11th, 12; 12th, 1; 16th, 1; 18th, 12; 19th, 1; 27th, 1; 28th, 2; 30th, 20.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.92	30.21	22	29.52	1	7.0	26	w.	30	64	41	46	83
Columbus, Ohio	29.92	30.22	22	29.51	1	9.4	35	ne.	29	64	40	45	77
Elkins	29.94	30.22	5	29.60	30	5.2	32	nw.	30	78	48	59	66
Parkersburg	29.95	30.23	22	29.58	29	6.3	30	nw.	30	65	48	48	72
Pittsburgh, Pa	29.91	30.23	22	29.55	1	9.6	32	nw.	17	66	46	55	77
Wytheville, Va	29.90	30.18	26	29.62	30	5.7	26	nw.	30	72	44	60	62

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	......	......	3.40	5.40	4.97	5.02	......	......	......	......	......
1892	74.1	99	41	4.30	3.85	3.77	3.90	......	......	......	......	......
1893	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	......	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	......	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	......	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	......	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903	65.1	93	34	5.23	5.48	4.09	4.80	......	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	......	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	......	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	......	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	......	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	......	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.51	4.66	......	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	......	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	......	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	......	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	......	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	......	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934	**74.3**	106	41	2.94	3.88	3.07	3.45	......	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
Period	69.6	109	27	3.90	4.44	4.41	4.32	......	10	13	10	7

Climatological Data for June 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	64.4	+0.9	92	18	33	5	45	2.53	−2.60	0.62	0.0	7	27	1	2	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	67.0	0.0	97	30	40	†1	47	3.55	−0.33	1.10	.0	13	18	3	9	n.	Elmer Keister
Circleville	Pendleton	...	4	...	...	...	...	...	...	...	4.05	...	1.40	.0	8	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	...	...	...	...	...	...	...	5.34	+1.69	2.10	.0	10	...	...	...	...	Sherman Harrison
Kearneysville	Jefferson	548	6	70.8	...	98	3	47	6	35	4.62	...	1.02	.0	9	14	11	5	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	[a]72.8	+1.8	[a]100	3	48	6	[a]42	4.51	+0.37	2.20	.0	8	21	9	0	sw.	Dr. H. S. Gardner
McNeill	Hardy	900	40	68.8	+1.0	97	3	35	1	57	5.08	+1.48	1.81	.0	12	10	9	11	w.	D. M. McNeill
Piedmont	Mineral	1,053	23	69.0	+0.9	93	3	43	5	42	3.78	−0.22	1.15	.0	8	17	3	10	se.	C. A. Suter, Jr.
Romney	Hampshire	824	38	70.7	+0.8	96	3	43	5	46	2.42	−1.40	0.97	.0	8	12	13	5	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	...	...	...	...	...	...	...	2.04	−1.98	0.83	.0	7	...	...	...	...	A. C. Becker
Upper Tract[d]	Pendleton	1,230	37	69.4	+2.0	97	30	41	†2	49	3.59	+0.08	1.51	.0	6	12	11	3	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	15	67.4	+1.9	94	30	41	1	44	2.78	−0.22	0.97	.0	11	17	2	11	...	Reymann Memorial Farm
Division averages	and extremes	...	...	**68.9**	**+1.4**	**100**	**3**	**33**	**5**	**57**	**3.69**	**−0.21**	**2.20**	**.0**	**9**	**17**	**7**	**6**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	...	...	...	...	...	...	...	3.51	−0.85	1.35	.0	9	9	17	4	w.	L. Else Bond
Alma (near)	Tyler	800	9	...	...	...	...	...	...	...	1.61	...	0.98	.0	6	19	6	5	...	D. N. Furbee
Alpena	Randolph	2,571	6	67.3	...	87	30	49	23	26	3.86	...	1.87	.0	8	16	12	2	...	Christian Hertig
Benson	Harrison	1,080	12	69.7	+1.5	96	17	41	1	48	2.28	−1.03	0.65	.0	7	10	17	3	...	R. D. Marts
Bens Run	Tyler	652	34	73.6	+2.8	100	17	49	25	40	2.34	−1.88	1.51	.0	5	25	4	1	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	68.3	−1.2	97	17	32	2	58	4.00	−0.31	2.10	.0	5	20	7	3	...	W. B. Worley
Buckhannon	Upshur	1,411	39	70.2	+1.8	96	30	44	†1	40	5.12	+0.41	2.12	.0	9	23	3	4	...	H. A. Darnall
Cairo[a]	Ritchie	680	35	69.3	−1.0	97	30	41	29	52	1.05	−3.46	0.53	.0	4	20	3	6	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	70.0	+0.6	96	17	43	†1	46	2.07	−2.20	1.48	.0	8	16	9	5	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	13	...	...	...	...	...	...	...	2.89	−1.88	0.80	.0	8	...	...	...	...	George W. Blair
Creston	Wirt	640	34	70.8	+0.1	99	17	41	1	52	0.63	−3.75	0.43	.0	4	18	5	7	...	P. M. Basnett
Dam 10 Mon. R	Marion	826	15	...	...	...	...	...	...	...	1.24	−3.10	0.66	.0	6	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	20	...	...	...	...	...	...	...	0.90	−2.93	0.31	.0	5	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	15	...	...	...	...	...	...	...	3.56	−0.43	2.42	.0	7	...	...	...	...	Lockmaster
Davis	Tucker	3,093	27	...	...	...	...	...	...	...	3.89	−1.07	1.10	.0	8	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	...	...	...	...	...	...	...	1.67	−2.54	1.03	.0	6	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	35	66.4	−0.5	92	17	40	5	43	3.05	−2.01	1.80	.0	8	9	16	5	n.	U. S. Weather Bureau
Fairmont	Marion	883	30	72.4	+2.1	100	17	46	5	48	4.53	+0.12	3.00	.0	9	19	7	4	w.	J. C. Robinson
Glenville	Gilmer	738	42	73.8	+2.7	100	†17	43	1	50	1.47	−2.92	0.44	.0	8	23	2	5	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	70.0	+0.9	96	17	42	1	46	3.66	−0.47	1.58	.0	8	17	4	9	...	W. E. Clayton
Hastings	Wetzel	809	1	75.4	...	105	17	43	1	59	0.88	...	0.36	.0	5	21	2	7	w.	L. G. McIntyre
Horner	Lewis	1,044	13	...	...	...	...	...	...	...	4.28	−0.78	2.78	.0	5	...	...	...	...	Foster R. Hardman
Janelew (near)	Lewis	1,020	13	71.2	+1.7	96	†17	42	5	47	3.28	−0.79	1.20	.0	8	19	7	4	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	71.4	+3.8	98	17	41	29	51	2.14	−2.19	1.08	.0	6	17	6	7	w.	Allen Smith
Mannington	Marion	985	33	67.8	0.0	93	17	42	†1	43	1.73	−2.55	0.77	.0	8	17	6	7	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	70.4	+1.1	92	20	40	†3	49	2.04	−2.20	1.15	.0	3	23	5	2	sw.	Bruce Davis
New Cumberland	Hancock	671	38	70.4	+2.2	91	†10	46	5	36	1.20	−3.35	0.38	.0	9	15	8	7	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	72.1	+1.0	100	17	47	†6	44	0.80	−3.31	0.65	.0	2	22	2	6	s.	Wm. Ankrom
Parkersburg	Wood	615	49	73.2	+1.8	98	17	48	25	39	2.07	−1.93	1.15	.0	5	12	14	4	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	69.6	−0.3	96	17	40	1	48	3.40	−1.59	1.02	.0	...	14	6	10	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	...	...	...	...	...	...	...	4.18	−0.81	1.06	.0	9	20	8	2	...	Robert T. Deem
Philippi	Barbour	1,550	39	...	...	...	...	...	...	...	2.74	−1.95	1.89	.0	7	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	33	62.2	−2.7	88	3	38	5	42	4.66	−1.14	1.40	.0	8	18	9	3	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	65.0	...	93	26	36	†5	49	3.04	...	1.10	.0	6	27	3	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	...	...	...	...	...	...	...	1.95	−2.36	0.63	.0	6	24	0	6	...	Miss Mary A. Conrad
Terra Alta[h]	Preston	2,559	35	64.4	−0.3	88	†17	36	5	43	2.68	−3.50	1.12	.0	7	14	7	1	w.	E. R. Wagner
Thomas	Tucker	2,950	7	...	...	...	...	...	...	...	3.46	...	0.83	.0	10	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	13	71.2	+1.6	96	†17	42	1	46	2.92	−0.83	1.11	.0	8	17	10	3	w.	J. C. Campbell
Vandalia	Lewis	1,120	13	...	...	...	...	...	...	...	2.85	−0.96	0.85	.0	6	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	29	69.0	+1.0	99	17	39	5	52	2.23	−1.91	0.84	.0	5	17	10	3	w.	George P. Pfister
West Milford	Harrison	979	11	...	...	...	...	...	...	...	2.13	−2.14	0.95	.0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	73.8	+3.4	99	†17	45	5	44	1.79	−2.55	0.65	.0	10	4	24	2	...	A. Henry
Wheeling (Dam 12)	Ohio	659	49	71.2	+0.6	97	†17	47	5	45	2.70	−1.13	0.99	.0	7	12	11	7	n.	Lockmaster
Woodlands	Marshall	637	9	...	...	...	...	...	...	...	2.42	...	1.35	.0	3	...	...	...	...	R. W. Rist
Division averages	and extremes	...	...	**70.0**	**+1.0**	**105**	**17**	**32**	**2**	**58**	**2.61**	**−1.83**	**3.00**	**.0**	**7**	**17**	**8**	**5**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	...	...	...	...	...	...	...	3.50	...	0.83	.0	8	...	...	...	...	H. S. Sutton
Bancroft	Putnam	574	32	73.8	+3.1	102	30	44	6	49	0.86	−3.46	0.26	.0	6	17	2	11	w.	Charles N. Long
Beckley	Raleigh	2,440	33	69.8	−0.1	100	30	40	†1	43	2.61	−1.80	1.29	.0	6	10	19	1	...	L. A. Mauck
Bluefield[e]	Mercer	2,558	41	69.0	−1.1	94	30	37	1	44	2.82	−1.41	0.85	.0	8	6	16	3	...	Norfolk & Western Ry.
Charleston	Kanawha	600	33	74.7	+1.6	99	30	44	1	43	1.26	−3.13	0.57	.0	7	17	11	2	...	S. E. Damron
Clay	Clay	706	20	...	...	...	...	...	...	...	1.28	−3.23	0.31	.0	8	...	...	...	...	S. E. Woofter
Dam 6 G. K	Kanawha	598	9	...	...	...	...	...	...	...	1.08	−2.01	0.52	.0	4	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	20	...	...	...	...	...	...	...	0.37	−3.55	0.18	.0	4	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	20	...	...	...	...	...	...	...	0.71	−3.28	0.30	.0	6	...	...	...	...	Lockmaster
Dam 25 O. R	Mason	565	9	...	...	...	...	...	...	...	0.87	...	0.67	.0	4	...	...	...	...	Lockmaster
Dam 26 O. R	Mason	564	20	...	...	...	...	...	...	...	1.35	−2.68	1.00	.0	5	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	20	[a]71.8	+2.5	[a]98	†29	[a]39	1	[b]47	2.45	−2.62	1.39	.0	6	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	73.8	+3.3	103	†17	42	1	51	1.58	−2.72	0.73	.0	7	26	2	2	...	Mrs. M. L. McClung
Huntington	Cabell	538	39	75.8	+2.9	101	29	49	1	46	1.45	−2.78	0.73	.0	5	9	17	4	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	...	...	...	...	...	...	...	1.83	−2.25	0.67	.0	7	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	20	...	...	...	...	...	...	...	1.35	−3.84	0.40	.0	5	...	...	...	...	Cabin Creek. Con Coal Co
Logan	Logan	700	33	...	...	...	...	...	...	...	1.65	−3.24	0.97	.0	5	...	...	...	...	J. R. Wampler
Madison	Boone	675	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. Whitlock
Point Pleasant	Mason	595	43	74.3	+1.9	101	17	46	25	48	0.84	−3.24	0.48	.0	6	21	7	2	s.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	66.1	...	94	30	33	1	50	1.52	...	0.35	.0	11	15	11	4	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	74.1	+3.6	98	29	45	25	44	0.70	−3.44	0.60	.0	2	19	4	7	ne.	Lockmaster
Richwood	Nicholas	2,193	6	70.0	...	98	30	37	1	49	1.30	...	0.35	.0	12	10	18	2	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	73.3	+2.1	98	17	45	†5	47	1.03	−2.79	0.76	.0	5	22	0	8	...	M. Frazier
Ryan	Roane	700	33	70.9	+2.1	97	30	42	1	48	3.31	−1.34	1.67	.0	8	15	14	1	...	Wm E. Ryan
Spencer	Roane	789	32	72.2	+2.5	99	30	44	25	51	2.06	−2.45	1.24	.0	8	18	12	0	...	A. M. McKown
Summersville	Nicholas	1,894	3	...	...	...	...	...	...	...	1.64	...	0.77	.0	5	...	...	...	...	Carl Perry
Sutton	Braxton	850	30	72.0	+0.7	100	†17	41	1	48	2.90	−2.06	0.75	.0	8	19	0	11	...	C. B. Eakle
Union[d]	Monroe	2,250	32	70.4	+2.6	98	30	36	1	51	1.40	−2.59	0.50	.0	5	19	5	2	...	C. B. King
Wayne	Wayne	598	9	...	...	...	...	...	...	...	0.49	...	0.23	.0	5	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	26	69.4	+1.4	98	30	42	†1	43	2.50	−1.48	0.60	.0	7	22	1	7	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	75.0	+2.4	102	17	44	1	46	1.90	−2.87	0.74	.0	6	14	16	0	sw.	J. E. Dotson
Division averages	and extremes	...	...	**72.0**	**+1.9**	**103**	**17**	**33**	**1**	**51**	**1.62**	**−2.79**	**1.67**	**.0**	**6**	**17**	**9**	**4**	**sw.**	
State averages and	extremes	...	...	**70.5**	**+0.9**	**105**	**17**	**32**	**2**	**53**	**2.41**	**−1.91**	**3.00**	**.0**	**7**	**17**	**8**	**5**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for June 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac				.35			.60	.45		T.	.12	.09					.30													.62		2.53
Brandywine	do			.10	.30			.05	1.05			.25	.05	.35					.20	.35	.05			.50					.15		.15		3.55
Circleville ||||	do				.35				1.04	T.		T.	1.40		T.				.31	.22				.09	.27					.37			4.05
Harpers Ferry ||||	do				.83				.76	.06			.73	.05	2.10					.29					.37	.06					.09		5.34
Kearneysville	do			.14	.85			.90	.12			.86	.04	.70										T.	.70						.31		4.62
Martinsburg ||||	do				.25			.02					.75	.20	2.20					.02					.82						.25		4.51
McNeill	do				.20			T.	.07	T.	.48	.66	1.63	.18	.21				.32	.15				T.	.15			.05	T.		.98		5.08
Piedmont	do				.01			.90	.40		.16	1.15		.67					.19												.30		3.78
Romney	do				.28			.18	.31			.97		.18					.07						.15						.28		2.42
Stony River Dam ||||	do				.23				.83						.22				.29	.33					.07					.07			2.04
Upper Tract	do			.39				.60	T.			.45		T					1.51					.26							.38		3.59
Wardensville ||||	do				.29				.97	.35	T	.07	.21	.06	.16					.05					.56	.02					.04		2.78
Northern Division																																	
Aberdeen	Monongahela				.05		.04	.44	.50			.13	.69						.20					.11					T.		1.35		3.51
Alma (near)	Ohio							.18	.01			.01							.35					.08							.98		1.61
Alpena	Monongahela				.35			.32	.16		.17	.18		T.					.54										.27		1.87		3.86
Benson	do				.15			.25	.65			.28							.25					.22							.48		2.28
Bens Run	Ohio							.53					.08						.18					.04				T.			1.51		2.34
Brownsville	Monongahela							.69				.76												.34					.11		2.10		4.00
Buckhannon	do				.26			.15	1.16			1.12	.05						.20					.04				.02			2.12		5.12
Cairo	Litl.Kanawha							.15				.22												.53							.15		1.05
Clarksburg ||||	Monongahela				.08				.25				1.48						.07	.04					.05	.06					.04		2.07
Crawford	do				.26			.05	.80			.55							.25						.25				.01		.72		2.89
Creston ||||	Litl.Kanawha				.05				.10										.43					.05									0.63
Dam 10, Mon. R. ||||	Monongahela								.66				.19						.23	.08					T.	.02			T.		.06		1.24
Dam 13, O. R. ||||	Ohio												.31			.01			.28	.02											.28		0.90
Dam 15. Mon. R. ||||	Monongahela				T.				2.42				.80						.21	.05					.02				.05		.01		3.56
Davis ||||	do				.50				.41				.21						.81									.40	.15	.31	1.10		3.89
Elizabeth (D'm 3 LK)	Litl.Kanawha				.05				.11				.02						.28					.18							1.03		1.67
Elkins***	Monongahela			.08	T.			.42	.19		T.	.06	T.	T.					.43	T.				T	T			.04	.04		1.79		3.05
Fairmont ||||	do			.03				3.00				.62						.23					.02	.03				.02		.02	.56		4.53
Glenville ||||	Litl.Kanawha				.11			.24	.20				.33						.15	.22				.10	.12								1.47
Grafton	Monongahela				.10			.09	.98			.62	.08						.08					.13				T.			1.58		3.66
Hastings	Ohio							.09				.28	T.						.12					.03				T.			.36		0.88
Horner	Monongahela							.30				.75	.25					.20													2.78		4.28
Janelew (near)	do						.15	.60	.60			.25	.18						.30				.10								1.10		3.28
Lost Creek	do				T.			.15	.30			.34	T.						.18					.09				T.	T.		1.08		2.14
Mannington	do							.25	.02			.77							.44					.01				.03	.06		.15		1.73
Morgantown	do								1.15										.30	T.					T.			T.		T.	.59		2.04
New Cumberland	Ohio							T.		.02	.21	.28				T.			.11	.07					.13						.38		1.20
New Martinsville	do											.65																			.15		0.80
Parkersburg***	do			T.			T.	.57				.12				T.			.22					.04				T.	T.		1.12		2.07
Parsons	Monongahela			.04				1.00	.85			*	.14						*	.15			T.				.15	.05			1.02		3.40
Parsons No. 2	do				.37			.65	.97			.07		.07					.57		.20								.22		1.06		4.18
Philippi ||||	do				.05				1.89				.15						.15	.15					.15						.20		2.74
Pickens	do				.27			1.10	.30			.90							.51					.22					.03		1.33		4.66
Reedsville	do							1.03	1.10			.60							.02	.03								T.			.26		3.04
Roanoke	do				.22			.10				.50							.09					.41							.63		1.95
Saint Marys ||||	Ohio				.02				.22	.05			.16						.15			T.		.02	.04	T.					T.		0.66
Terra Alta	Monongahela				T.				1.12		.14	.48		.52					.06						.01			T.			.35		2.68
Thomas ||||	do				.22				.83	.33		.33	.10						.67	.09									.20	.51	.08		3.46
Valley Chapel	do				.11			.20	.91			.27							.28	.05				.28							.82		2.92
Vandalia	do				.30			.24	.38			.82												.26							.85		2.85
Wellsburg	Ohio							T.	.08			.75							.13									.84			.43		2.23
West Milford	Monongahela				.25			.15	.25			.30							.10					.08	.05						.95		2.13
Weston ||||	do				.12				.65				.52						.05	.10				.06	.18	.04			.03	.04			1.79
Wheeling (Dam 12) ||||	Ohio								.05			.21	.64			.01			.15						T.				.99		.65		2.70
Woodlands ||||	do								.82				1.35																		.25		2.42
Southern Division																																	
Arbovale ||||	Gr. Kanawha				.14			.48	.03			.83	.43						.39	T.				.44					T.		.76		3.50
Bancroft	do				.08			.16	.26				.09						.18											.09			0.86
Beckley	do				1.29		.04	.24				.36							.38					T.					T.		.30		2.61
Bluefield	do			.14	.50				.34	.09		.85	.22						.31												.37		2.82
Camden-on-Gauley ||||	Gauley				.37				1.05				.12						.11		.05			.04	.03				.10	.01			1.88
Charleston	Gr. Kanawha				.09		.22	.57		T.		.05	.01						.04					T.					.28		T.		1.26
Clay ||||	do				.20			.12	.31				.05						.30	T				.17					.08	.05			1.28
Dam 3 G. K. ||||	do				.12			.53	.36				.14						.02														1.17
Dam 6 G. K. ||||	do				.24			.20	.52																					.12			1.08
Dam 19 O. R. ||||	Ohio				T.			.10	.18				.08											T.					T.		.01		0.37
Dam 20 O. R. ||||	do				.03			.03	.15				.18			T.			.30					.02					T.				0.71
Dam 25 O. R. ||||	do							.02	.16										.67					.02									0.87
Dam 26 O. R. ||||	do								.05				.10						1.00											.10	.10		1.35
Gary ||||	Big Sandy				1.39				.15				.53						.36	.01										.01			2.45
Hinton ||||	do				.73	T.			.07	.20			.04						.28	.20	.06				T.								1.58
Huntington	Ohio				T.			.29	.24			T.							.16									T.	.03		.73		1.45
Kanawha Falls ||||	Gr. Kanawha				.41	.08		.06	.34			T.	.67	T.		T.			.04	T.	T.			T.					T.	.23			1.83
Kayford ||||	do				.32			.40	.20				.40						T.						T.					.03			1.35
Logan ||||	Guyandotte				.97			.12	.10	.19			.27	T.											T				T.				1.65
Madison	Gr. Kanawha																																
Point Pleasant ||||	Ohio				.02			.08	.16				T.			T.			.48					.06					.04				0.84
Rainelle	Meadow Creek				.28		.02	.30	T.			.35	.01						.18	.17	.02			.01					.13		.05		1.52
Ravenswood (Dam 22	Ohio ||||								.10										.60														0.70
Richwood	Gr. Kanawha				.02		.01	.01	.17			.01	.16						.12					.13		.02			.30	.10	.25		1.30
Robertsburg ||||	do							.76	.05										.17										.02	.03			1.03
Ryan	do							.17	.18			1.67							.30					.03				.01	.08		.87		3.31
Sharples ||||	Coal River				T.					.16									T.						T.					T.			0.16
Spencer ||||	Gr. Kanawha				.05			.10	.03				.48						.09	.06					T.				.01		1.24		2.06
Summersville ||||	do				.05				.77				.30											.17						.35			1.64
Sutton	Gauley				.75		.15	.10	.15			.40	T.						.50					T.	T.				.15		.70		2.90
Thornwood ||||	Gr. Kanawha			.30				.21	.75	.12		.32							.30					.25						.12	.50		2.87
Union	do			.50					.26				.18						.31												.15		1.40
Wayne ||||	Big Sandy			.07		.23		.13					.03						.03														0.49
White Sulpr. Spgs. ||||	Gr. Kanawha			.55				.30	.30			.60						.10	.30												.35		2.50
Williamson ||||	Big Sandy				.74			.55		.01			.26						.03											.31			1.90

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

larksburg	Evaporation	.244	.233	.322	.312	.201	.211	.200	.172	.189	.222	.233	.194	.045	.201	.232	.367	.111	.292	.230	.200	.256	.400	.187	.162	.078	.235	.342	.190	.400	.251		6.912
	Wind movement	59	34	52	80	29	28	20	26	23	27	20	40	21	49	14	26	35	30	31	16	27	64	52	38	31	37	56	71	91	45		1,172

Daily Temperatures for June 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	81	85	85	80	78	80	82	80	74	81	83	70	77	80	79	90	89	92	88	75	68	60	75	86	85	83	82	80	84	89	....	80.7
	Minimum	49	42	48	49	33	36	50	45	55	50	50	49	40	45	42	50	58	50	52	44	38	44	40	45	52	58	55	60	56	55	....	48.0
Brandywine	Maximum	84	86	93	78	79	85	86	80	73	85	80	72	70	80	75	82	85	82	78	90	89	84	70	71	76	84	88	90	82	97	....	81.8
	Minimum	40	45	46	55	43	44	56	51	60	58	57	61	60	50	52	48	50	62	56	57	62	52	46	47	48	47	58	59	40	54	....	52.1
Kearneysville	Maximum	87	94	98	74	79	81	82	82	79	81	88	77	78	79	83	81	87	89	85	89	87	75	71	60	81	90	85	88	85	82	....	82.6
	Minimum	52	60	68	62	50	47	60	58	63	61	65	62	58	56	56	55	55	70	63	63	69	57	49	51	50	59	69	69	52	59	....	58.9
Martinsburg*	Maximum	92	97	100	81	85	88	82	72	82	85	91	82	80	82	82	85	91	92	87	95	90	80	70	62	85	95	95	92	88	..	....	85.8
	Minimum	58	62	65	62	51	48	58	65	62	62	65	65	62	58	58	58	55	65	65	65	72	58	49	49	50	53	60	70	65	62	....	59.9
McNeill	Maximum	89	93	97	87	81	89	90	83	82	88	87	78	77	80	85	84	90	91	84	94	90	79	71	59	82	91	88	89	89	96	....	85.4
	Minimum	35	47	56	59	38	40	59	62	60	55	58	63	56	50	50	49	50	66	57	59	63	51	44	50	46	47	56	63	40	39	....	52.3
Piedmont	Maximum	86	90	93	79	77	86	83	78	77	81	80	75	72	86	84	80	89	90	79	88	85	74	62	57	78	88	84	86	82	84	....	81.1
	Minimum	56	48	57	55	43	45	58	60	65	61	62	62	55	64	63	60	52	66	63	63	66	55	46	50	48	48	62	66	45	60	....	56.8
Romney	Maximum	90	93	96	90	82	88	87	79	80	86	89	79	76	81	87	86	93	93	83	94	89	80	75	61	82	94	91	91	87	85	....	85.6
	Minimum	44	49	60	57	43	44	58	64	64	58	61	63	56	55	52	52	51	67	62	60	66	56	45	50	50	55	64	63	44	60	....	55.8
Upper Tract	Maximum	..	90	93	87	89	88	88	..	81	89	86	83	73	82	..	84	92	91	87	92	..	87	88	65	80	90	87	88	90	97	....	86.4
	Minimum	..	41	46	42	42	44	58	..	60	60	61	61	55	52	..	50	50	62	55	58	..	54	46	48	43	49	61	59	41	61	....	52.3
Wardensville	Maximum	85	90	89	75	79	85	85	79	77	83	83	74	75	78	82	81	87	89	89	89	86	71	62	66	78	86	87	89	85	94	....	81.9
	Minimum	41	47	57	58	43	42	56	62	49	58	59	57	55	51	51	50	51	66	59	56	62	51	43	48	46	48	58	61	44	59	....	52.9
Northern Division																																	
Alpena	Maximum	81	84	84	73	77	85	79	78	75	81	82	73	70	75	79	78	80	81	82	86	79	70	57	58	74	84	80	79	83	87	....	77.8
	Minimum	57	60	59	57	54	61	57	59	55	57	58	61	55	51	55	54	65	61	57	60	58	51	49	50	50	59	56	59	58	61	....	56.8
Bens Run	Maximum	87	91	83	79	84	93	88	92	94	94	88	66	74	90	93	89	100	85	93	96	89	74	72	68	83	94	82	92	91	95	....	86.6
	Minimum	52	56	63	51	66	53	66	67	64	66	66	59	57	55	64	61	61	64	66	66	66	57	59	51	49	60	66	68	53	63	....	60.5
Buckhannon	Maximum	84	89	89	89	84	88	84	83	84	86	89	71	75	80	84	81	93	93	82	89	89	76	75	66	80	88	90	89	86	96	....	84.4
	Minimum	44	51	59	54	44	49	60	61	58	59	60	57	59	49	57	54	54	63	60	60	63	54	55	54	47	57	61	63	48	64	....	55.9
Cairo	Maximum	89	94	88	78	80	92	82	92	94	94	91	90	88	92	94	90	93	93	..	91	89	86	80	69	67	92	92	94	93	97	....	88.4
	Minimum	48	56	53	44	48	52	59	57	60	61	54	55	58	54	62	58	62	62	..	62	58	57	51	46	48	43	59	62	41	63	....	54.9
Clarksburg*	Maximum	86	90	86	74	79	89	84	86	87	90	90	78	74	84	86	84	96	93	87	92	84	77	65	63	83	90	86	87	89	91	....	84.3
	Minimum	43	49	59	55	44	47	62	60	58	60	60	58	55	52	54	52	53	65	61	61	65	57	52	54	47	52	63	65	43	62	....	55.6
Creston	Maximum	84	90	89	80	82	86	86	86	92	91	89	75	82	87	93	88	99	93	88	95	92	82	77	79	86	91	90	94	96	96	....	87.9
	Minimum	41	46	56	53	43	47	60	60	57	58	59	58	56	47	56	54	51	63	56	59	60	54	54	48	44	51	57	60	44	62	....	53.8
Elkins	Maximum	83	86	85	70	77	85	81	81	81	84	84	70	72	77	81	78	92	89	84	86	80	72	62	58	76	85	83	83	85	89	....	80.0
	Minimum	41	48	56	47	40	46	59	60	58	58	58	58	53	50	54	51	50	63	57	59	59	54	53	48	46	47	58	54	42	61	....	52.9
Fairmont	Maximum	89	95	90	79	85	95	90	88	85	92	89	76	78	88	92	85	100	96	88	94	87	82	67	62	88	95	90	94	92	89	....	87.3
	Minimum	49	55	63	55	46	50	66	62	62	53	65	58	55	54	58	59	52	65	63	63	65	56	53	53	49	56	65	65	48	63	....	57.5
Glenville	Maximum	89	93	93	90	86	90	91	92	95	94	95	79	85	88	94	95	100	100	92	96	98	91	85	66	88	94	95	93	95	97	....	91.3
	Minimum	43	49	58	46	44	48	62	65	60	61	62	60	58	52	59	55	61	65	60	62	63	56	55	52	48	52	60	63	45	65	....	56.3
Grafton	Maximum	85	90	88	81	81	90	86	84	88	87	81	71	76	84	87	84	96	94	87	92	86	79	71	64	82	91	86	90	90	92	....	84.8
	Minimum	42	48	58	53	43	48	66	60	58	60	60	59	54	51	57	54	55	67	61	62	65	56	49	53	48	51	61	61	44	54	....	55.3
Lost Creek	Maximum	86	91	90	89	83	85	91	80	90	92	90	71	78	88	90	93	98	85	89	95	89	80	72	64	85	91	90	90	92	93	....	86.7
	Minimum	45	50	60	54	67	65	50	60	58	59	60	58	57	48	52	50	56	64	60	60	64	56	50	52	45	51	62	66	41	61	....	56.0
Mannington	Maximum	81	86	84	77	75	86	82	81	83	85	84	69	74	81	84	82	93	89	83	87	84	76	73	66	80	88	85	86	85	88	....	81.9
	Minimum	42	47	56	56	42	44	59	60	58	59	60	57	52	49	53	54	52	63	61	61	61	54	49	48	47	49	58	61	42	61	....	53.8
Morgantown	Maximum	80	82	88	88	89	90	88	90	84	89	90	88	90	89	90	90	91	90	91	92	90	89	90	89	90	89	91	90	90	89	....	88.9
	Minimum	41	41	40	42	40	42	55	62	60	50	50	50	60	55	63	61	62	60	60	50	52	50	50	49	52	49	55	54	57	47	....	52.0
New Cumberland*	Maximum	81	85	84	72	76	86	85	85	87	91	76	75	78	81	87	83	91	89	82	91	85	73	78	71	83	87	87	83	82	84	....	82.6
	Minimum	57	65	56	47	46	50	67	64	62	65	59	57	52	53	59	58	58	65	62	64	59	50	51	55	50	60	73	68	51	59	....	58.1
New Martinsville	Maximum	87	90	87	78	84	90	88	88	88	89	80	75	82	88	90	86	100	93	89	85	86	81	75	71	89	94	89	89	90	82	....	86.1
	Minimum	48	55	60	55	48	47	65	68	61	64	64	58	57	54	57	60	56	69	66	64	64	56	56	49	48	56	63	65	47	62	....	58.1
Parkersburg	Maximum	85	90	80	75	79	89	85	84	89	90	82	76	80	85	92	86	98	92	87	94	83	77	69	71	86	92	89	89	92	95	....	85.4
	Minimum	56	68	63	58	54	55	66	65	64	69	59	58	58	54	64	58	60	65	66	65	65	57	58	52	48	65	73	70	53	66	....	61.1
Parsons	Maximum	88	90	89	77	84	90	86	85	80	87	86	73	75	83	85	83	96	93	92	92	83	61	61	91	90	85	85	90	90	90	....	84.7
	Minimum	40	45	65	55	42	47	58	60	60	59	60	60	55	52	55	53	51	63	60	60	54	54	50	47	58	56	55	42	60	56	....	54.4
Pickens	Maximum	82	87	88	66	67	86	87	85	74	78	75	65	62	65	69	76	80	76	70	77	72	64	57	58	74	78	74	74	74	83	....	74.1
	Minimum	40	45	51	50	38	47	57	55	53	58	56	55	50	44	44	45	58	57	52	55	55	48	47	48	41	48	55	58	40	58	....	50.3
Reedsville	Maximum	71	73	76	77	79	78	82	80	81	80	84	69	71	79	81	78	92	92	84	83	80	78	75	57	80	93	81	84	85	86	....	79.6
	Minimum	40	42	46	48	36	40	53	57	56	55	68	55	47	44	53	48	47	64	56	56	53	52	52	49	42	45	46	68	36	58	....	50.4
Terra Alta	Maximum	79	83	84	77	75	83	..	83	72	79	82	69	68	..	78	..	88	88	..	..	..	83	..	67	74	84	83	..	81	84	....	79.3
	Minimum	40	49	57	50	36	44	..	52	58	56	53	55	48	..	42	..	46	61	..	..	..	49	..	44	45	50	56	..	38	57	....	49.4
Wellsburg	Maximum	86	90	78	77	82	94	90	85	89	94	82	74	83	86	90	86	99	94	88	95	85	78	74	69	88	95	88	84	80	81	....	85.5
	Minimum	46	50	55	43	39	42	61	60	56	59	62	57	49	49	56	52	51	62	58	58	52	43	44	54	41	50	62	62	43	60	....	52.5
Weston	Maximum	89	92	91	88	84	92	90	90	89	95	94	90	80	88	92	88	99	98	90	99	96	88	78	68	86	95	94	92	88	92	....	89.8
	Minimum	46	55	61	56	45	48	64	62	60	61	64	60	59	51	55	57	65	66	60	64	65	58	55	52	49	52	63	64	48	64	....	57.7
Wheeling(Dam 12)	Maximum	85	89	81	77	81	94	92	85	91	90	80	73	81	82	90	85	97	92	87	97	81	77	72	70	87	93	89	84	84	82	....	84.9
	Minimum	55	61	55	51	47	49	53	68	60	65	61	57	58	54	52	59	58	63	63	64	60	51	54	55	49	60	69	64	50	61	....	57.5
Southern Division																																	
Beckley	Maximum	83	85	88	83	81	85	85	84	84	85	85	74	76	79	84	83	93	93	82	89	86	81	71	69	79	86	88	89	94	100	....	84.1
	Minimum	40	56	63	56	42	57	60	57	60	61	59	59	55	45	52	50	55	63	55	60	63	58	53	49	40	52	63	62	53	65	....	55.4
Bluefield	Maximum	81	86	88	75	78	82	..	84	80	86	83	77	77	..	82	84	90	88	84	..	..	87	70	70	77	85	86	86	..	94	....	82.2
	Minimum	37	59	60	56	46	61	..	56	61	62	59	60	53	..	49	55	58	62	58	..	..	60	53	50	44	53	63	63	..	59	....	55.9
Charleston	Maximum	87	91	90	87	83	88	89	87	89	90	89	75	83	86	89	89	98	98	93	94	89	83	86	75	86	91	90	90	96	99	....	88.7
	Minimum	44	54	60	59	49	55	62	68	64	66	65	61	60	55	61	61	59	70	63	66	62	65	63	53	50	58	64	75	57	72	....	60.7
Gary*	Maximum	86	89	91	75	83	..	90	90	86	86	88	78	80	82	85	86	95	93	84	90	90	83	75	73	89	90	93	90	98	98	....	86.8
	Minimum	39	47	53	60	53	54	..	58	58	60	59	65	58	52	54	55	55	65	61	60	62	61	62	50	45	57	58	61	61	61	....	56.7
Hinton*	Maximum	93	97	95	80	89	93	89	91	89	92	93	85	86	87	92	92	103	94	91	97	94	85	65	76	88	96	97	94	103	102	....	90.9
	Minimum	42	48	55	60	51	53	57	59	60	63	61	64	57	52	53	55	53	64	62	63	63	62	60	53	47	51	55	60	55	62	....	56.7
Huntington	Maximum	87	91	91	81	84	94	89	89	91	92	88	78	86	90	94	89	100	97	88	96	90	84	80	77	88	94	97	98	101	100	....	90.1
	Minimum	49	61	64	60	50	56	67	64	65	66	66	61	57	55	61	61	58	68	65	65	67	60	64	54	50	64	69	68	55	72	....	61.4
Madison	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Point Pleasant	Maximum	87	92	90	80	84	92	90	87	93	94	91	85	85	90	94	92	101	93	87	96	94	86	79	77	89	95	92	96	98	100	....	90.3
	Minimum	48	54	59	57	48	53	63	63	61	61	63	58	51	53	63	59	57	64	62	63	65	56	58	51	46	61	67	65	50	69	....	58.3
Rainelle	Maximum	83	77	87	73	80	83	84	82	81	83	85	77	77	79	84	83	93	89	84	88	87	77	66	68	79	87	88	86	92	94	....	82.5
	Minimum	33	35	46	50	39	43	54	54	57	61	54	60	58	44	46	47	46	59	53	56	55	52	51	48	38	45	50	57	43	57	....	49.7
Ravenswood	Maximum	86	91	96	88	85	93	95	92	92	91	97	79	87	93	95	90	95	95	89	94	93	85	74	74	89	92	91	96	98	96	....	90.4
	Minimum	46	60	59	58	46	51	65	60	61	61	64	58	54	49	60	59	55	65	60	61	65	56	58	50	45	59	63	63	58	66	....	57.8
Richwood	Maximum	86	90	91	85	83	86	91	83	86	89	89	75	81	79	87	85	94	92	94	89	92	86	77	64	79	89	95	89	92	98	....	86.5
	Minimum	37	46	52	57	42	49	58	60	58	64	58	60	57	46	49	50	51	64	56	59	59	55	54	51	45	49	54	60	45	60	....	53.5
Robertsburg*	Maximum	89	94	86	78	86	92	85	86	93	94	84	78	82	89	92	87	98	94	94	94	89	84	77	76	89	95	93	93	97	92	....	88.7
	Minimum	46	52	58	58	45	52	63	61	62	65	63	59	57	51	61	60	56	64	60	64	62	58	64	51	45	57	64	65	50	63	....	57.9
Ryan	Maximum	86	90	90	78	85	90	85	88	90	90	90	75	82	85	90	88	95	90	87	95	88	80	75	75	85	90	90	93	95	97	....	87.2
	Minimum	42	46	57	54	43	56	60	58	58	60	60	58	57	48	56	56	54	53	57	60	60	54	55	46	43	55	58	62	47	65	....	54.6
Spencer*	Maximum	86	90	92	77	86	90	87	88	91	93	82	74	81	88	92	88	98	95	89	96	87	79	71	70	90	93	93	95	98	99	....	87.9
	Minimum	45	55	60	57	45	58	52	60	59	61	65	59	58	50	59	59	55	65	59	61	63	59	61	49	44	56	57	64	47	57	....	56.6
Sutton	Maximum	89	93	93	90	80	83	88	88	90	92	92	73	76	84	90	90	100	100	96	93	93	87	75	63	81	92	92	92	92	96	....	88.1
	Minimum	41	49	56	56	46	49	60	64	58	59	62	60	58	51	55	55	53	64	58	62	61	58	54	52	49	51	60	63	47	64	....	55.8
Union	Maximum	87	87	91	90	81	84	..	89	87	85	86	85	82	..	86	87	93	95	84	91	..	90	78	71	81	90	91	..	94	98	....	87.0
	Minimum	36	47	53	57	44	52	..	55	58	63	56	61	57	..	45	52	55	62	57	61	..	60	54	49	42	48	55	..	52	66	....	53.7
White Sulphur Spgs.	Maximum	85	89	93	78	81	88	87	85	80	82	88	81	82	82	81	86	91	91	86	86	90	75	58	71	78	87	90	87	91	98	....	84.2
	Minimum	42	50	60	42	48	58	58	60	62	57	62	62	47	49	50	50	61	60	60	60	59	55	49	45	47	51	65	49	59	62	....	54.6
Williamson*	Maximum	89	92	95	78	83	91	89	87	94	95	95	80	89	86	92	91	102	101	91	95	98	85	82	78	86	93	96	98	99	100	....	91.0
	Minimum	44	51	56	61	51	56	66	63	63	63	63	64	60	55	56	57	56	66	63	63	63	63	60	54	48	55	60	63	64	67	....	59.1

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, 7-24-36—900)

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NE

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

10

R. P. POWELL

VOL. XLIV PARKERSBURG, W. VA., JULY 1936 NO. 7

GENERAL SUMMARY

The month was abnormally warm with a large percentage of sunshine. Although the rainfall averaged somewhat above normal, there were many stations that received unusually light amounts, especially the middle Ohio River counties, thence eastward into the central districts, and in some sections of the Great Kanawha Valley. About sixty percent of the month's rainfall occurred during the last eight days. The rainfall occurred mostly during thundershowers and was unfavorably distributed over the State, with the greatest monthly amounts over the mountain and northeastern counties, and least in the western districts. After the first five days, the month was nearly continuously warm, with maximum temperatures of 100° or above on from five to nine days. Many stations reported the highest temperatures of July record. There were several local excessive rains and heavy hail storms, attended by high winds, causing some damage to crops and buildings in the northern and northeastern counties. The rainfall over the western counties and Little and Great Kanawha Valleys was insufficient for crop growth the entire month. Pastures were seriously injured and many fields were burned brown. In some districts corn was curling badly and beginning to tassel on short stalks.

TEMPERATURE

The average temperature for the northeastern panhandle division was 74.4°, or 2.1° above normal; for the northern division, 74.4°, or 1.2° above normal; for the southern division, 76.7°, or 3.1° above normal; and for the State, 75.2°, or 2.1° above normal. The highest monthly mean temperature was 80.8° at Huntington, and the lowest, 67.0° at Pickens. The highest temperature was 112° at Martinsburg on the 10th, and the lowest was 35° at Bayard on the 31st, making the monthly range for the State 77°. The greatest daily range was 50° at New Cumberland on the 30th and 31st.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 4.92 inches, or 1.35 inches above normal; for the northern division, 5.58 inches, or 0.87 inch above normal; for the southern division, 4.49 inches, or 0.01 inch above normal; and for the State, 5.10 inches, or 0.52 inch above normal. The greater portion of the precipitation was received on the 1st, 5th, 11th, 24th, and 28-29th, the greatest amounts being recorded on the 1st, 5th, 24th, and 28th. The greatest monthly precipitation was 9.75 inches at McNeill, and the least, 0.85 inch at Cairo. The greatest amount in any consecutive hours was 4.04 inches at Parsons on the 5th. The average number of days with .01 inch or more of precipitation was 10.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Mason, 11th; Marion, 16th and 17th; Fayette, 26th; Randolph, 28th.

MODERATE HAIL

Moderate hail fell at New Cumberland, Hancock County on the 10th; Williamson, Mingo County on the 16th, and Bens Run, Tyler County on the 26th, with little damage.

HEAVY HAIL

Heavy hail fell at McNeill, Hardy County on the 10th; the stones were about the size of small marbles and caused considerable damage to crops. Heavy hail fell in and near Martinsburg, Berkeley County on the 28th; the stones ranged in size from 1/4 to 3/4 inch in diameter. Damage was confined mostly to crops.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 2d, 1; 4th, 1; 5th, 1; 6th, 3; 7th, 3; 8th, 3; 9th, 2; 10th, 1; 14th, 1; 22d, 1; 25th, 1; 30th, 2; 31st, 4. *Thunderstorms:* 1st, 2; 2d, 3; 3d, 1; 4th, 10; 5th, 12; 6th, 3; 10th, 8; 11th, 7; 12th, 6; 13th, 2; 14th, 6; 15th, 3; 16th, 2; 17th, 1; 18th, 1; 23d, 12; 24th, 11; 25th, 4; 26th, 4; 27th, 12; 28th, 11; 31st, 5.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	29.94	30.39	31	29.68	23	6.7	21	nw.	11	71	42	48	77
Columbus, Ohio	29.93	30.37	31	29.62	27	7.6	38	nw.	11	63	38	42	73
Elkins	29.96	30.40	31	29.70	27	4.7	34	nw.	5	88	56	72	61
Parkersburg	29.97	30.41	31	29.70	27	5.4	30	nw.	4	71	42	50	66
Pittsburgh, Pa	29.93	30.36	31	29.67	27	8.7	34	nw.	23	67	41	47	84
Wytheville, Va	29.92	30.29	31	29.66	19	6.4	20	w.	1	78	55	66	50

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**	......	......	5.08	6.57	3.50	5.59	......	......	......	......	......
1892	73.4	98	41	3.60	4.44	3.92	4.20	......	9	......	......	......
1893	73.8	98	42	4.40	2.90	2.74	2.96	......	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	......	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	......	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	**9.07**	......	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	......	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	......	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	......	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	......	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	......	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	......	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	......	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	......	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	......	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	......	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	......	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	......	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	......	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	......	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	......	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	......	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	......	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	......	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	......	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	......	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	......	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	......	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	......	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.....	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	......	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	......	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.....	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	..	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	......	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.....	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	......	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09		10	15	10	6
1930	74.9	109	34	0.93	2.06	2.03	**1.90**	......	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	......	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	......	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	......	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	......	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	......	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	......	10	16	10	5
Period	73.1	112	31	3.76	4.68	4.53	4.58	......	10	14	11	6

Climatological Data for July 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	67.9	+0.3	95	†9	35	31	45	4.99	+0.75	1.05	0.0	9	27	2	2	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	72.4	+1.1	98	†10	44	31	41	2.80	−0.77	0.95	.0	9	25	0	6	sw.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	....	6.39	......	2.04	.0	14	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......	....	3.19	−0.31	1.45	.0	11	....	....	....	......	Sherman Harrison
Kearneysville	Jefferson	548	6	76.3	......	105	10	52	31	40	4.14	......	1.57	.0	9	15	15	1	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	^{a}78.7	+3.0	^{a}112	10	55	31	44	4.55	+0.93	1.60	.0	10	20	9	2	w.	Dr. H. S. Gardner
McNeill	Hardy	900	40	73.9	+2.3	102	†9	43	31	47	9.75	+6.72	4.00	.0	11	10	14	7	w.	D M. McNeill
Piedmont	Mineral	1,053	23	75.1	+2.8	101	10	47	31	40	3.70	+0.22	1.90	.0	6	14	14	3	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	76.9	+2.0	106	10	46	31	44	4.93	+1.45	1.70	.0	10	9	19	3	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	....	6.26	+2.12	1.52	.0	8	....	....	....	......	A. C. Becker
Upper Tract	Pendleton	1,230	37	^{a}74.0	+2.3	^{a}101	10	^{a}43	31	^{a}42	4.82	+1.40	2.03	.0	7	19	10	2	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	15	^{f}74.0	+3.4	^{b}100	10	^{f}47	31	^{h}44	3.59	+0.49	0.69	.0	12	^{b}11	^{b}13	^{b}5	......	Reymann Memorial Farm
Division averages	and extremes	......	....	74.4	+2.1	112	10	35	31	47	4.92	+1.35	4.00	.0	10	16	12	3	w.	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	....	6.61	+1.82	2.48	.0	13	7	17	7	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	....	4.31	......	1.51	.0	10	18	8	5	......	D. N. Furbee
Alpena	Randolph	2,571	6	68.4	......	94	10	39	31	43	9.39	......	3.03	.0	11	16	10	5	w.	Christian Hertig
Benson	Harrison	1,080	12	74.0	+1.5	100	†10	45	31	41	4.77	−0.38	1.16	.0	10	15	13	3	......	R. D. Marts
Bens Run	Tyler	652	34	78.0	+2.9	104	†9	53	31	38	3.67	−0.86	1.48	.0	9	24	6	1	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	76.2	+2.4	100	15	48	31	38	6.03	+1.23	1.98	.0	12	15	13	3	......	W. B. Worley
Buckhannon	Upshur	1,411	39	73.4	+1.6	96	16	47	31	33	6.16	+1.44	1.90	.0	12	19	6	6	......	H. A. Darnall
Cairo	Ritchie	680	35	75.9	+1.6	105	†11	38	31	46	0.85	−3.57	0.85	.0	1	26	1	4	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	73.8	0.0	99	10	47	31	38	8.26	+4.18	2.47	.0	11	10	16	5	w.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	....	5.87	+0.73	1.05	.0	12	16	14	1	sw.	George W. Blair
Creston	Wirt	640	34	76.4	+5.7	103	14	45	31	44	2.75	−1.47	1.32	.0	8	12	7	12	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	....	6.63	+2.55	2.63	.0	8	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	....	5.63	+1.27	2.82	.0	6	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	15	......	......	......	......	......	......	....	6.35	+2.42	3.45	.0	9	....	....	....	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	....	6.98	+2.33	2.40	.0	7	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	24	......	......	......	......	......	......	....	1.87	−2.53	0.64	.0	11	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	35	70.9	+0.6	96	10	46	31	38	8.12	+2.74	2.67	.0	14	9	14	8	n.	U. S. Weather Bureau
Fairmont	Marion	883	30	76.6	+2.3	103	14	51	†30	39	5.42	+1.02	3.00	.0	7	18	8	5	w.	J. C. Robinson
Glenville	Gilmer	738	42	77.2	+1.9	102	10	47	31	41	3.59	−1.28	1.62	.0	12	17	8	6	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	73.8	+1.2	98	†10	48	31	36	8.06	+3.98	2.85	.0	9	^{b}11	^{b}4	^{b}8	......	W. E. Clayton
Hastings	Wetzel	809	1	77.6	......	107	12	49	22	43	5.99	......	2.03	.0	10	15	4	12	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	....	3.73	−0.97	0.94	.0	7	....	....	....	....	Foster R. Hardman
Janelew (near)	Lewis	1,020	13	74.8	+0.8	100	†10	45	31	40	4.06	−0.88	1.30	.0	8	22	5	4	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	74.9	+2.7	102	†9	44	31	43	3.81	−0.52	1.60	.0	12	14	8	9	w.	Allen Smith
Mannington	Marion	985	33	71.8	0.0	94	†12	46	31	36	6.72	+1.93	2.30	.0	12	18	10	3	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	72.8	−0.7	96	†9	45	31	42	3.62	−0.76	1.80	.0	6	22	8	1	sw.	Bruce Davis
New Cumberland	Hancock	671	38	73.6	+0.6	103	†9	36	†30	50	4.80	+0.72	1.11	.0	7	14	14	3	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	75.4	+0.2	102	14	50	31	38	4.99	+0.50	2.00	.0	5	17	11	3	s.	Wm. Ankrom
Parkersburg	Wood	615	49	77.6	+2.6	103	14	52	31	35	1.17	−3.12	0.44	.0	10	13	12	6	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	72.8	+2.0	100	9	48	31	43	8.02	+2.93	3.95	.0	8	15	9	7	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	....	8.42	+3.33	4.04	.0	9	22	8	1	......	Robert T. Deem
Philippi	Barbour	1,550	39	......	......	......	......	......	......	....	9.29	+4.56	3.01	.0	14	....	....	....	......	H. F. Brittinham
Pickens	Randolph	2,697	33	67.0	......	95	10	43	30	35	6.32	+0.28	1.48	.0	12	21	6	4	w.	Dr. J. L. Cunningham
Reedsville††	Preston	1,710	1	70.0	......	96	9	38	31	43	4.59	......	2.15	.0	7	25	5	1	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	....	5.61	+0.72	1.40	.0	10	21	5	5	......	Miss Mary A. Conrad
Terra Alta	Preston	2,559	35	......	......	......	......	......	......	....	......	......	......	.0	....	....	....	....	......	E. R. Wagner
Thomas	Tucker	2,950	7	......	......	......	......	......	......	....	8.34	......	2.70	.0	8	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	75.1	+1.1	100	15	47	31	41	4.51	−0.42	1.40	.0	9	11	16	4	w.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	....	5.96	+0.80	2.19	.0	11	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	29	73.8	+1.6	105	14	43	21	46	4.78	+0.60	1.67	.0	7	22	7	2	......	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	....	4.50	−0.15	1.45	.0	12	....	....	....	......	Miss Dicie E. Wagner
Weston ^{a}	Lewis	1,026	41	77.4	+3.0	104	9	49	7	41	7.29	+2.87	1.72	.0	11	0	28	2	......	A. Henry
Wheeling (Dam 12)	Ohio	659	49	76.2	+1.4	103	†9	51	31	37	5.37	+0.88	2.67	.0	6	18	7	6	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	....	5.77	......	2.00	.0	7	....	....	....	sw.	R. W. Rist
Division averages	and extremes	......	....	74.4	+1.2	107	12	36	†30	50	5.58	+0.87	4.04	.0	9	16	10	5	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	....	4.83	......	2.15	.0	13	....	....	....	n.	H. S. Sutton
Bancroft	Putnam	574	32	79.2	+4.5	106	†10	50	†22	41	3.84	−0.33	1.23	.0	8	19	5	7	w.	Charles N. Long
Beckley	Raleigh	2,440	33	72.9	+1.3	96	10	45	31	36	8.06	+3.68	2.22	.0	15	11	15	5	......	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	41	72.8	+1.2	93	10	50	†22	30	6.42	+2.35	1.68	.0	14	9	13	4	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	79.4	+2.5	102	10	52	31	36	3.51	−1.27	1.22	.0	12	24	7	0	......	S. E. Damrou
Clay	Clay	706	20	......	......	......	......	......	......	....	7.29	+2.31	3.02	.0	12	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	......	......	......	......	......	......	....	3.23	−1.79	1.22	.0	7	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	....	2.04	−1.89	0.69	.0	8	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	....	2.52	−1.41	0.58	.0	10	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	....	4.08	......	1.47	.0	9	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	....	3.00	−0.88	0.68	.0	9	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	20	75.6	+2.5	98	10	51	22	34	7.90	+2.97	1.79	.0	16	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	77.6	+3.2	105	9	49	22	45	4.44	+0.37	1.60	.0	13	16	10	5	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	80.8	+4.2	104	†10	53	31	38	3.67	−0.63	2.10	.0	7	7	19	5	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	....	5.98	+1.12	3.42	.0	13	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	....	5.47	+0.30	2.82	.0	14	....	....	....	......	Cabin Creek. Con Coal Co
Logan	Logan	700	33	......	......	......	......	......	......	....	2.71	−2.22	0.44	.0	14	....	....	....	......	J. R. Wampler
Madison	Boone	675	15	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	C. B. Whitlock
Point Pleasant	Mason	595	43	79.0	+2.6	104	†10	50	31	43	6.04	+1.90	2.50	.0	9	18	10	3	s.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	71.0	......	96	†9	40	22	44	6.34	......	0.89	.0	14	17	5	9	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	80.2	+5.1	109	15	49	†22	41	3.45	−0.60	1.37	.0	8	10	12	9	sw.	Lockmaster
Richwood	Nicholas	2,193	6	76.2	......	101	12	43	31	44	4.55	......	1.15	.0	12	18	5	8	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	79.0	+3.6	104	10	50	†22	45	2.60	−1.16	0.91	.0	9	19	0	12	......	M. Frazier
Ryan	Roane	700	33	75.7	+2.6	109	27	45	31	40	3.98	−0.67	1.13	.0	11	13	13	5	......	Wm E. Ryan
Spencer	Roane	789	32	77.4	+3.8	103	†14	47	31	40	1.89	−2.35	0.77	.0	7	17	8	6	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	....	3.57	......	1.25	.0	11	....	....	....	......	Carl Perry
Sutton	Braxton	850	30	76.4	+1.6	102	†10	49	31	39	4.25	−1.08	0.90	.0	11	20	0	11	......	C. B. Eakle
Union ^{d}	Monroe	2,250	32	74.6	+3.0	98	†10	46	22	39	5.39	+1.60	1.65	.0	12	17	10	0	......	C. B. King
Wayne	Wayne	598	9	......	......	......	......	......	......	....	3.69	......	1.48	.0	8	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	26	73.6	+2.0	100	10	46	22	41	3.05	−0.87	1.00	.0	11	24	6	1	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	78.6	+2.5	102	10	51	22	37	7.11	+2.68	2.18	.0	13	13	14	4	nw.	J. E. Dotson
Division averages	and extremes	......	....	76.7	+3.1	106	†10	40	22	45	4.49	−0.01	3.42	.0	11	15	10	6	sw.	
State averages and	extremes	......	....	75.2	+2.1	112	10	35	31	50	5.10	+0.52	4.04	.0	10	16	10	5	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for July 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.60			.43	.94						T.									.11	.30		1.05			.22	.51	.83				4.99
Brandywine	do	.15		.15		.95						T.									.15	.10		.15	.25		.35		.55				2.80
Circleville ‖‖	do	.34	.80	.28	.14	2.04	.37					T.		.47			T.		T.		.17		.16		.34	.13	.29	.39	.47	T.			6.39
Harpers Ferry ‖‖	do	.12	.03			.22						.02	.04								T.	.04			.46		.04	.75	1.45	T.	.02		3.19
Kearneysville	do	.37			.04							T.	.20										.25		.61		.06	1.57	.84	.20			4.14
Martinsburg ‖‖	do	.22	.25			.07						.28	.19										.02		1.10	.02	1.60		.80	T.			4.55
McNeill	do	.97			.30	1.20						4.00	.07						T.		.05	T.		T.	.72	T.	.40	.80	.66	.58			9.75
Piedmont	do	.10			.15	.08																			.97			.50	1.90				3.70
Romney	do	.18			.08	.22						.83	.31									.05			.72			1.70	.76	.08			4.93
Stony River Dam ‖‖	do	.98	1.07			1.52															.08		.04		.91			.49	1.17				6.26
Upper Tract	do	.65				2.03						.37									.10			.82			.44		.41	T.			4.82
Wardensville ‖‖	do	.44	.51	T.		.61						.17		.06							.03		.04		.67			.27	.69	.05	.05		3.59
Northern Division																																	
Aberdeen	Monongahela	1.05	.03	T.	.08	2.48								.05		.48	.02				.09				.51		.05	.79	.95	.03			6.61
Alma (near)	Ohio	.42			.50	1.51										.04					.05			.24	.11		.65	.19	.60				4.31
Alpena	Monongahela	1.70	.08	.14		3.03						.02									.25				.53		.73	.49	1.05	1.37			9.39
Benson	do	.40			.02	1.16							.15			.16									.68	.25	1.00		.83	.12			4.77
Bens Run	Ohio	.09			.28	.07					T.					.26	T.			T.				.57	.16		1.48	.16	.60				3.67
Brownsville	Monongahela	.69	.09			1.98								.19		.04					.08			.02	.57		.58	.57	.90	.32			6.03
Buckhannon	do	.55	.20			1.90							.06				.42				.16			.46	.16		.38	.50	1.06	.31			6.16
Cairo	Litl.Kanawha																											.85					0.85
Clarksburg ‖‖	Monongahela	1.38	.26			2.47						.24		.50							.12				.38		1.19	.24	1.45	.03			8.26
Crawford	do	.86	.02	.20		.70							.08								.33			.67	.13		.83	1.05	.78	.22			5.87
Creston ‖‖	Litl.Kanawha	.97	.35				.04														.07				.35		.20		.34	.43			2.75
Dam 10, Mon. R. ‖‖	Monongahela	.77	T.			2.63						.02		T.		1.21									.67	.13	.12		1.08				6.63
Dam 13, O. R. ‖‖	Ohio	.33				2.82						.02													.85			.25	1.36				5.63
Dam 15, Mon. R. ‖‖	Monongahela	.40	.05			3.45							.02			.20	T.								.68	.23	.03	T.	1.29				6.35
Davis ‖‖	do	.29	.30			2.40						.15									T.				1.51		.80	T.	1.53	T.			6.98
Elizabeth (D'm 3 LK)	Litl.Kanawha		.17				.01							.06		.11	.01				.11				.64		.18	.02	.43	.13			1.87
Elkins***	Monongahela	1.23	.12	.47	.05	2.62						.01					.01		T.		.22			.38	.45	T.	.63	1.23	.08	.62			8.12
Fairmont ‖‖	do	.08			3.00							T.			.20	T.								.51	.24	.10	T.	1.29					5.42
Glenville ‖‖	Litl.Kanawha	.75	.87		T.							.17		.08		.36	.07			.04	.16				.41		.14		.46	.08			3.59
Grafton	Monongahela	.18			.35	2.85									.05						.09			T.	.96		1.52	.52	1.54				8.06
Hastings	Ohio	.31			.70	2.03								.18		.05								T.	.89		.02	.05	1.65	.11			5.99
Horner	Monongahela					.35								.50							.30				.54		.61	.49	.94				3.73
Janelew (near)	do	.52			.15	1.30								.10							.10				.48			.38	1.03				4.06
Lost Creek	do	.26	T.	T.	T.	1.60						.02	.27	.16	.03		T.		T.		.08			.24	.05		.12	.32	.66	T.			3.81
Mannington	do	.35			.84	2.30						.21		.02	.06									.84	.46	.10	.32	.08	1.14				6.72
Morgantown	do				.40	1.80									.50									.50	.32		.10	T.					3.62
New Cumberland	Ohio	T.			.12	.99					.61	.05												.96	1.03			1.04		T.			4.80
New Martinsville	do	.42				2.00																		.80	.12				1.65				4.99
Parkersburg***	do	.06	T.	T.	.01	T.									.10	.12	T.		T.		.02			.05	.18	.19		.07	.37				1.17
Parsons	Monongahela		.50		.05	3.95													T.			T.		.90		.60	.60		1.30	.12			8.02
Parsons No. 2	do	.35		.15		4.04						T.										.06			.86		1.35	.67	.77	.17			8.42
Philippi ‖‖	do	.90	1.01		.08	3.00						.24		1.09							.20				.53	.16	1.03	.26	.72	.02	.04		9.29
Pickens	do	.84	.05	.30		1.02						.58	.04				T.				.13			.70	.78		.65		.97	.26			6.32
Reedsville	do	.36		.06	2.15						T.				.17									.80			.10	.95					4.59
Roanoke	do	.74				.78	.06							.05		T.					.20					.93	.85	1.40	.50	.10			5.61
Saint Marys ‖‖	Ohio	3.12	.02		.54	T.										.13	.03			.03	.09				.62		.75	.02	.74				6.09
Terra Alta	Monongahela																																
Thomas ‖‖	do	.95	1.00			2.70															.09				1.00		.48	.52	1.60	T.			8.34
Valley Chapel	do	.13	T.		T.	1.40								.29		.14					.11				.28		.20	.93	1.63				4.51
Vandalia	do	1.05	.11	.13		2.19															.18			.60	.09		.46	.46	.55	.14			5.96
Wellsburg	Ohio				.21	.56						.22												.67	1.00			1.50	.62				4.78
West Milford	Monongahela	.32			.03	1.45						.15	.35	.19		.07					.25				.60	.20		.20	.69				4.50
Weston ‖‖	do	1.72	.53			1.46								.28		.12	T.				.20				.71		.53	.41	.95	.38			7.29
Wheeling (Dam 12) ‖‖	Ohio	.12				2.67						.28													.75		.19	1.36					5.37
Woodlands ‖‖	do	1.15	.03			2.00																			1.10	.12	.40		.97				5.77
Southern Division																																	
Arbovale ‖‖	Gr. Kanawha	.10		.20		2.15					T.	.15	.21								.09	.05		.40	.12		.92	.25	.12	.07			4.83
Bancroft	do	.78	.56				.30									.43					.14				.13			.27		1.23			3.84
Beckley	do	.51	.07	.30		.19	2.22					.45				.06	.05		1.85	.05	.09	.06			.19	T.	1.23			.74			8.06
Bluefield	do	1.07		.75			1.68					.14		.09		.12	.79				.14	.04			.15	.27		.14		.09	.95		6.42
Camden-on-Gauley ‖‖	Gauley	.53	.33	.02	.05		1.88	.02				.05		.07		.35	.02				.22				.19		.80		.18	.70	.04		5.45
Charleston	Gr. Kanawha	.55	T.	.01			.65					.05	.19			.04	.01				.38				.08		.17		.16	1.22			3.51
Clay ‖‖	do	2.00	.79	.03			3.02							.06		.05	T.	.03			.26				.11				.07	.70	.17		7.29
Dam 3 G. K. ‖‖	do	.55		.01			1.76					.17				.27		.35			.96				.09	.27	.08	.22	.01	.69	.10		5.53
Dam 6 G. K. ‖‖	do	.75	.36				.69																		.06		.01	.14		1.22			3.23
Dam 19 O. R. ‖‖	Ohio	.69	.09				.03					.03				.32	T.			T.	T.				.37		.20		.31	T.			2.04
Dam 20 O. R. ‖‖	do	.58	.18	T.	.14	T.						T.				.30	T.			T.	.05				.24		.08	.10	.53	.32			2.52
Dam 25 O. R. ‖‖	do	1.47	.78											.43		.27	.01	.02							.33		T.		.33	.44			4.08
Dam 26 O. R. ‖‖	do	.18	.68				.65									.49	.10			T.	T.				.12		.40		.02	.36			3.00
Gary ‖‖	Big Sandy	.79	.19	.42	.26		1.71					.33	.31			1.79	.52			.10					.18	.28	.13	.02		.41	.46		7.90
Hinton ‖‖	do	.36	.17	.36	.02	.08	1.21					.02			T.					.36			T.		T.	.06	.07	.09		1.60	.04		4.44
Huntington	Ohio	.30					2.10									T.	.06								.25		.07		.11	.78			3.67
Kanawha Falls ‖‖	Gr. Kanawha	.58	T.	.02	.02	T.	3.42					.09		T.		.04	T.	T.			.15				.12	.28	.12	.28		.75	.11		5.98
Kayford ‖‖	do	.38	.23	.09			2.82					.32				.08	.02					.04			.32	.04	.19	.01		.63	.30		5.47
Logan ‖‖	Guyandotte	.44	.04	.16			.17					.39				.01	.42			.15					.14	.08	.32	.04		.27	.08		2.71
Madison	Gr. Kanawha																																
Point Pleasant ‖‖	Ohio	.74	1.76			T.							.38			.50	T.	1.60		T.					.20		.08		.62	.16			6.04
Rainelle	Meadow Creek	.54	.41	.21		.07	.78					.32		.89			.04		.79	T.		.01			.56		.38		.50	.84			6.34
Ravenswood (Dam 22	Ohio ‖‖	1.37					.30					.09				.24					.10				.16				.67	.22			3.15
Richwood	Gr. Kanawha	.84	.31	.19	.51	.55						.67		.02		.01									.35		.34		.29	.47			4.55
Robertsburg ‖‖	do	.91	.73				.14									.03	T.	T.		T.	.11				.18		.07		.08	.35			2.60
Ryan	do	1.13		.06		.46	.15									.10	.01		.01		.40				.02				.79	.80			3.93
Sharples ‖‖	Coal River	.63	.21	.10			.30								.30					.05	.05						.40		.62				2.66
Spencer ‖‖	Gr. Kanawha		.77			T.	.11					.07				.43					.21								.15	.15			1.89
Summersville ‖‖	do	.81	.55	.05			1.25					.04				.06	.04				.07				.08					.57	.05		3.57
Sutton	Gauley	.90	.80			.40	.10					.25				.15					.30				.35		.15		.60	.25			4.25
Thornwood ‖‖	Gr. Kanawha				2.20	.93							1.10							.53				.81				.51	.11				6.19
Union	do	.75		.91			.40					.17		.15		.25					.10	.05			.65	.06		.25		1.65			5.39
Wayne ‖‖	Big Sandy	.19	.08				1.48					.02					.30								.22		.25			1.15			3.69
White Sulpr. Spgs. ‖‖	Gr. Kanawha	.20	.30			.20					.20				.25		.30		.20							.20	.10		1.00	.10			3.05
Williamson ‖‖	Big Sandy	.99	.19	.13	.05		2.18					.01					2.14			.05					.23	.09	.17			.09	.79		7.11

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.229	.015	.176	.146	.380	.123	.245	.249	.194	.201	.282	.211	.257	.155	.288	.247	.252	.202	.067	.197	.245	.223	.254	.174	.233	.247	.127	.357	.140	.168	.211	6.495
	Wind movement	52	21	17	42	64	18	15	8	12	8	20	8	9	21	26	21	9	12	6	23	25	31	16	68	54	63	44	75	20	67	23	898

Correction: In above Evaporation Table for June 1936, entry on 24th should be .102 and total for the month 6.852.

Daily Temperatures for July 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Northeastern Panhandle Division																																	
Bayard	Maximum	70	80	79	78	79	80	85	90	95	95	92	93	88	93	89	86	88	83	84	81	79	81	78	76	80	80	90	85	75	70	73	83.
	Minimum	60	58	55	57	58	45	42	45	52	55	60	59	57	55	63	49	43	49	52	50	45	43	55	56	46	63	62	61	63	40	35	52.
Brandywine	Maximum	86	88	84	89	83	80	87	92	97	98	92	91	90	93	91	85	90	82	88	82	75	85	87	85	88	85	98	89	87	80	75	87.
	Minimum	52	56	60	57	62	58	49	55	58	62	60	61	62	64	65	58	53	54	60	58	54	52	46	60	52	65	67	64	65	50	44	57.
Kearneysville	Maximum	73	84	86	88	82	83	88	97	104	105	102	96	93	103	95	91	92	88	89	88	81	86	94	87	87	95	87	89	88	79	78	89.
	Minimum	61	60	69	64	61	57	56	60	64	69	68	69	67	68	73	60	57	66	65	66	60	62	58	66	57	60	64	67	71	56	52	63.
Martinsburg*	Maximum	66	82	88	90	88	88	92	102	107	112	106	99	85	107	99	95	95	95	92	93	84	90	98	89	101	88	98	93	90	80	..	93.
	Minimum	62	60	62	62	65	60	58	58	65	70	69	70	69	68	73	64	61	64	68	68	64	65	60	65	63	65	65	63	73	58	55	64.
McNeill	Maximum	78	85	86	85	86	84	89	90	102	102	98	93	88	100	95	89	93	86	90	89	84	88	94	84	88	90	97	90	87	80	78	89.
	Minimum	62	62	66	58	64	60	50	54	58	59	59	64	64	64	67	56	51	51	58	58	54	56	47	62	52	64	68	65	67	50	43	58.
Piedmont	Maximum	66	85	85	83	83	84	87	93	99	101	98	99	91	100	96	88	91	95	87	82	81	86	93	81	86	92	95	87	84	74	76	88.
	Minimum	63	61	63	62	65	57	53	56	68	66	65	70	67	68	65	68	64	66	68	65	59	55	53	63	53	66	63	67	71	51	47	62.
Romney	Maximum	77	87	86	88	86	87	91	98	104	106	100	97	90	103	99	95	97	89	91	90	84	91	95	85	88	91	97	92	87	88	80	91.
	Minimum	63	62	67	60	64	59	51	54	86	63	66	68	78	66	71	57	53	58	60	57	57	57	51	71	58	63	69	67	71	54	46	62.
Upper Tract	Maximum	88	86	87	89	86	..	87	94	100	101	95	93	89	98	92	92	91	88	88	84	83	86	82	90	86	89	96	93	90	85	81	89.
	Miuimum	62	61	61	57	61	..	50	56	59	62	65	65	60	63	67	66	52	55	58	58	55	49	55	48	52	66	65	66	65	50	43	58.
Wardensville	Maximum	69	85	83	..	84	81	85	91	98	100	97	94	84	99	96	87	90	92	90	86	80	88	92	84	....	89	96	87	84	74	76	87.
	Minimum	62	60	66	63	..	60	..	....	....	....	66	67	68	64	69	57	52	57	56	58	56	58	48	64	54	..	64	66	70	57	47	60.
Northern Division																																	
Alpena	Maximum	70	78	76	81	75	81	84	90	90	94	89	88	85	90	86	84	83	79	81	77	77	80	84	76	78	75	89	82	77	68	72	81.
	Minimum	62	63	61	57	58	57	60	65	69	57	61	58	54	55	61	52	47	47	52	53	46	42	41	56	46	65	67	60	61	45	39	55.
Bens Run	Maximum	73	78	82	81	86	88	93	96	104	104	101	104	95	104	98	97	97	88	87	89	90	92	91	88	90	83	99	91	85	80	80	90.
	Minimum	66	64	65	66	65	62	60	64	66	69	71	72	72	70	71	69	62	66	65	61	59	56	60	68	62	70	76	68	64	55	53	65.
Buckhannon	Maximum	71	82	83	84	82	82	85	88	92	93	92	94	90	94	90	96	85	83	85	80	82	83	86	82	85	83	94	85	81	75	75	85.
	Minimum	64	65	63	60	61	59	54	58	61	67	68	67	65	64	68	64	60	57	68	58	54	50	53	64	55	67	70	65	65	66	47	61.
Cairo	Maximum	74	80	81	84	86	86	89	93	103	104	105	105	102	105	102	97	99	99	98	90	92	92	94	92	98	99	102	96	92	80	83	93.
	Minimum	66	66	63	60	72	59	51	57	58	62	64	66	64	68	68	55	58	60	55	52	52	47	58	48	66	64	56	58	49	45	38	58.
Clarksburg *	Maximum	71	80	80	78	82	82	87	93	97	99	94	98	89	93	92	90	92	85	85	84	85	88	89	82	86	85	96	87	86	75	76	86.
	Minimum	66	65	63	61	63	58	53	58	62	64	68	69	67	65	69	62	55	60	60	55	54	54	51	65	54	64	71	67	68	50	47	60.
Creston	Maximum	74	81	84	89	87	88	91	95	101	103	100	102	98	103	101	97	97	94	92	89	87	90	92	88	90	93	102	97	88	80	81	92.
	Minimum	65	65	63	59	68	68	52	56	57	62	67	66	65	61	70	62	60	56	60	55	57	46	49	67	55	67	74	67	69	50	45	60.
Elkins	Maximum	71	79	78	80	78	80	84	88	95	96	90	91	88	93	87	85	85	81	82	78	79	80	86	79	83	82	93	84	80	69	74	83.
	Minimum	65	65	63	60	59	57	52	57	60	63	68	64	62	62	63	59	54	54	59	58	53	49	48	60	53	69	66	65	57	48	46	58.
Fairmont	Maximum	73	81	85	79	85	86	93	97	102	102	95	101	94	103	97	95	95	85	88	90	89	92	90	85	89	93	101	92	84	80	80	90.
	Minimum	65	63	64	63	63	59	55	60	63	67	71	72	69	68	71	64	58	63	63	57	56	53	56	66	58	65	74	67	70	51	51	62.
Glenville	Maximum	76	81	85	91	88	91	93	99	101	102	100	100	99	100	100	95	95	92	88	87	86	89	90	89	88	87	98	99	93	84	82	91.
	Minimum	65	67	64	62	68	64	64	61	60	66	66	69	68	63	70	65	59	58	62	58	55	48	51	67	57	71	76	68	70	52	47	62.
Grafton	Maximum	71	81	82	79	81	86	86	91	95	98	92	96	90	98	93	89	90	87	86	85	84	85	88	84	87	85	96	84	82	77	77	86.
	Minimum	66	65	62	61	61	57	54	59	61	64	69	68	66	65	67	60	55	59	60	55	56	53	52	66	53	69	73	67	69	50	48	61.
Lost Creek	Maximum	70	81	81	80	84	85	90	96	102	102	101	101	88	101	96	92	94	88	90	86	87	90	90	86	89	87	99	91	84	79	80	89.
	Minimum	65	62	62	60	63	60	51	57	61	63	70	68	65	79	68	61	55	58	59	55	52	47	50	64	53	69	70	65	68	47	44	60.
Mannington	Maximum	71	77	79	78	80	81	83	87	92	93	89	94	90	94	90	86	87	82	82	82	82	83	85	81	84	85	94	83	81	74	74	84.
	Minimum	64	63	61	58	65	55	52	55	59	63	67	69	67	65	69	58	52	58	59	52	51	44	50	69	55	67	72	66	67	49	46	59.
Morgantown	Maximum	89	87	90	89	89	79	90	91	96	96	92	94	91	88	89	88	89	88	87	85	86	87	86	79	84	88	92	90	80	79	78	87.
	Minimum	52	47	54	57	57	57	53	54	54	66	67	62	64	68	66	61	63	64	62	60	54	55	53	62	53	62	63	62	60	47	45	58.
New Cumberland*	Maximum	82	87	86	86	83	86	94	99	103	102	96	100	99	103	97	97	91	94	87	84	85	88	89	81	86	92	92	89	78	86	86	90.
	Minimum	59	54	62	56	64	55	55	55	63	68	56	67	68	67	70	59	53	61	62	50	50	49	49	52	56	54	54	53	65	36	36	56.
New Martinsville	Maximum	74	80	83	80	84	88	90	97	100	101	96	101	97	102	97	97	88	88	80	82	82	82	82	81	83	89	92	91	85	77	80	88.
	Minimum	64	63	64	63	65	58	57	60	62	65	69	71	70	68	71	67	58	64	61	58	55	51	56	66	58	70	76	68	69	53	50	62.
Parkersburg	Maximum	72	81	84	85	83	86	88	95	99	102	100	100	97	103	94	91	92	89	87	84	85	88	89	86	88	93	102	92	82	76	78	89.
	Minimum	66	64	66	66	71	65	58	63	65	68	72	73	72	68	73	71	65	65	66	63	59	54	63	69	63	72	69	69	72	56	52	65.
Parsons	Maximum	71	83	80	82	81	87	90	94	100	99	95	95	90	98	91	90	90	80	88	84	84	87	92	80	84	85	98	88	78	80	80	87.
	Minimum	64	65	64	62	60	56	52	54	60	64	67	65	63	64	65	58	63	55	58	57	52	51	50	58	55	55	55	65	60	50	48	58.
Pickens	Maximum	63	64	64	73	66	79	75	73	90	95	88	91	88	92	89	84	85	78	83	77	77	76	78	74	74	78	87	79	78	67	70	78.
	Minimum	58	55	58	55	59	53	55	52	57	60	60	60	63	57	59	57	65	54	57	53	47	44	44	54	49	64	60	60	58	43	44	55.
Reedsville	Maximum	72	79	80	75	80	85	88	90	96	95	93	93	93	92	90	87	90	88	82	83	83	86	85	72	84	85	93	90	79	72	76	85.
	Minimum	63	59	57	58	60	54	46	50	53	57	58	63	60	58	64	47	56	55	53	50	49	43	44	60	46	64	70	63	63	41	38	54.
Terra Alta	Maximum	..	..	..	..	..	..	..	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	....	....	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	....	..	..	..	..	.....
Wellsburg	Maximum	82	85	87	81	87	90	92	99	102	101	98	102	99	105	95	94	94	95	88	84	87	90	90	83	87	93	94	89	80	78	81	90.
	Minimum	61	54	64	56	64	51	50	53	57	64	64	66	65	63	66	55	48	59	54	50	43	45	52	63	51	55	66	64	66	47	44	56.
Weston	Maximum	75	88	85	88	86	88	85	99	104	100	101	100	103	101	94	92	94	93	88	89	90	90	92	90	90	89	100	98	91	87	..	92.
	Minimum	62	66	64	61	64	62	49	62	63	72	73	70	71	65	70	65	59	60	59	58	55	50	52	65	56	70	71	66	68	50	..	62.
Wheeling(Dam 12)	Maximum	80	82	87	74	85	90	92	96	103	103	97	100	98	103	94	93	93	96	90	85	85	89	83	87	87	93	98	87	84	78	80	90.
	Minimum	63	57	63	62	66	57	56	60	66	69	70	75	71	69	70	62	56	65	62	54	52	63	59	65	56	59	71	66	60	52	51	62.
Southern Division																																	
Beckley	Maximum	74	77	74	89	82	83	86	91	94	96	91	92	90	92	94	93	88	87	84	77	80	83	85	82	81	86	91	87	84	73	69	85.
	Minimum	62	65	64	61	66	60	57	61	59	64	63	64	64	63	69	66	67	61	63	60	52	47	51	65	57	62	64	66	61	56	45	60.
Bluefield	Maximum	83	80	72	..	..	85	82	87	91	93	92	....	90	89	90	84	85	87	..	87	79	79	84	83	77	..	89	87	89	76	69	84.
	Minimum	61	64	62	..	..	58	61	64	63	64	62	....	63	64	66	64	66	63	..	62	54	50	54	66	63	..	68	66	63	54	50	61.
Charleston	Maximum	79	81	82	92	88	88	89	95	100	102	101	100	98	100	100	97	96	94	90	87	87	90	91	90	89	94	100	99	87	86	80	92.
	Minimum	69	70	68	65	71	68	65	65	65	71	68	71	72	69	73	71	71	64	68	61	61	54	58	70	64	74	79	71	69	58	52	66.
Gary *	Maximum	86	80	76	90	82	82	89	90	96	98	92	95	94	93	94	87	89	90	86	79	82	85	87	83	81	90	94	94	85	76	76	87.
	Minimum	64	67	66	66	63	63	63	61	62	66	65	65	71	66	68	68	70	67	68	65	58	51	53	62	66	66	68	68	67	58	53	64.
Hinton *	Maximum	85	82	88	93	85	94	94	98	105	104	100	97	98	102	101	94	97	95	93	87	89	90	97	90	88	97	102	99	89	82	80	93.
	Minimum	65	66	65	64	63	60	61	59	61	65	65	66	65	66	67	71	67	59	63	63	55	49	52	57	59	63	69	66	64	55	50	61.
Huntington	Maximum	78	78	85	92	90	89	91	96	99	104	101	102	100	104	104	96	98	92	95	91	88	92	90	94	92	97	103	100	89	84	83	93.
	Minimum	70	68	69	65	78	67	62	63	66	72	71	73	75	68	77	71	72	68	68	64	63	54	61	73	66	75	78	74	71	58	53	68.
Madison	Maximum	..	..	..	..	..	..	..	..	....	....	....	....	....	....	....	....	..	....	..	..	..	..	..	..	....	....	....	....	....	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	....	....	....	....	....	....	....	....	..	....	..	..	..	..	..	..	....	....	....	....	....	..	..	.....
Point Pleasant	Maximum	75	83	85	91	89	90	93	98	103	104	102	102	101	104	100	96	97	94	92	90	88	92	92	88	94	97	104	101	90	84	83	93.
	Minimum	66	66	65	63	72	67	56	60	60	68	68	69	72	65	72	69	65	65	63	58	54	52	57	69	60	74	78	68	68	55	50	64.
Rainelle	Maximum	77	74	75	87	81	84	86	89	96	96	91	92	92	91	92	89	88	86	85	80	80	83	87	81	80	88	92	91	81	73	73	85.
	Minimum	60	63	61	58	58	60	52	52	52	57	61	60	58	59	65	65	64	51	60	57	47	40	45	63	52	63	64	61	61	49	42	56.
Ravenswood	Maximum	93	83	84	92	91	92	94	96	101	105	103	106	106	103	109	101	99	101	96	95	85	90	90	95	91	97	104	105	106	89	83	95.
	Minimum	67	65	66	63	73	78	55	59	61	66	68	68	68	68	72	68	63	64	62	56	56	49	57	68	58	75	80	69	67	52	49	64.
Richwood	Maximum	78	77	84	92	94	90	92	92	97	99	94	101	96	99	97	95	91	93	92	93	84	85	91	95	97	90	94	96	92	86	87	91.
	Minimum	62	66	62	60	62	56	54	55	57	63	65	63	62	63	64	76	80	84	58	59	50	44	47	64	54	64	67	66	64	52	43	60.
Robertsburg*	Maximum	83	82	86	92	87	92	95	95	100	104	100	101	97	102	101	96	98	90	94	92	88	95	92	92	96	99	102	95	88	84	88	93.
	Minimum	67	66	66	63	66	68	57	60	61	70	68	68	71	60	75	69	68	68	62	58	61	50	57	70	60	70	74	69	69	54	50	64.
Ryan	Maximum	72	77	85	90	85	85	85	93	95	98	95	97	97	97	97	95	95	85	95	85	85	85	90	90	90	94	100	90	85	80	80	89.
	Minimum	65	65	64	59	67	68	54	58	59	66	65	66	67	62	69	67	65	57	60	58	57	47	50	68	55	73	75	67	67	57	45	62.
Spencer *	Maximum	75	81	83	80	89	88	90	96	100	102	99	101	96	103	97	94	96	90	94	87	85	82	90	90	92	96	103	93	86	78	80	90.
	Minimum	65	67	65	62	72	69	55	59	60	67	67	69	68	64	71	67	66	61	62	57	59	59	67	65	58	64	79	70	69	52	47	63.
Sutton	Maximum	96	77	81	85	86	86	88	92	98	102	102	99	99	99	99	95	93	93	91	91	85	89	89	88	88	87	101	101	88	80	76	91.
	Minimum	65	67	63	61	62	64	56	60	63	67	67	68	65	64	69	67	65	57	63	58	54	50	52	68	56	58	67	68	68	53	49	61.
Union	Maximum	95	82	79	86	..	88	85	90	94	98	98	....	93	96	94	96	89	92	..	88	81	84	87	90	86	....	92	95	93	84	78	89.
	Minimum	63	65	63	60	..	60	60	56	59	61	64	....	61	62	68	70	68	55	..	60	53	46	48	63	56	....	65	65	62	53	50	59.
White Sulphur Spgs.	Maximum	81	80	76	89	86	86	85	92	99	100	95	95	92	93	96	89	91	90	89	81	79	86	90	84	84	89	97	95	93	75	75	88.
	Minimum	63	62	60	60	62	57	53	56	58	60	63	61	62	65	67	65	53	64	61	53	54	46	67	53	67	70	61	64	52	48	48	59.
Williamson*	Maximum	85	81	77	91	83	87	90	95	101	102	95	98	100	101	101	91	95	94	89	84	84	88	92	87	83	92	96	98	89	80	80	90.
	Minimum	67	70	68	68	67	63	67	63	65	71	67	73	72	67	72	69	71	69	69	68	61	51	56	66	68	69	70	69	71	61	52	66.

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO. Cleveland. 8-25-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIV   Parkersburg, W. Va., August 1936   No. 8

GENERAL SUMMARY

The month was decidedly warm, being the warmest August since 1918, and the fourth warmest of August State record. The month was characterized by nearly continuously warm weather, the temperature being below normal on only four or five days, two short periods. Temperature readings of 100° or above occurred at a number of stations from the 19th to the 23d. Moderately cool weather for the season prevailed on the first and last few days of the month, with the lowest readings occurring generally on the 1st. This was the fourth consecutive warm month. The rainfall averaged slightly below normal with the greatest monthly amounts in the central and mountain counties, and the least in the western districts. On account of the warm, dry weather, the month was generally unfavorable for growth and farm work. Early planted corn was being cut with fair to good yield. Potatoes were mostly good in the mountain sections, but elsewhere the crop was generally short, many fields were a complete failure. Pastures and meadows were short in most districts.

TEMPERATURE

The average temperature for the northeastern panhandle division was 74.2°, or 3.6° above normal; for the northern division, 74.6°, or 3.2° above normal; for the southern division, 76.6°, or 4.3° above normal; and for the State, 75.2°, or 3.5° above normal. The highest monthly mean temperature was 80.0° at Huntington, and the lowest, 64.5° at Pickens. The highest temperature was 105° at Bancroft on the 22d, Cairo, 11th, and Huntington and Ravenswood, 21st, and the lowest was 36° at Bayard on the 1st, making the monthly range for the State 69°. The greatest daily range was 49° at Cairo on the 27th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 3.50 inches, or 0.24 inch below normal; for the northern division, 4.29 inches, or 0.09 inch above normal; for the southern division, 3.65 inches, or 0.40 inch below normal; and for the State, 3.96 inches, or 0.12 inch below normal. The greater portion of the precipitation was received on the 5-7th, 11th, 14-16th, and from the 24th to the 29th, the greatest amounts being recorded on the 5th, 16th, 19th, and 26th. The greatest monthly precipitation was 7.44 inches at Janelew, and the least, 1.49 inches at Cairo. The greatest amount in any 24 consecutive hours was 3.25 inches at Horner on the 19th. The average number of days with .01 inch or more of precipitation was 11.

LIGHT HAIL

Light hail fell in sections of the following counties on dates given: Hancock, 19th; Marion, 16th.

HEAVY HAIL

Heavy hail fell near Martinsburg, Berkeley County on the 27th; the stones were about the size of a small marble and caused some damage to crops.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 1; 3d, 1; 7th, 4; 8th, 3; 9th, 2; 11th, 1; 12th, 5; 13th, 3; 14th, 1; 17th, 3; 18th, 5; 22d, 1; 23d, 1; 24th, 1; 25th, 2; 26th, 2; 27th, 4; 28th, 1; 31st, 2.

Thunderstorms: 4th, 2; 5th, 2; 6th, 5; 7th, 2; 10th, 3; 11th, 6; 12th, 2; 13th, 1; 14th, 4; 15th, 4; 16th, 8; 19th, 17; 20th, 6; 21st, 4; 22d, 4; 24th, 14; 25th, 6; 26th, 10; 27th, 2; 28th, 3; 29th, 10; 30th, 3.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio .	30.00	30.30	1	29.76	28	6.2	28	sw.	4	76	50	54	75
Columbus, Ohio..	30.00	30.32	1	29.78	28	7.7	43	nw.	25	74	49	54	65
Elkins	30.05	30.40	1	29.83	10	4.4	25	nw.	25	90	57	75	63
Parkersburg	30.04	30.38	1	29.83	10	5.2	27	nw.	19	78	54	63	57
Pittsburgh, Pa ...	30.00	30.36	1	29.76	10	9.0	43	nw.	19	81	53	66	80
Wytheville, Va...	30.02	30.33	1	29.82	10	5.5	21	nw.	14	83	55	72	52

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891........	69.8	......	......	3.48	6.10	4.73	5.48	......	......	......	......	......
1892........	72.1	96	41	1.65	2.73	2.71	2.55	......	7	......	......	......
1893........	70.8	98	41	3.43	3.17	3.84	3.38	......	......	......	......	......
1894........	71.5	103	38	1.35	2.28	1.88	2.07	......	6	14	12	5
1895........	73.3	104	40	2.84	2.45	3.97	3.01	......	8	15	11	5
1896........	72.6	97	40	1.85	2.54	3.22	2.82	......	7	15	12	4
1897........	70.9	100	42	2.33	3.24	2.86	2.91	......	9	13	14	4
1898........	73.7	96	44	7.40	7.63	6.86	7.51	......	12	12	12	7
1899........	73.5	100	34	3.04	2.17	2.70	2.64	......	6	15	11	5
1900........	76.0	100	45	1.48	3.38	3.37	3.15	......	8	17	10	4
1901........	73.6	98	43	6.57	4.40	5.41	5.14	......	12	10	13	8
1902.......	70.4	98	35	2.31	2.82	1.97	2.40	......	7	15	13	3
1903........	71.4	105	38	3.67	2.61	2.34	2.64	......	8	12	13	6
1904........	70.7	95	32	1.98	2.60	3.52	2.88	......	9	15	10	6
1905........	71.3	96	40	4.70	4.28	4.08	4.25	......	9	14	11	6
1906........	75.4	98	47	7.19	4.92	4.77	5.15	......	13	10	13	8
1907........	69.4	93	41	3.51	4.24	5.40	4.64	......	11	13	10	8
1908........	70.9	101	37	3.50	2.62	2.74	2.82	......	7	15	10	6
1909........	70.8	99	37	2.77	3.79	2.43	3.03	......	6	16	10	5
1910.......	70.8	98	39	1.60	1.99	2.09	2.03	......	5	17	10	4
1911........	73.5	105	40	8.50	7.40	5.67	6.71	......	12	13	10	8
1912........	69.3	95	35	2.20	3.57	4.35	3.64	......	11	10	13	8
1913........	72.7	102	37	3.09	2.86	3.42	3.18	......	6	19	7	5
1914........	71.8	100	40	3.84	5.29	4.68	4.86	......	10	15	9	7
1915........	69.4	99	36	6.99	5.24	8.65	4.84	......	14	10	11	10
1916........	72.9	104	40	2.35	4.73	5.67	4.76	......	10	14	9	8
1917........	71.6	102	39	4.06	4.15	2.76	3.53	......	8	17	8	6
1918........	76.0	110	43	3.83	4.19	3.82	3.96	......	9	17	8	6
1919........	70.2	100	40	2.64	5.43	4.28	4.54	......	11	16	9	6
1920........	71.1	95	42	5.98	4.19	3.86	4.27	......	14	9	10	12
1921........	69.7	98	37	4.39	5.55	5.01	5.20	......	9	16	8	7
1922........	68.9	98	31	2.82	3.64	4.47	3.87	......	10	14	9	8
1923........	71.0	99	33	3.00	4.66	4.60	4.39	......	10	15	8	8
1924........	71.7	104	34	2.65	4.77	5.21	4.63	......	9	18	8	5
1925........	70.7	100	33	2.56	1.89	1.58	1.86	......	7	18	8	5
1926........	74.0	105	38	7.86	6.91	6.69	6.94	......	13	13	7	11
1927........	67.1	94	34	3.35	4.20	4.89	4.33	......	11	12	9	10
1928........	74.0	103	39	5.70	5.23	5.44	5.36	......	14	11	8	12
1929........	69.1	101	33	1.59	3.66	3.61	3.31	......	7	16	8	7
1930........	70.7	112	30	2.24	1.93	2.93	2.20	......	8	15	8	8
1931........	71.6	102	39	4.91	6.56	6.65	6.38	......	14	11	9	11
1932........	72.1	104	38	2.33	3.55	2.58	3.04	......	6	20	7	4
1933........	71.5	102	38	6.31	5.68	4.55	5.38	......	11	13	10	8
1934........	71.6	99	35	4.08	5.73	5.40	5.37	......	11	14	9	8
1935........	73.2	101	33	4.48	8.02	5.57	6.71	......	12	12	12	7
1936........	75.2	105	36	3.50	4.29	3.65	3.96	......	11	14	10	7
Period.....	71.7	112	30	3.74	4.20	4.05	4.08	......	10	14	10	7

Climatological Data for August 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	68.6	+2.8	94	21	36	1	46	3.53	−0.85	0.90	0.0	7	26	2	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	73.3	+3.4	98	20	45	1	41	1.90	−1.68	0.45	.0	8	22	1	8	n.	Elmer Keister
Circleville	Pendleton	...	4	...	...	...	...	...	...	...	3.88	...	0.78	.0	9	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	...	...	...	...	...	...	...	6.47	+2.48	1.35	.0	11	...	...	..	...	Sherman Harrison
Kearneysville	Jefferson	548	6	75.8	...	100	†23	54	†1	32	5.69	...	1.93	.0	7	15	12	4	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	^{a}78.2	+5.2	^{a}104	23	52	1	^{a}39	5.29	+1.23	2.15	.0	11	24	7	0	w.	Dr. H. S Gardner
McNeill	Hardy	900	40	74.0	+2.5	100	†21	44	†1	48	2.38	−0.61	0.65	.0	9	8	14	9	w.	D M. McNeill
Piedmont	Mineral	1,053	23	74.4	+3.9	96	21	39	31	34	3.06	−0.53	0.80	.0	9	14	10	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	76.3	+3.7	101	21	49	†1	45	2.03	−1.58	0.55	.0	11	7	16	8	...	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	...	...	...	...	...	...	...	2.01	−2.57	0.97	.0	8	...	...	...	...	A. C. Becker
Upper Tract ^{c}	Pendleton	1,230	37	73.6	+3.4	97	22	44	1	43	3.68	+0.44	1.08	.0	9	12	10	6	...	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	15	^{c}73.6	+4.1	^{c}99	23	^{c}36	8	^{f}42	2.10	−1.53	0.40	.0	12	^{c}12	^{c}11	^{c}5	...	Reymann Memorial Farm
Division averages	and extremes	...	...	**74.2**	**+3.6**	**104**	**23**	**36**	**†1**	**48**	**3.50**	**−0.24**	**2.15**	**.0**	**9**	**16**	**9**	**6**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	...	...	...	...	...	...	...	4.96	+0.48	2.19	.0	7	8	16	7	w.	L. Else Bond
Alma (near)	Tyler	800	9	...	...	...	...	...	...	...	5.79	...	2.50	.0	10	14	8	9	...	D. N. Furbee
Alpena	Randolph	2,571	6	68.4	...	92	†21	41	1	42	4.83	...	2.00	.0	13	10	17	4	...	Christian Hertig
Benson	Harrison	1,080	12	74.9	+4.2	99	21	45	1	40	4.08	−0.37	1.38	.0	8	16	11	4	...	R. D. Marts
Bens Run	Tyler	652	34	78.0	+4.4	100	22	54	31	34	3.99	−0.25	0.85	.0	9	22	8	1	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	73.4	+1.2	96	†21	44	†30	40	5.95	+1.68	2.36	.0	13	14	16	1	...	W. B. Worley
Buckhannon	Upshur	1,411	39	73.2	+3.3	94	21	39	31	33	1.86	−2.23	1.10	.0	8	15	13	3	...	H. A. Darnall
Cairo	Ritchie	680	35	76.0	+3.5	105	†11	38	31	49	1.49	−2.38	0.85	.0	4	26	1	4	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	74.5	+2.5	97	21	48	†1	37	3.40	−1.08	0.84	.0	10	14	12	5	nw.	Clarksburg Water Board
Crawford	Lewis	1,107	13	...	...	...	...	...	...	...	4.95	+0.37	1.67	.0	12	16	12	3	sw.	George W. Blair
Creston	Wirt	640	34	75.9	+2.8	101	†21	46	31	41	3.80	−0.06	0.65	.0	15	14	4	13	...	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	...	...	...	...	...	...	...	3.55	−0.51	1.52	.0	10	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	20	...	...	...	...	...	...	...	4.21	+0.84	2.80	.0	8	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Marion	882	15	...	...	...	...	...	...	...	2.77	−1.36	0.67	.0	12	...	...	...	...	Lockmaster
Davis	Tucker	3,093	27	...	...	...	...	...	...	...	6.46	+1.89	2.40	.0	7	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	...	...	...	...	...	...	...	6.02	+2.02	1.62	.0	16	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	35	71.8	+2.7	95	22	48	1	35	3.44	−0.42	1.02	.0	12	8	12	11	se.	U. S. Weather Bureau
Fairmont	Marion	883	30	77.4	+4.7	103	21	49	31	40	2.30	−1.70	0.59	.0	15	16	9	6	w.	J. C. Robinson
Glenville	Gilmer	738	42	76.9	+3.0	101	21	48	31	43	3.57	−0.66	1.33	.0	13	15	4	12	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	75.0	+3.6	96	21	49	31	36	2.66	−1.05	0.66	.0	8	13	3	15	...	W. E. Clayton
Hastings	Wetzel	809	1	79.2	...	104	20	50	31	44	3.98	...	1.80	.0	9	15	8	8	w.	L. G. McIntyre
Horner	Lewis	1,044	13	...	...	...	...	...	...	...	5.77	+0.89	3.25	.0	7	...	...	...	...	Foster R. Hardman
Janelew (near)	Lewis	1,020	13	75.8	+3.7	98	22	48	1	39	7.44	+2.59	2.12	.0	8	17	9	5	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	75.4	+4.7	100	21	45	1	45	4.47	+0.24	2.66	.0	9	12	13	6	w.	Allen Smith
Mannington	Marion	985	33	73.0	+2.8	95	21	46	31	33	3.36	−0.72	1.20	.0	10	13	12	6	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	72.6	+0.6	97	†21	42	1	45	4.68	+0.67	1.60	.0	9	20	5	6	sw.	Bruce Davis
New Cumberland	Hancock	671	38	74.8	+4.0	98	21	41	1	40	5.15	+1.76	2.05	.0	12	12	10	9	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	77.5	+3.8	100	†21	51	31	36	4.69	+0.80	2.98	.0	7	17	9	5	s.	Wm. Ankrom
Parkersburg	Wood	615	49	77.7	+3.8	102	21	54	1	31	2.77	−0.74	1.10	.0	9	11	10	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	74.0	+4.6	98	22	50	†1	40	2.72	−1.33	0.68	.0	7	11	15	5	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	...	...	...	...	...	...	...	2.75	−1.30	0.68	.0	12	18	11	2	...	Robert T. Deem
Philippi	Barbour	1,550	39	...	...	...	...	...	...	...	3.48	−0.76	1.91	.0	10	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	33	64.5	...	89	22	44	31	28	5.01	−0.46	1.10	.0	10	17	8	6	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	71.3	...	98	22	38	1	47	3.27	...	0.87	.0	9	28	3	0	w.	A. O. Goldstrom
Roanoke	Lewis	1,050	13	...	...	...	...	...	...	...	5.79	+1.45	2.73	.0	11	21	3	7	...	Miss Mary A. Conrad
Terra Alta	Preston	2,559	35	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	E. R. Wagner
Thomas	Tucker	2,950	7	...	...	...	...	...	...	...	5.94	...	1.70	.0	11	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	13	75.2	+2.7	97	22	45	†1	43	4.99	+0.83	1.21	.0	12	15	12	4	w.	J. C. Campbell
Vandalia	Lewis	1,120	13	...	...	...	...	...	...	...	4.49	+0.29	2.07	.0	8	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	29	74.4	+4.1	102	22	45	18	44	4.10	+0.54	1.90	.0	7	14	15	2	...	George P. Pfister
West Milford	Harrison	979	11	...	...	...	...	...	...	...	6.05	+1.43	2.15	.0	8	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	77.7	+5.0	102	21	50	1	41	6.65	+2.95	1.83	.0	15	3	24	4	...	A. Henry
Wheeling (Dam 12)	Ohio	659	49	76.1	+3.3	100	†21	51	31	34	3.23	−0.28	1.79	.0	10	15	8	8	sw.	Lockmaster
Woodlands	Marshall	637	9	...	...	...	...	...	...	...	4.47	...	2.64	.0	7	...	...	...	...	R. W. Rist
Division averages	and extremes	...	...	**74.6**	**+3.2**	**105**	**†11**	**38**	**†1**	**49**	**4.29**	**+0.09**	**3.25**	**.0**	**10**	**15**	**10**	**6**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	...	...	...	...	...	...	...	2.32	...	1.10	.0	10	...	...	...	...	H. S. Sutton
Bancroft	Putnam	574	32	78.1	+5.0	105	22	50	31	38	4.15	+0.03	1.86	.0	11	14	3	14	w.	Charles N. Long
Beckley	Raleigh	2,440	33	72.6	+2.7	95	21	47	31	32	3.25	−0.59	0.51	.0	12	10	18	3	...	L. A. Mauck
Bluefield ^{f}	Mercer	2,558	41	73.6	+3.1	94	21	55	1	30	4.93	+1.32	1.39	.0	14	8	11	6	...	Norfolk & Western Ry.
Charleston	Kanawha	600	33	78.6	+3.3	102	21	52	31	34	3.30	−1.17	0.76	.0	13	12	12	7	...	S. E. Damron
Clay	Clay	706	20	...	...	...	...	...	...	...	5.00	+0.51	0.95	.0	16	...	...	..	...	S. E. Woofter
Dam 19 O. R.	Wood	600	20	...	...	...	...	...	...	...	2.03	−1.63	0.72	.0	10	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	20	...	...	...	...	...	...	...	2.21	−1.58	0.40	.0	10	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	9	...	...	...	...	...	...	...	3.37	...	0.88	.0	13	...	...	...	...	Lockmaster
Dam 26 O. R.	Mason	564	20	...	...	...	...	...	...	...	3.41	+0.25	1.44	.0	10	...	...	...	...	U. S. Engineers Office
Gary	McDowell	1,426	20	75.3	+3.3	98	21	49	31	32	4.16	+0.05	0.81	.0	17	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	77.2	+3.9	101	22	50	31	40	3.62	+0.54	1.02	.0	11	23	3	5	...	Mrs. M. L. McClung
Huntington	Cabell	538	39	80.0	+5.2	105	21	54	31	36	5.16	+1.46	1.61	.0	12	7	17	7	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	...	...	...	...	...	...	...	2.83	−2 06	1.16	.0	10	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	20	...	...	...	...	...	...	...	5.79	+0.96	1.38	.0	16	...	...	...	...	Cabin Creek. Con Coal Co
Logan	Logan	700	33	...	...	...	...	...	...	...	3.25	−1.24	1.01	.0	11	...	...	...	...	J. R. Wampler
London	...	623	0	^{c}79.2	...	^{c}103	21	^{c}53	31	^{d}35	2.50	...	0.81	.0	13	^{c}1	^{c}3	^{c}24	se.	Lockmaster
Madison	Boone	675	15	^{b}78.4	+4.0	^{b}103	†21	^{b}52	†30	^{b}36	...	...	...	...	...	...	...	...	...	C. B. Whitlock
Point Pleasant	Mason	595	43	78.2	+3.5	104	21	50	31	39	2.82	−0.39	0.64	.0	12	9	17	5	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	70.4	...	93	22	43	31	37	5.83	...	2.80	.0	16	8	5	18	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	79.4	+6.5	105	21	47	31	39	2.65	−0.70	0.62	.0	12	14	4	13	se.	Lockmaster
Richwood	Nicholas	2,193	6	74.4	...	99	23	47	1	37	3.49	...	1.32	.0	16	9	17	5	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	77.7	+3.8	103	22	52	†1	42	3.08	−0.42	0.59	.0	14	20	0	11	...	M. Frazier
Ryan	Roane	700	33	75.2	+3.5	100	†21	44	31	40	2.05	−2.03	0.68	.0	11	12	11	8	...	Wm E. Ryan
Spencer	Roane	789	32	77.1	+4.8	102	21	49	31	38	3.95	−0.02	0.96	.0	16	12	17	2	...	A. M. McKown
Summersville	Nicholas	1,894	3	...	...	...	...	...	...	...	3.87	...	1.40	.0	8	...	...	...	...	Carl Perry
Sutton	Braxton	850	30	76.7	+3.6	100	†21	49	31	35	4.20	−0.05	1.15	.0	10	21	0	10	...	C. B. Eakle
Union ^{e}	Monroe	2,250	32	74.6	+4.4	98	24	47	31	41	3.66	−0.27	1.36	.0	7	12	14	0	...	C. B. King
Wayne	Wayne	598	9	...	...	...	...	...	...	...	3.58	...	1.24	.0	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	26	73.0	+2.7	98	21	44	31	38	2.41	−1.18	1.25	.0	7	25	6	0	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	78.1	+3.3	100	22	53	31	32	5.42	+1.43	0.99	.0	14	14	14	3	nw.	J. E. Dotson
Division averages	and extremes	...	...	**76.6**	**+4.3**	**105**	**†21**	**43**	**31**	**42**	**3.65**	**−0.40**	**2.80**	**.0**	**12**	**12**	**10**	**9**	**sw.**	
State averages and	extremes	...	...	**75.2**	**+3.5**	**105**	**†11**	**36**	**†1**	**49**	**3.96**	**−0.12**	**3.25**	**.0**	**11**	**14**	**10**	**7**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for August 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac					.60	.90	.25												.55							.45			.75		.03	3.53
Brandywiue	do					T.	.30					.45			.25					T.		.15					.45		.05	.20		.05	1.90
Circleville ||||	do						.29	.57				.50	T.				T.				.24				.72		.78		T.	.27	.37	.14	3.88
Harpers Ferry ||||	do					T.		1.00				.28				.12	1.00				.01		.25	.08			1.00	.76	T.	.62	1.35		6.47
Kearneysville	do						.34									.30	.26			T.			.31	T.		1.02		1.93	T.	1.53			5.69
Martinsburg ||||	do							.30								.50	.22				.30		.52		.10		.48	2.15	.01	.31	.40		5.29
McNeill	do			T.	T.	.65	.52				T.	T.			T.	T.	.10			.46	.26		.03		T.		.15	T	.09	.12		T.	2.38
Piedmont	do						.79									.51				.80		.15	.39				.26	T.	.01	.11	.04		3.06
Romney	do					.05	.40					.03				.05	.01			.34	.03	.25	.55				.21			.11			2.03
Stony River Dam ||||	do						.16	.97									.05								.12	.04	.04			.27	.36		2.01
Upper Tract	do					.16	.55	.31				.63			.47								1.08		.14	.24		T.		.10			3.68
Wardensville ||||	do				.02		.09	.37					.06			.28					.03	.40	.04		.23		.09			.12	.37		2.10
Northern Division																																	
Aberdeen	Monongahela			T.			.87						T.				.10			2.19	.24				.15		.43			.98			4.96
Alma (near)	Ohio						.40				.15			.69			2.50			.02	.51				.44	.12	.13			.83			5.79
Alpena	Monongahela					2.00	.85	.33								.01	.13			12	.08		.30		.12		.43		.01	.40		.05	4.83
Benson	do					.18	.60										1.38			.35	.22				.35		.55			.45			4.08
Bens Run	Ohio					.12	.50										.02		T.	.71					.27	.70	.68	.14		.85			3.99
Brownsville	Monongahela			.01			.54	.02			.01	.69	.01	.35			.35			2.36	.14						.30			.51		.66	5.95
Buckhannon	do			T.			.05	.06				.02								.11	.03				.06		.43			1.10			1.86
Cairo	Litl.Kanawha	.47	.05				.12																					.85					1.49
Clarksburg ||||	Monongahela					.03	.08	.50									.50			.70	.84				.15		.22			.28	.10		3.40
Crawford	do			.06			.22	.31			T.	.09		.15			.15			1.51	.16				1.16		.62	.02		.50			4.95
Creston ||||	Litl.Kanawha					.15		.47				.65	.05		.07	.09	.22	.47		.24	.27				.09		.33	.10		.35	.25		3.80
Dam 10, Mon. R. ||||	Monongahela				.04	.07	.47	.82													.09		.04		.11		.39			1.11	.41		3.55
Dam 13, O. R. ||||	Ohio					.05	.38	.16													.06				.20		.43			2.80	.13		4.21
Dam 15, Mon. R. ||||	Monongahela				.06		.56	.67									.03	.07		T.	.18		.30		.09		.27	.01		.19	.34		2.77
Davis ||||	do						2.40					.30					.20				1.41			.83			.87			.45			6.46
Elizabeth (D'm 3 LK)	Litl.Kanawha					.25	.01	.44		.03		.18			1.23	.02	1.62	.17		.35	.45				.02		.55	.01		.06	.63		6.02
Elkins***	Monongahela			.04		.16	1.02					.38			T.		.05			.39					.27	.27	.40		.04	.34	.08		3.44
Fairmont ||||	do			T.	.02	.35	.59							.03		.06	.11		.03	.07	.02	.29		.08		.18	.02		.16	.29	T.		2.30
Glenville ||||	Litl.Kanawha				.03		.10	.30				.15	.12				.42	.20		.48	.85			.37			.18	.06		.31		T.	3.57
Grafton	Monongahela					.35	.66									.05				.25	.20				.20	.45				.50			2.66
Hastings	Ohio			.03		.02	1.10										.38			.23	.12				.08		.22			1.80			3.98
Horner	Monongahela						.81						.15		.10			.25		3.25				.75				.46					5.77
Janelew (near)	do						.85						1.78			.28				2.12	.28				.17		1.06			.90			7.44
Lost Creek	do			.09			.54					.20					.42			2.66	.06				.18		.02			.30	T.		4.47
Mannington	do					.02	.89										.40			.09	.04				.53	.05	.13	.01		1.20			3.36
Morgantown	do			.55	T.	.22	1.45										.08								.30	T.	.30	T.	.10	1.60	.08		4.68
New Cumberland	Ohio				.25	.22	.10				.01						2.05			.43		.14		.03		.56	.26			.98	.12		5.15
New Martinsville	do					.08	1.00							.08							.25				.08		.22			2.98			4.69
Parkersburg***	do			T.	.15		.83		T.					1.10	.01	T.	.09		T.	.17					T.	.03	T.	.01		.38	T.		2.77
Parsons	Monongahela			T.		T.	.68					.01				.28	.40								.50	.25			.60				2.72
Parsons No. 2	do			.03		T.	.68					.09					.30			.08	.40				.40		.26	.02	.10	.38	.01		2.75
Philippi ||||	do						.09	.74					.35				.09			.16	.42				.03		.44			.25	.91		3.48
Pickens	do			.08			.70					.95					.16			.72	.20				1.10		.32			.67	.11		5.01
Reedsville	do				.47	.40	.75										.27			.32				.07		.42			.47			.10	3.27
Roanoke	do						.33	.32					.06		.65		.12			2.73					.33	.27	.01			.90		.07	5.79
Saint Marys ||||	Ohio					.12	.18	.20							.01		.54	.02		.02	.07				.12		.55			.20	.30		2.33
Terra Alta	Monongahela																																
Thomas ||||	do						1.70	1.30				.07					.45	.24			.53			.36	.39		.10			.31	.49		5.94
Valley Chapel	do					.03	.55	.07				.62	.01				.70			1.21	.18				.53		.54	.05		.50			4.99
Vandalia	do						.50						.17				.11			2.07	.21			.40			.23			.80			4.49
Wellsburg	Ohio				T.		.38					T.			T.		T.			.12					.10	1.80	.15	T.		1.32		.23	4.10
West Milford	Monongahela						1.10					.60	.25				.90			2.15	.50				.15					.40			6.05
Weston ||||	do				.06	.03	.35	.66	T.			T.	.92		.33	T.	.28	.13		.54	1.83				.52	.18	.14	T.		.23	.45		6.65
Wheeling (Dam 12) ||||	Ohio				.01	.05	.18	.01			T.										.10		.07		.14		.68			1.79	.20		3.23
Woodlands ||||	do				.12	.22	.25	.50				T.									.09				T.		.65			2.64			4.47
Southern Division																																	
Arbovale ||||	Gr. Kanawha					T.	.15					T.				.08	.03			.23			.29		1.10		.08		.06	.25	.05		2.32
Bancroft	do				.04		.43	.46				.20			.05	.10	.30			.16					.15	1.86	.40						4.15
Beckley	do			.26			.06	.03			.20	T.		.09		.26	.40		T.			.12			.39	T.	.46	.47		.51			3.25
Bluefield	do			.03	.13		.13	.06			.07	1.39	.34					.39				.42			.58		.01	.06	1.30	.02			4.93
Camden-on-Gauley ||||	Gauley				.22		.24	.25					.29		.10	.04		.22			.84			.21	1.26	.06	.30		.30	.25	.18	.04	4.70
Charleston	Gr. Kanawha			.28	.03		.76	.02				.21	.04		.04		.48							.11	.56		.29		.46	.02			3.30
Clay ||||	do				.06		.04	.25				.95	.57		.40	.03		.27		.13	.49		.06		.49	.50	.65		.05	.06			5.00
Dam 6 G. K. ||||	do						.57	.05			.04	.30	.41		.13	.02		.35		.02	.09			.34		.05	.25	.05	.12	.02	.19		3.00
Dam 19 O. R. ||||	Ohio					.17	.06	.72							T.		.24	.10		T.	.17				T.		.05	.01	T.	.05	.46	T.	2.03
Dam 20 O. R. ||||	do					.28	T.	.32							T.	.02	.08	.12		T.	.25			T.			.30	.04	T.	.40	.40		2.21
Dam 25 O. R. ||||	do						.02	.88		.05					.70	.20		.17		.10	.50			.03	.06	.55		.03		.08			3.37
Dam 26 O. R. ||||	do						.03	.67										.12			.23			.43	.04	.33	1.44		.02		.10		3.41
Gary ||||	Big Sandy				.20		.01	.57			.16	.10	.11	.01	.77		.01	.81	.01						.42		.40	.03	.42	.02	.11		4.16
Hinton ||||	do						.12	T.	.64		T.		T.		.28			.56					.05		.30	.08	.24	T.	1.02	.05	.28		3.62
Huntington	Ohio			.10			.65	T.			.20			.10	.34	.09	.13			.04					1.61		1.06	.71		.13			5.16
Kanawha Falls ||||	Gr. Kanawha				T.		T.	.03			T.	.01	.01		T.			.14		T.	.09				.36	.02	1.16		.65		.36		2.83
Kayford ||||	do				.56		.01	.53		.99		.09	.01		.05		.04	.48						.52	.05		1.38	.04	.48	.03	.53		5.79
Logan ||||	Guyandotte				.28		.03	.01		T.	T.	.51			.02	.28		T.					T.			.11	1.01	.04	.92	T.	.04		3.25
London	Gr. Kanawha						.03	.06				.01	.10		.01	.02		.19			.14				.38	.06	.41		.21		.88		2.50
Madison	do																																
Point Pleasant ||||	Ohio				T.	T.	.04	.60							.24	.16	.04	.14		.10	.26					.60	.50		.04	T.	.10		2.82
Rainelle	Meadow Creek			.14	T.		.12	.04	.03		T.	.14		2.80	.03	.01	.55	T		.06		.01			.62	.01	.18		.49	.60			5.83
Ravenswood (Dam 22	Ohio ||||					.10		.55		T.		.20				.05		.26			.02			.40		.62	.15	.15	.03		.12		2.65
Richwood	Gr. Kanawha			.14	.01		.18				.03	.10			.04		.11			.33	.02		.02		1.32		.17	.27	.04	.70	.01		3.49
Robertsburg ||||	do						.23	.59				.35			.47	.19	T.	.12		.02	.13				.02	.34	.35		.06	.07	.14		3.08
Ryan	do						.40				.01			.17		.03	.12			.14					.15	.05	.68	.10		.20			2.05
Sharples ||||	Coal River			T.				T.				.30			.15			.57							T		.56	T	.47				2.05
Spencer ||||	Gr. Kanawha				.06	.04	.02	.44		.09		.03			.96	.03		.35		T.	.21					.12	.23	.25	.02	.47	.63		3.95
Summersville ||||	do							.26				.45			.38	.03		.15			.70				.50				1.40				3.87
Sutton	Gauley						.35	.40					.10		.15		.35			1.15					.70		.50	.10			.40		4.20
Thornwood ||||	Gr. Kanawha					.20	.31									.11								.12			.15			.44			1.33
Union	do							.10					.25			.22									.96		.47		1.36			.30	3.66
Wayne ||||	Big Sandy						.76	.24								.32		.10								.11	.61	.18	1.24		.02		3.58
White Sulpr. Spgs. ||||	Gr. Kanawha					.08					1.25	.15					.08									.10		.65	.10				2.41
Williamson ||||	Big Sandy				.13		.06	.06				.99	.88		.15	.56		.46							.43		.60	.20	.37	.15	.38		5.42

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.167	.220	.146	.122	.186	.080	.166	.167	.199	.179	.143	.135	.199	.145	.167	.292	.079	.267	.182	.149	.135	.178	.189	.224	.102	.212	.088	.123	.147	.057	.145	4.990
	Wind movement	31	17	7	10	28	15	36	13	24	6	13	20	12	12	41	62	31	38	22	31	4	4	19	24	20	30	21	16	26	64	59	756

Daily Temperatures for August 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	78	86	85	86	83	72	78	78	84	86	80	87	87	88	85	80	84	81	86	91	94	93	90	85	86	90	85	79	76	69	70	83.
	Minimum	36	40	52	64	58	59	53	48	48	48	56	52	50	53	64	68	62	40	50	56	55	58	58	65	62	56	56	60	50	50	44	53.
Brandywine	Maximum	84	88	92	94	86	82	80	82	87	90	80	90	91	92	91	85	90	89	85	98	93	92	97	91	96	92	85	80	75	72	80	87.
	Minimum	45	47	60	63	58	62	64	55	53	54	59	60	59	58	68	67	65	48	60	62	64	63	62	65	60	62	61	65	66	53	47	59.
Kearneysville	Maximum	85	88	92	94	87	78	81	82	83	88	81	87	93	93	93	91	90	83	82	91	96	93	100	92	100	85	79	72	84	78	78	87.
	Minimum	54	56	62	74	68	67	65	57	54	58	63	63	65	64	70	72	69	54	65	68	68	69	68	71	68	65	67	65	68	62	57	64.4
Martinsburg*	Maximum	86	93	98	95	89	80	84	88	88	90	85	90	95	95	95	92	92	97	88	99	95	95	104	95	103	88	90	74	88	80	..	91.6
	Minimum	52	54	65	75	70	69	65	61	59	65	64	65	65	65	70	72	70	68	65	65	68	68	68	70	68	66	68	65	66	62	53	65.4
McNeill	Maximum	84	92	92	93	90	81	83	83	90	90	80	90	95	94	94	88	90	88	87	90	100	95	100	93	97	88	90	79	88	75	72	88.7
	Minimum	44	44	60	64	61	64	63	52	51	54	60	60	60	60	69	69	61	47	58	61	64	64	62	69	61	61	60	68	67	57	47	59.4
Piedmont	Maximum	76	88	88	91	87	74	80	83	87	82	80	88	93	87	87	88	87	84	86	94	96	94	95	88	95	85	85	72	78	75	73	85.4
	Minimum	58	60	68	67	64	68	63	64	64	65	66	64	68	69	70	70	55	52	61	65	66	67	66	66	66	64	65	66	65	54	39	63.4
Romney	Maximum	85	94	92	94	85	77	83	84	89	93	88	91	95	97	95	91	92	89	85	96	101	95	99	95	99	91	86	82	85	78	78	89.8
	Minimum	49	49	61	70	65	67	64	59	56	56	64	62	62	62	71	75	67	50	60	65	68	67	65	70	68	64	64	68	65	61	52	62.8
Upper Tract	Maximum	83	92	90	92	88	83	78	81	88	89	80	89	91	90	92	..	..	89	85	93	94	97	93	90	90	89	82	82	82	..	77	87.5
	Minimum	44	49	63	63	60	64	65	57	53	54	56	60	61	60	70	..	..	50	60	61	62	62	62	66	60	61	67	66	65	..	48	59.6
Wardensville	Maximum	..	90	89	91	90	73	80	..	85	89	73	87	93	94	..	94	90	89	87	93	98	94	99	90	96	85	84	74	83	73	74	87.0
	Minimum	47	..	47	64	63	66	64	35	..	53	62	62	61	61	70	..	64	49	61	64	66	62	63	68	62	63	64	67	67	57	49	60.1
Northern Division																																	
Alpena	Maximum	78	85	83	85	83	68	77	78	83	83	81	86	87	82	85	77	82	81	83	87	92	92	90	87	89	81	84	84	76	64	62	81.8
	Minimum	41	43	54	61	55	60	58	50	50	52	51	50	53	53	63	61	61	46	54	56	59	59	60	62	60	59	57	63	59	51	48	55.1
Bens Run	Maximum	90	95	93	96	92	79	86	87	94	93	92	96	96	85	92	82	90	89	88	95	96	100	98	93	94	96	90	90	83	69	78	90.2
	Minimum	56	61	70	70	69	68	60	65	66	62	66	64	66	69	71	71	69	60	68	67	69	72	72	70	69	67	69	62	64	57	54	65.9
Buckhannon	Maximum	82	84	84	88	90	89	83	84	86	86	86	85	89	86	89	84	85	85	82	89	94	92	89	84	89	85	87	86	81	72	72	85.4
	Minimum	49	53	64	65	65	70	62	60	58	61	63	56	59	61	68	70	66	52	62	64	65	67	65	68	63	66	63	61	66	43	39	61.1
Cairo	Maximum	74	80	81	84	86	86	89	95	103	104	105	105	102	105	102	97	99	99	98	90	92	92	94	92	98	99	105	96	92	80	83	93.
	Minimum	66	66	63	60	72	59	51	57	58	62	64	66	64	68	68	55	58	60	55	52	52	47	58	48	66	64	56	58	49	45	38	58.2
Clarksburg *	Maximum	85	90	88	92	87	73	82	85	91	91	86	91	93	93	92	80	86	87	83	91	97	95	93	87	91	82	89	88	73	70	74	86.
	Minimum	48	54	64	66	68	69	62	59	60	61	60	57	59	62	68	69	67	52	61	65	64	68	67	70	66	67	67	67	67	53	48	62.4
Creston	Maximum	88	89	91	95	93	85	86	91	90	93	90	93	95	87	93	89	88	89	87	95	101	101	96	93	95	88	79	89	87	77	78	90.0
	Minimum	47	53	63	62	65	69	61	59	58	60	59	58	56	62	67	70	70	54	62	66	65	67	65	70	64	67	67	64	63	56	46	61.8
Elkins	Maximum	81	85	84	87	85	71	81	81	87	87	81	86	88	84	87	79	84	86	83	89	94	95	88	81	89	80	84	86	77	69	69	83.5
	Minimum	48	50	62	67	62	65	61	56	56	58	58	56	59	59	68	68	59	52	59	62	64	65	62	66	64	64	64	63	62	54	50	60.1
Fairmont	Maximum	87	96	92	96	89	73	87	88	92	91	90	94	95	89	95	83	92	89	88	97	103	98	100	97	98	84	90	91	78	71	77	90.0
	Minimum	52	56	67	69	69	70	62	60	62	64	63	62	63	65	72	72	70	55	63	68	68	72	70	71	69	69	68	67	67	53	49	64.7
Glenville	Maximum	92	91	90	94	93	91	88	90	95	92	90	94	95	92	93	91	92	91	88	95	101	100	99	98	97	76	81	89	83	89	86	91.5
	Minimum	49	55	65	65	64	70	63	60	61	61	62	60	61	62	69	71	67	56	64	67	68	69	68	67	66	61	60	59	58	56	48	62.3
Grafton	Maximum	86	89	88	90	87	84	84	86	87	87	87	89	90	88	92	92	88	85	87	92	96	95	93	88	92	81	87	80	80	72	74	87.0
	Minimum	50	54	64	67	67	69	64	59	60	61	64	60	61	64	70	68	66	53	63	66	66	70	67	70	65	65	65	65	67	52	49	62.9
Lost Creek	Maximum	90	92	90	93	90	78	84	90	94	91	90	91	94	90	94	88	90	89	85	95	100	99	95	90	91	84	91	90	85	75	78	89.5
	Minimum	45	52	61	68	65	68	62	58	58	58	57	57	58	60	70	68	66	51	60	64	64	68	65	69	66	66	64	65	68	52	48	61.3
Mannington	Maximum	80	85	83	87	83	82	81	83	84	84	85	86	87	84	89	85	84	83	83	88	95	93	91	88	90	79	85	85	81	71	71	84.4
	Minimum	47	52	65	65	66	68	56	56	60	60	61	59	59	61	68	70	67	50	61	66	64	68	65	68	66	65	65	64	66	51	46	61.5
Morgantown	Maximum	78	80	81	83	70	74	80	87	90	90	89	90	90	90	90	89	91	90	92	93	97	95	96	97	96	94	92	89	88	78	80	87.7
	Minimum	42	50	46	47	52	66	60	60	61	58	58	60	59	58	60	60	58	50	50	54	52	67	67	67	67	67	60	70	65	46	47	57.5
New Cumberland*	Maximum	81	93	91	89	85	79	84	87	90	90	90	90	94	94	95	87	84	84	91	86	98	97	96	92	93	84	84	86	83	78	74	88.0
	Minimum	41	53	65	69	64	64	52	56	58	56	59	58	62	71	69	68	65	52	65	65	65	72	70	62	67	65	62	62	68	51	51	61.5
New Martinsville	Maximum	86	92	90	91	89	85	84	92	91	90	92	95	92	89	90	91	87	86	93	92	100	100	97	96	95	84	89	92	87	73	79	90.0
	Minimum	53	56	69	70	68	67	58	61	63	64	64	63	63	71	71	74	70	55	66	67	67	72	71	70	69	67	68	66	67	54	51	65.0
Parkersburg	Maximum	85	92	90	92	88	73	84	89	92	89	88	92	95	82	91	86	86	87	88	95	102	99	96	90	95	85	90	88	83	73	78	88.5
	Minimum	54	62	71	68	68	67	60	65	68	67	65	63	64	68	72	71	69	61	70	69	71	75	77	73	70	70	71	68	63	58	55	66.9
Parsons	Maximum	81	90	89	90	89	89	85	82	90	89	84	91	90	88	91	85	88	85	91	92	96	98	95	85	92	83	90	89	76	71	73	87.3
	Minimum	50	50	60	65	68	64	62	56	57	60	60	60	60	60	68	68	60	54	60	62	65	66	63	67	65	64	63	64	59	55	50	60.
Pickens	Maximum	70	77	75	67	67	65	65	66	63	64	65	78	77	82	85	80	72	66	78	78	74	89	82	67	64	69	82	84	72	73	62	72.
	Minimum	45	49	57	57	57	58	58	53	56	53	55	54	55	57	64	63	54	48	57	58	59	62	62	61	59	60	59	59	57	53	44	56.
Reedsville	Maximum	85	88	93	88	85	80	82	82	89	86	85	91	90	85	95	89	88	82	87	89	95	98	93	87	90	78	84	84	74	67	69	85.7
	Minimum	38	44	59	63	63	65	58	51	54	53	57	55	52	53	67	68	62	42	57	62	59	60	61	66	62	59	59	60	64	48	43	56.
Terra Alta	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wellsburg	Maximum	85	93	90	92	87	81	86	88	93	92	89	92	95	84	92	88	85	83	93	92	101	102	99	95	90	84	87	90	84	75	76	89.
	Minimum	46	49	62	66	65	64	51	52	59	60	57	56	56	64	68	67	63	45	60	55	60	68	70	66	63	65	62	60	66	54	49	59.
Weston	Maximum	91	94	91	96	93	88	87	92	94	95	90	94	97	90	94	92	90	90	87	97	102	100	100	94	95	87	93	91	85	75	77	91.
	Minimum	50	55	65	66	65	69	64	61	60	62	61	60	61	62	71	71	68	55	64	66	70	70	70	58	67	69	67	66	69	65	51	63.
Wheeling(Dam 12)	Maximum	86	89	90	91	87	76	85	89	90	92	93	89	96	85	91	89	85	85	92	91	100	100	98	93	95	83	87	91	79	69	79	88.5
	Minimum	53	57	69	69	57	57	56	59	63	66	63	63	63	66	73	71	65	55	62	69	66	69	73	69	69	66	66	66	66	58	51	63.7
Southern Division																																	
Beckley	Maximum	75	80	79	82	82	85	80	78	86	83	88	87	89	85	83	85	87	83	91	94	95	94	92	85	89	82	90	87	81	71	72	84.
	Minimum	53	58	63	61	62	65	64	63	60	62	58	60	59	60	66	65	63	54	64	67	63	63	64	61	62	63	61	60	64	51	47	60.
Bluefield	Maximum	77	..	84	84	85	83	78	74	..	83	85	84	86	82	85	..	86	86	83	91	94	90	..	90	87	88	85	89	80	..	..	85.
	Minimum	55	..	62	61	62	65	64	63	..	60	58	60	61	61	66	..	62	57	65	66	64	65	..	64	62	65	61	60	67	..	..	62.
Charleston	Maximum	87	90	86	94	94	91	85	88	92	89	90	91	94	89	93	83	92	91	94	96	102	100	96	89	95	87	95	91	83	78	76	90.
	Minimum	56	68	68	68	68	70	68	68	64	69	62	64	65	67	71	73	68	63	68	72	68	70	70	72	69	69	70	64	69	58	52	66.
Gary *	Maximum	82	86	85	90	88	80	82	81	87	87	89	90	81	80	88	89	89	92	94	94	98	96	91	85	90	88	92	92	83	74	74	87.
	Minimum	53	60	63	66	64	68	69	64	60	67	62	60	63	68	66	67	65	62	63	68	66	65	66	69	65	66	65	60	65	58	49	63.
Hinton *	Maximum	91	91	96	98	93	82	91	82	94	86	89	96	96	89	91	94	94	94	97	98	100	101	97	89	97	90	95	93	87	77	78	91.
	Minimum	51	56	63	65	62	65	67	65	62	63	65	61	62	64	65	66	65	60	62	65	64	65	64	68	66	65	67	60	63	53	50	62.
Huntington	Maximum	88	93	88	95	95	88	87	92	95	93	93	94	95	80	92	90	93	95	99	98	105	104	98	95	95	90	94	92	90	79	84	92.
	Minimum	57	64	69	68	70	71	64	64	67	69	65	64	67	69	72	76	68	63	63	73	70	73	72	77	70	69	71	63	73	56	54	67.
Madison	Maximum	87	92	89	95	95	78	86	..	96	90	93	93	97	88	92	90	93	95	100	100	103	103	88	..	98	90	98	96	86	77	79	92.
	Minimum	60	65	67	67	69	69	65	..	62	63	62	64	66	69	72	65	61	65	68	65	67	67	72	..	67	68	62	70	58	52	52	64.
Point Pleasant	Maximum	91	93	91	95	94	92	88	91	95	92	93	96	93	85	91	89	91	88	95	97	104	103	100	96	94	88	94	91	89	78	81	92.
	Minimum	52	60	65	65	68	70	59	61	64	65	62	60	61	65	59	71	65	59	67	69	67	71	70	71	69	68	70	64	72	53	50	64.
Rainelle	Maximum	78	82	84	88	86	74	82	76	84	81	84	87	85	82	85	84	85	88	89	92	91	93	90	82	88	83	87	83	77	69	70	83.
	Minimum	46	48	55	59	56	62	63	63	57	54	56	58	56	58	64	62	62	51	57	59	56	59	58	62	60	62	61	58	62	48	43	57.
Ravenswood	Maximum	90	89	95	97	96	96	89	91	95	97	96	95	98	98	94	96	91	94	93	99	105	104	101	99	100	96	93	92	93	91	84	95.
	Minimum	52	51	67	65	68	69	62	61	63	65	61	59	60	67	68	70	64	56	66	67	66	74	69	70	69	68	69	65	69	52	47	63.
Richwood	Maximum	84	89	89	90	94	82	84	84	90	89	86	89	92	95	92	90	90	93	92	94	95	96	99	92	92	85	90	88	88	72	72	89.
	Minimum	47	55	59	58	60	64	65	64	60	52	55	58	57	58	67	64	66	56	60	61	60	64	62	66	60	65	62	61	63	53	49	59.
Robertsburg*	Maximum	94	98	86	89	95	74	92	88	97	90	89	96	95	84	92	86	91	90	86	99	101	103	100	94	92	92	94	96	87	76	76	91.
	Minimum	52	60	66	64	67	69	64	62	63	65	61	60	62	63	70	75	65	58	65	70	67	70	68	72	68	67	69	62	68	53	52	64.
Ryan	Maximum	85	95	90	90	95	80	90	85	95	90	80	90	95	90	90	80	90	90	90	95	100	100	95	85	90	95	90	90	80	75	80	89.
	Minimum	50	55	63	63	63	69	63	61	64	59	56	56	58	63	67	70	62	57	54	65	66	65	64	70	63	66	64	62	62	49	44	61.
Spencer*	Maximum	90	92	92	96	94	73	85	92	94	94	91	95	96	87	92	85	90	89	89	96	102	100	97	90	95	85	93	90	78	76	78	90.
	Minimum	52	55	65	66	65	69	63	63	62	64	59	58	60	66	66	77	67	57	60	69	66	71	69	72	68	69	68	65	69	54	49	64.
Sutton	Maximum	78	80	87	95	95	92	82	90	93	93	88	93	95	95	93	93	90	90	89	94	100	100	100	92	88	88	85	90	90	74	74	89.
	Minimum	61	63	63	65	63	64	67	62	60	61	61	60	60	63	70	65	67	55	64	67	65	68	65	70	65	68	66	65	69	55	49	63.
Union	Maximum	84	..	85	89	92	85	83	80	..	88	87	87	92	92	88	..	90	93	90	94	97	94	..	98	92	90	92	86	85	..	81	89.
	Minimum	50	..	55	61	58	63	63	65	..	59	60	58	58	60	65	..	62	52	62	62	62	62	..	62	62	65	63	60	69	..	47	60.
White Sulphur Spgs.	Maximum	79	87	86	89	95	80	82	79	86	86	85	87	91	88	89	84	92	89	86	95	98	97	95	81	91	85	89	80	80	75	76	86.
	Minimum	51	58	64	57	63	69	64	59	56	62	60	59	61	63	61	66	54	57	60	60	62	59	65	62	65	62	63	60	54	45	44	59.
Williamson*	Maximum	86	89	89	92	91	80	84	88	93	89	92	90	92	82	92	90	92	91	97	96	99	100	94	89	94	92	95	93	86	78	79	90.
	Minimum	56	61	66	67	66	69	70	66	67	65	64	62	66	67	69	72	66	65	68	70	67	68	68	72	70	69	67	63	68	59	53	66.

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 9-25-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIV Parkersburg, W. Va., September 1936 No. 9

GENERAL SUMMARY

The month was considerably warmer and much drier than the average September. The daily temperatures, with few exceptions, were continuously above the normal, with the highest readings occurring generally from the 11th to the 16th. This was the fifth consecutive month with the temperatures averaging above the normal. Cool weather for the season prevailed on the 25th and 26th, with freezing temperatures and heavy frosts. The frost damage was confined to the mountain counties. A low reading of 25° was recorded at Bayard on the 25th. While the rainfall averaged much less than the normal, there were a few stations that received amounts in excess of the normal. There were a number of stations that had from 15 to 20 consecutive days without measurable precipitation. On account of the unusually long period of dry weather in sections of the central and western counties, many springs and wells failed, and it was necessary to haul water for domestic use and stock. At the close of the month, corn cutting was progressing rapidly and many fields were in shock, and fall plowing and seeding were general. Pastures improved locally, but were generally short, and in some counties dried up.

TEMPERATURE

The average temperature for the northeastern panhandle division was 67.8°, or 2.8° above normal; for the northern division, 69.1°, or 2.6° above normal; for the southern division, 70.7°, or 3.8° above normal; and for the State, 69.4°, or 2.9° above normal. The highest monthly mean temperature was 74.0° at Huntington, and the lowest, 62.3° at Bayard. The highest temperature was 99° at Bancroft and Point Pleasant on the 14th, and the lowest was 25° at Bayard on the 25th, making the monthly range for the State 74°. The greatest daily range was 57° at McNeill on the 27th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.22 inches, or 1.56 inches below normal; for the northern division, 1.87 inches, or 1.20 inches below normal; for the southern division, 1.98 inches, or 0.79 inch below normal; and for the State, 1.82 inches, or 1.11 inches below normal. The greater portion of the precipitation was received on the 2-3d. 8-9th, 24-25th, and 29-30th, the greatest amounts being recorded on the 4th, 9th, 29th and 30th. The greatest monthly precipitation was 3.96 inches at Wellsburg, and the least, 0.68 inch at Upper Tract and Wardensville. The greatest amount in any 24 consecutive hours was 3.43 inches at Wellsburg on the 29th.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 3; 2d, 1; 3d, 1; 4th, 4; 5th, 4; 6th, 1; 7th, 1; 8th, 1; 9th, 10; 10th, 5; 11th, 10; 12th, 2; 13th, 2; 14th, 1; 15th, 2; 16th, 1; 19th, 4; 20th, 2; 21st, 8; 22d, 3; 23d, 3; 24th, 1; 28th, 1; 29th, 2.

Thunderstorms: 2d, 1; 3d, 2; 8th, 6; 9th, 2; 13th, 2; 14th, 8; 16th, 1; 17th, 1; 23d, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.04	30.34	17	29.75	2	6.5	21	sw.	23	84	56	62	71
Columbus, Ohio	30.04	30.34	17	29.76	24	9.1	29	sw.	27	77	49	61	66
Elkins	30.11	30.36	26	29.77	24	4.2	18	s.	28	92	58	77	60
Parkersburg	30.08	30.34	17	29.76	21	5.6	20	nw.	24	81	50	62	63
Pittsburgh, Pa	30.06	30.30	17	29.71	24	9.4	34	nw.	12	82	54	62	75
Wytheville, Va	30.06	30.32	6	29.74	24	4.6	16	n.	17	86	59	74	53

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches)					Average no. of days			
				Average								
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8	......	......	0.38	2.20	0.84	1.66	......	......	......	......	......
1892	64.4	92	32	2.23	2.82	2.14	2.57	......	6	......	......	......
1893	65.0	91	29	2.49	2.02	2.80	2.28	......	6	......	......	......
1894	67.8	98	31	3.49	2.14	2.93	2.50	......	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	......	4	17	8	5
1896	65.2	95	**22**	5.02	4.62	4.33	4.59	......	7	14	9	7
1897	66.4	103	27	1.45	1.31	0.61	1.14	.....	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	......	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	......	8	14	9	7
1900	**71.1**	100	35	2.38	0.97	2.84	1.92	......	6	14	19	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	......	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	......	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	......	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	......	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	......	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	......	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	......	11	12	10	8
1908	65.9	99	24	1.06	1.15	0.71	0.95	......	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	......	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	......	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	......	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.....	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	......	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	......	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	......	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.....	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	......	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	......	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	......	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	......	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	......	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	5.96	......	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	......	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	......	5	19	7	4
1928	61.3	109	24	3.95	2.05	3.20	2.71	......	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	......	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	......	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	......	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	......	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	......	9	15	8	7
1935	65.0	94	**22**	4.55	3.49	2.52	3.30	......	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	......	6	18	5	7
Period	66.5	107	22	2.78	3.07	2.77	2.93	T.	8	15	8	7

Climatological Data for September 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	62.3	+1.4	90	†15	25	25	54	1.67	−1.64	0.72	0.0	7	20	3	7	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	68.2	+3.5	96	11	28	26	47	1.60	−0.78	1.10	.0	4	20	0	10	n.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	....	1.22	......	0.38	.0	6	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......	....	1.11	−1.55	0.60	.0	6	....	....	....	......	Sherman Harrison
Kearneysville	Jefferson	548	6	68.6	......	93	12	36	26	34	1.68	......	1.13	.0	6	17	9	4	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	[a]70.0	+3.1	[a]95	†8	38	26	[a]40	0.94	−1.98	0.32	.0	7	21	8	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	40	68.2	+2.4	96	23	26	26	57	1.49	−0.79	0.80	.0	4	14	7	9	w.	D. M. McNeill
Piedmont	Mineral	1,053	23	67.7	+2.0	91	†13	35	26	45	1.16	−1.25	0.79	.0	6	20	2	8	se.	C. A. Suter, Jr.
Romney	Hampshire	824	38	70.5	+3.7	96	11	32	26	53	1.68	−1.00	1.11	.0	7	17	5	8	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	....	0.69	−2.09	0.56	.0	3	....	....	....	......	A. C. Becker
Upper Tract[c]	Pendleton	1,230	37	68.0	+2.7	92	†13	30	26	48	0.68	−1.67	0.68	.0	1	19	1	7	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	15	[d]67.0	+2.8	[d]93	13	[d]29	26	[g]51	0.68	−1.91	0.54	.0	4	[d]10	[d]9	[d]7	......	Reymann Memorial Farm
Division averages	and extremes	......	....	**67.8**	**+2.8**	**96**	**†11**	**25**	**25**	**57**	**1.22**	**−1.56**	**1.13**	**.0**	**5**	**18**	**5**	**7**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	....	2.75	−0.56	1.61	.0	5	13	9	8	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	....	1.29	......	0.33	.0	9	16	6	8	......	D. N. Furbee
Alpena	Randolph	2,571	6	62.8	......	90	†13	30	26	47	3.02	......	0.65	.0	6	17	7	6	w.	Christian Hertig
Benson	Harrison	1,080	12	69.0	+2.1	95	13	37	26	45	2.02	−1.61	1.02	.0	6	19	4	7	......	R. D. Marts
Bens Run	Tyler	652	34	72.4	+4.0	97	14	47	26	34	1.25	−1.34	0.38	.0	8	20	5	5	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	66.8	......	93	†13	32	25	55	1.75	−2.00	0.98	.0	6	23	4	3	......	W. B. Worley
Buckhannon	Upshur	1,411	39	67.6	+3.1	88	16	38	26	38	1.89	−1.07	0.62	.0	7	19	5	6	......	H. A. Darnall
Cairo	Ritchie	680	35	70.3	+2.2	94	†15	37	25	45	3.08	+0.23	0.72	.0	8	19	2	9	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	68.2	+0.7	94	13	37	26	43	0.80	−2.80	0.53	.0	7	12	11	7	ne.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	....	1.86	−1.88	1.00	.0	6	19	7	4	sw.	George W. Blair
Creston	Wirt	640	34	70.5	+2.7	98	14	38	25	45	1.28	−1.41	0.65	.0	3	19	0	11	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	....	1.38	−2.14	0.35	.0	9	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	....	0.77	−2.21	0.22	.0	6	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	15	......	......	......	......	......	......	....	1.11	−2.08	0.48	.0	8	....	....	....	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	....	1.45	−1.85	0.69	.0	3	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	24	......	......	......	......	......	......	....	1.88	−0.71	0.63	.0	9	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	35	66.2	+3.2	90	13	36	26	42	1.55	−1.60	0.67	.0	8	9	9	12	se.	U. S. Weather Bureau
Fairmont	Marion	883	30	71.6	+4.2	97	†13	40	26	48	0.88	−2.07	0.49	.0	7	18	5	7	w.	J. C. Robinson
Glenville	Gilmer	738	42	71.3	+2.8	95	†15	41	26	42	2.31	−0.91	0.80	.0	5	17	1	12	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	68.8	+1.7	94	†13	38	26	44	2.26	−0.35	0.45	.0	9	17	4	9	......	W. E. Clayton
Hastings	Wetzel	809	1	72.1	......	94	†14	45	26	36	2.01	......	0 90	.0	7	21	2	7	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	....	2.45	−1.08	0.80	.0	6	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	13	70.2	+2.6	94	13	37	26	46	1.75	−1.49	0.75	.0	5	18	4	8	ne.	Dan Burkholder
Lost Creek	Harrison	1,026	38	70.3	+5.1	96	†13	35	26	50	1.69	−1.30	0.85	.0	7	20	3	7	w.	Allen Smith
Mannington	Marion	985	33	66.9	+2.0	89	†15	37	26	40	1.64	−1.75	0.44	.0	8	17	6	7	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	67.8	+0.3	91	†12	40	†5	48	1.60	−1.27	0.55	.0	6	24	2	4	sw.	Bruce Davis
New Cumberland	Hancock	671	38	69.4	+3.9	94	15	35	30	39	2.63	−0.28	1.47	.0	9	16	8	6	se.	C. O. Valentine
New Martinsville	Wetzel	634	42	71.2	+2.7	95	15	43	26	37	0.83	−2.20	0.20	.0	5	16	8	6	s.	Wm. Ankrom
Parkersburg	Wood	615	49	71.6	+4.3	95	14	44	25	34	1.98	−0.78	0.59	.0	9	15	9	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	68.2	+4.5	93	†13	37	26	47	1.96	−1.19	0.65	.0	6	14	10	6	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	....	1.86	−1.29	0.78	.0	8	22	2	6	......	Robert T. Deem
Philippi	Barbour	1,550	39	......	......	......	......	......	......	....	1.17	−2.13	0.56	.0	8	....	....	....	......	H. F. Brittinham
Pickens	Randolph	2,697	33	63.2	+1.4	87	15	34	25	36	2.18	−1.92	0.68	.0	6	21	0	9	w.	Dr. J. L. Cunningham
Reedsville	Preston	1,710	1	......	......	......	......	......	......	....	......	......	......	..	....	....	....	....	......	A. O. Goldstrom
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	....	3.40	.00	1.35	.0	6	21	1	8	......	Miss Mary A. Conrad
Terra Alta	Preston	2,559	35	......	......	......	......	......	......	....	......	......	......	..	...	....	....	....	......	E. R. Wagner
Thomas	Tucker	2,950	7	......	......	......	......	......	......	....	2.33	......	0.94	.0	5	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	69.4	+1.4	93	†13	34	15	45	1.63	−1.69	0.44	.0	7	12	11	7	sw.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	....	2.70	−0.57	0.91	.0	5	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	29	68.6	+3.7	95	†11	37	26	45	3.96	+0.97	3.43	.0	5	23	2	5	......	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	....	1.79	−1.48	0 90	.0	3	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	72.7	+5.4	97	†14	40	†25	45	1.74	−0.89	0.53	.0	7	4	20	6	......	A. Henry
Wheeling (Dam 12)	Ohio	659	49	68.8	+1.4	95	15	44	†20	40	1.62	−1.41	0.91	.0	7	17	5	8	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	....	0.93	......	0.20	.0	8	....	....	....	sw.	R. W. Rist
Division averages	and extremes	......	....	**69.1**	**+2.6**	**98**	**14**	**30**	**26**	**55**	**1.87**	**−1.20**	**3.43**	**.0**	**7**	**17**	**6**	**7**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	....	2.84	......	1.14	.0	5	....	....	....	......	H. S. Sutton
Bancroft	Putnam	574	32	73.7	+5.3	99	14	42	25	41	2.99	+0.11	1.39	.0	4	21	0	9	w.	Charles N. Long
Beckley	Raleigh	2,440	33	67.4	+4.2	93	13	39	25	35	2.40	−0.14	0.72	.0	8	13	12	5	......	L. A. Mauck
Bluefield	Mercer	2,558	41	[i]68.2	+2.0	[i]93	23	[g]42	25	[i]40	2.59	+0.27	1.24	.0	5	[g]8	[g]7	[g]8	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	72.8	+1.9	96	14	45	24	43	0.93	−2.05	0.66	.0	3	19	5	6	......	S. E. Damron
Clay	Clay	706	20	......	......	......	......	......	......	....	1.60	−1.62	0.69	.0	5	....	....	....	......	S. E. Woofter
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	....	1.51	−1.15	0.65	.0	7	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	....	1.58	−1.01	0.64	.0	6	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	....	0.78	......	0.37	.0	3	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	....	1.95	−0.23	1.02	.0	6	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	20	69.6	+1.1	91	13	42	26	41	3.40	+0.41	1.18	.0	8	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	[c]70.9	+2.9	[c]97	16	39	26	[c]41	1.77	−0.92	0.98	.0	4	22	4	4	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	74.0	+5.0	98	†14	44	25	35	1.89	−0.56	0.66	.0	5	15	8	7	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	....	1.41	−1.75	0.64	.0	5	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	...	2.00	−1.38	1.35	.0	5	....	....	....	......	Cabin Creek. Con Coal Co
Logan	Logan	700	33	......	......	......	......	......	......	....	2.80	−0.35	2.15	.0	6	....	....	....	......	J. R. Wampler
London	Kanawha	623	0	71.8	......	95	†11	41	25	41	1.55	......	0.82	.0	6	15	5	10	se.	Lockmaster
Madison[c]	Boone	675	15	72.2	+4.5	97	13	43	24	37	1.91	−1.55	1.20	.0	5	18	7	2	......	C. B. Whitlock
Point Pleasant	Mason	595	43	72.8	+6.9	99	14	40	25	40	1.60	−0.81	0.76	.0	6	21	2	7	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	65.2	......	89	16	38	26	39	2.07	......	0.66	.0	6	21	0	9	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	72.4	+3.0	98	13	38	25	41	1 00	−1.30	0.66	.0	3	17	4	9	nw.	Lockmaster
Richwood	Nicholas	2,193	6	68.4	......	91	15	40	25	41	2.09	......	0.53	.0	8	14	4	12	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	[g]73.0	+4.6	[g]97	16	[f]48	1	[g]42	2 05	−0.41	1.07	.0	4	[f]16	[f]0	[f]8	......	M. Frazier
Ryan	Roane	700	33	68.8	+4.2	95	†13	36	25	43	1.45	−1.55	0.49	.0	7	18	6	6	......	Wm E. Ryan
Spencer	Roane	789	32	70.4	+3.9	98	15	40	25	41	1.24	−1.64	0.79	.0	4	17	10	3	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	....	1.98	......	0.98	.0	4	....	....	....	......	Mrs. Ella E. Taylor
Sutton	Braxton	850	30	71.6	+2.9	97	†13	42	26	43	1.05	−2.30	0.40	.0	4	26	0	4	......	C. B. Eakle
Union[d]	Monroe	2,250	32	68.4	+2.3	92	14	37	26	38	2.85	+0.30	1.65	.0	4	17	7	2	......	C. B. King
Wayne	Wayne	598	9	......	......	......	......	......	......	....	3.54	......	1.62	.0	6	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier ††	1,914	26	66.2	+1.3	91	13	32	25	38	1.80	−1.04	1.00	.0	3	25	3	2	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	71.7	+2.0	93	14	46	25	38	2.71	−0.28	1.94	.0	6	17	8	5	sw.	J. E. Dotson
Division averages	and extremes	......	....	**70.7**	**+3.8**	**99**	**14**	**36**	**25**	**43**	**1.98**	**−0.79**	**2.15**	**.0**	**5**	**18**	**5**	**7**	**sw.**	
State averages and	extremes	......	....	**69.4**	**+2.9**	**99**	**14**	**25**	**25**	**57**	**1.82**	**−1.11**	**3.43**	**.0**	**6**	**18**	**5**	**7**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for September 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac			.35						.05						.02		.04			T.		T.		.35					.72	.14		1.67
Brandywine	do		T.	.20						.10				.20											T.						1.10		1.60
Circleville ||||	do			.32	T.					T.		T.			.02	.14		T.			T.				.04	.32					.38		1.22
Harpers Ferry ||||	do			.14											T.	.02				.06		.60				.20					.09		1.11
Kearneysville	do		.05	.14					T						.12						.14				.10						1.13		1.68
Martinsburg ||||	do			.20						.32				T.	.15	.15					T.	.05				.05					.02		0.94
McNeill	do		.12				T.		T.			T.	.51					T.	T.		T.				.06				T.	T.	.80		1.49
Piedmont	do		.11	.19									.01		.01										.05				T.		.79		1.16
Romney	do		.05	.15											.25			.01			.01				.10						1.11		1.68
Stony River Dam ||||	do			.56															.05							.08							0.69
Upper Tract	do		T.	T.																											.68		0.68
Wardensville ||||	do			.05																		.06				.03					.54		0.68
Northern Division																																	
Aberdeen	Monongahela		.18	.31						1.61											T.		T.		.51				T.		.14		2.75
Alma (near)	Ohio		.33	.18					.02												.02		.02		.25				.11	.06	.30		1.29
Alpena	Monongahela		.41							.27							.56								.53				.60		.65		3.02
Benson	do		.16	.42					1.02	.10															.28				.04				2.02
Bens Run	Ohio		.38	.16									T.		.09						.07		.12						.10	.04	.29		1.25
Brownsville	Monongahela		.15							.98					.12										.34				.01		.15		1.75
Buckhannon	do		.35	.05					.62	.12					T.						T.			T.	.55				.05		.15		1.89
Cairo	Litl.Kanawha		.40	.20						.72				.65		.45									.31				.05		.30		3.08
Clarksburg ||||	Monongahela			.53	.01					.02											.02				.03	.17			.02	T.			0.80
Crawford	do		.24	.10					.32						T.						T.			.16	.84				T.	T.	.20		1.86
Creston ||||	Litl.Kanawha			.65																					.53	.10							1.28
Dam 10, Mon. R. ||||	Monongahela	.07		.35					.08							.15					T.	.06				.30			.23	.02	.12		1.38
Dam 13, O. R. ||||	Ohio			.18										.21											.05	.06			.05		.22		0.77
Dam 15, Mon. R. ||||	Monongahela			.46	.02				T.							.12					.03	T.			T.	.25			.18	.02	.03		1.11
Davis ||||	do		.69							.26								T.			T.					.50				T.	T.		1.45
Elizabeth (D'm 3 LK)	Litl.Kanawha			.63						.03					.06	.11					.03				.30	.22			.02		.48		1.88
Elkins***	Monongahela		.35	.05					.03				T.		.15									.01	.39				.03		.54		1.55
Fairmont ||||	do		.49	T.											.04						.08			.03	.20				.01	.03			0.88
Glenville ||||	Litl.Kanawha			.80						.33						.51					T.				.29	.38							2.31
Grafton	Monongahela		.45	.35					.28						.05						.10	T.	T.	.22	T.			.25		.28	.28		2.26
Hackers Creek	do		.27	.17					.55																.36				.10		.20		1.65
Hastings	Ohio		.16	.30												.90					.02				.28				.15		.20		2.01
Horner	Monongahela		.55													.25				.20					.50			.15			.80		2.45
Ireland	do		.18	.18											.02					.02				.79	.68						.21		2.08
Jackson's Mill	do		.28	.11					.31	.26															.47						.17		1.60
Jane Lew	do		.15	.28						.75															.45						.12		1.75
Lost Creek	do		.32	.28					.85						T.										.12				.03	.04	.05		1.69
Mannington	do		.30	.24											.02						.06				.28				.16	.14	.44		1.64
Morgantown	do		.30					.10													.05				.50					.10	.55		1.60
New Cumberland	Ohio		.20											.05	.08							.33	.16		.12				.08	1.47	.14		2.63
New Martinsville	do		.18	.15																					.20					.10	.20		0.83
Parkersburg***	do		.55	.05					.50					.28	.10						T.				.26				.03	.02	.19		1.98
Parsons	Monongahela		.65	.10					.07						.47									T.					.02		.65		1.96
Parsons No. 2	do		.47	.31					.05	.03											T.			.13	.36				.05		.46		1.86
Philippi ||||	do			.56						.05											.02				.14	.27			.07	.02	.04		1.17
Pickens	do		.40	.36													.15								.68				.05		.54		2.18
Reedsville	do																																
Roanoke	do		.13	.30						1.01					1.35										.40						.21		3.40
Rockford	do		.27	.11					.64	.03											T.	T.		T.	.44				.07		.10		1.66
Saint Marys ||||	Ohio			.50					.05	.55											T.		.02		.17	.15					T.		1.44
Terra Alta	Monongahela																																
Thomas ||||	do			.94						.46																.53				.12	.28		2.33
Valley Chapel	do		.14	.23					.24	.44															.40				.05		.13		1.63
Vandalia	do		.31						.91															.61	.67						.20		2.70
Wellsburg	Ohio		.11										T.		T.										.27				.04	3.43	.11		3.96
West Milford	Monongahela			.75					.90																.14								1.79
Weston ||||	do			.53						.52	T.					.04						.05			.08	.48			.04		T		1.74
Wheeling (Dam 12) ||||	Ohio	T.		.18										.10							T.				.16	.13			.05	.09	.91		1.62
Woodlands ||||	do			.18					T.	.05	.15			.20							T.	.03			T.	.15			.12		.05		0.93
Southern Division																																	
Arbovale ||||	Gr. Kanawha		.39										T.		.12		.96	T.							.23				T.	T.	1.14		2.84
Bancroft	do			1.08											1.39										.05	.47							2.99
Beckley	do		.36	.70					.03	T.							T.	T.			.04		.03		.48					.04	.72		2.40
Bluefield	do		.28	1.04	.02																	.01								T.	1.24		2.59
Camden-on-Gauley ||||	Gauley			.25					.10																.18	.43					.13		1.09
Charleston	Gr. Kanawha		.07	T.																					.66						.20		0.93
Clay ||||	do			.54						.22				.01								T.			.14	.69					T.		1.60
Dam 6 G. K. ||||	do			.74	.04																				.06	.52							1.36
Dam 19 O. R. ||||	Ohio			.65	.02				T.						T.	.45					T.				.22	.09				.03	.05		1.51
Dam 20 O. R. ||||	do			.64	T.					T.					T.	.50					T.				.24	.06			.04		.10		1.58
Dam 25 O. R. ||||	do			.19						.22											T.				.37								0.78
Dam 26 O. R. ||||	do		T	1.02						.12	.12				.25						T.				.41	.03							1.95
Gary ||||	Big Sandy			1.18	.17						.30										.01	.22			.06	.53					.93		3.40
Hinton ||||	do			.98						T.	.16														T.	.19					.44		1.77
Huntington	Ohio		.65	.52					T.												.05				.66					T.	.01		1.89
Kanawha Falls ||||	Gr. Kanawha			.64	.16	T.																			.09	.47					.05		1.41
Kayford ||||	do			1.35	.05																	.02				.50					.08		2.00
Logan ||||	Guyandotte		T.	2.15	.04				T.	T.									T.			.01			.38	.18					.04		2.80
London	Gr. Kanawha			.71	.11					.13															.02	.55					.03		1.55
Madison	do		1.20	.05																				.50						.12	.04		1.91
Point Pleasant ||||	Ohio		T.	.76						.14	.40										T.				.26	.02			.02				1.60
Rainelle	Meadow Creek	T.	.66	.27														T.			.01				.48	T.				.01	.64		2.07
Ravenswood (Dam 22	Ohio ||||			.66																	T.				.29				T.		.05		1.00
Richwood	Gr. Kanawha		.33	.17					.11	.40															.53	.02				.11	.42		2.09
Robertsburg ||||	do			1.07						T.	.17				.28						T.				.53								2.05
Ryan	do		.49	.18					.43	.08				.14											.03						.10		1.45
Sharples ||||	Coal River																							T.	T.	1.09					T.		1.09
Spencer ||||	Gr. Kanawha			.79					T.	.05														.16		.24							1.24
Summersville ||||	do			.50						.20															.98						.30		1.98
Sutton	Gauley		.15	.20																					.40						.30		1.05
Thornwood ||||	Gr. Kanawha		.10	.21														.29							.21					.11	1.10		2.02
Union	do		.15	.40	.65																										1.65		2.85
Wayne ||||	Big Sandy			1.62	.39					.30					.12									.80	.31								3.54
White Sulpr. Spgs. ||||	Gr. Kanawha		.60	.20																											1.00		1.80
Williamson ||||	Big Sandy			1.94	T.					.04											.04	T.			.35	.31					.03		2.71

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for September 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	75	70	71	75	76	80	82	84	86	85	88	84	88	75	90	90	80	68	80	77	80	86	88	70	72	84	77	63	56	56	....	77.9
	Minimum	44	44	54	48	40	46	43	52	55	49	48	53	57	53	52	54	56	49	40	40	42	48	45	45	25	30	53	48	43	45	....	46.7
Brandywine	Maximum	83	81	80	78	80	81	87	86	88	87	96	94	89	83	91	92	80	75	82	84	88	87	92	83	80	75	85	82	81	80	....	84.3
	Minimum	45	51	50	55	50	45	48	47	51	59	60	57	58	67	64	65	60	57	50	48	50	52	50	57	35	28	44	60	54	49	....	52.2
Kearneysville	Maximum	83	75	76	78	77	72	87	90	88	85	83	93	83	77	82	87	80	72	80	75	86	88	89	79	67	70	83	78	67	55	....	79.5
	Minimum	51	60	62	55	50	56	53	63	63	64	66	65	67	66	63	62	64	61	56	52	58	57	58	61	44	36	49	65	54	48	....	57.6
Martinsburg*	Maximum	85	77	72	80	82	77	90	95	91	86	88	95	86	78	80	85	90	72	82	82	88	90	92	78	70	78	82	77	60	..	....	82.3
	Minimum	50	58	60	58	50	52	55	59	65	65	62	65	68	65	64	65	65	62	59	54	65	58	60	62	45	38	45	58	54	48	....	57.8
McNeill	Maximum	86	75	82	85	93	94	93	91	95	94	95	85	94	94	94	94	84	78	83	77	90	90	96	83	70	72	93	82	75	60	....	85.9
	Minimum	42	49	43	43	46	53	58	56	57	58	62	68	57	60	61	59	53	55	43	46	52	56	48	51	31	26	36	50	44	50	....	50.4
Piedmont	Maximum	80	71	73	79	79	79	85	89	89	87	89	89	91	68	87	91	73	74	80	84	85	89	89	71	68	71	87	67	63	54	....	74.9
	Minimum	48	55	60	57	50	50	54	59	62	60	61	62	66	66	61	65	67	57	50	49	59	57	57	61	47	35	42	62	54	47	....	56.0
Romney	Maximum	86	82	76	83	81	86	93	93	93	91	96	94	94	83	92	95	83	88	84	77	90	94	95	80	71	75	93	81	67	57	....	85.1
	Minimum	46	53	62	58	48	48	51	79	61	60	59	60	64	66	60	73	64	58	48	49	56	55	55	58	46	32	40	63	55	50	....	55.9
Wardensville	Maximum	81	72	75	80	..	..	89	92	90	87	90	..	93	76	89	91	77	74	..	83	89	91	90	76	68	80	86	74	61	64	....	81.5
	Minimum	46	51	58	57	44	..	..	43	60	59	57	58	..	62	57	60	61	59	47	..	48	54	54	55	44	29	41	58	54	48	....	52.5
Northern Division																																	
Alpena	Maximum	76	64	71	74	75	79	81	82	83	85	88	82	90	81	89	90	78	65	77	75	70	83	83	69	64	72	83	68	67	60	....	76.8
	Minimum	43	47	54	49	43	43	42	52	57	49	50	55	56	60	58	61	60	47	45	45	45	49	47	50	37	30	36	57	54	47	....	48.9
Bens Run	Maximum	85	68	75	84	86	86	89	90	92	92	94	92	96	97	96	96	80	82	83	84	90	90	93	75	69	81	86	77	63	60	....	84.4
	Minimum	56	61	62	59	58	58	63	68	67	64	61	67	69	71	68	69	64	53	53	58	59	65	63	59	48	47	53	58	52	58	....	60.4
Buckhannon	Maximum	78	70	69	79	80	81	82	85	82	82	86	85	87	86	87	88	85	74	74	77	80	84	87	72	65	76	80	79	79	68	....	79.6
	Minimum	50	55	60	57	52	49	52	60	61	58	56	62	63	66	61	63	60	50	47	62	52	58	57	59	45	38	43	59	52	59	....	55.5
Cairo	Maximum	91	87	87	84	85	85	84	89	86	92	91	93	93	88	94	94	94	75	82	78	84	91	93	93	66	78	87	85	70	65	....	85.5
	Minimum	46	52	55	54	53	52	54	61	54	69	54	61	63	65	64	64	63	48	48	64	54	51	55	61	37	40	45	60	55	52	....	55.1
Clarksburg *	Maximum	70	67	72	80	84	83	85	88	90	88	90	89	94	93	93	92	71	78	79	82	87	89	92	68	65	80	86	63	74	74	....	81.5
	Minimum	50	48	59	55	54	51	55	61	64	59	54	61	64	69	62	64	64	53	49	48	52	57	55	62	44	37	43	46	54	53	....	54.9
Creston	Maximum	86	80	78	85	84	86	87	91	92	89	92	94	97	98	96	96	88	81	84	85	91	94	94	87	70	79	88	78	75	64	....	86.3
	Minimum	49	54	59	55	55	57	54	60	63	57	58	60	61	65	62	67	63	46	46	49	50	53	52	60	38	40	43	59	53	52	....	54.7
Elkins	Maximum	78	65	73	79	78	80	82	84	84	84	88	85	90	82	89	89	70	71	77	77	81	85	85	68	64	75	84	75	75	60	....	78.6
	Minimum	51	52	59	56	50	53	49	58	61	56	56	59	61	65	63	63	57	51	50	50	51	56	53	48	40	36	42	58	55	54	....	53.8
Fairmont	Maximum	88	68	75	86	87	88	93	90	92	94	96	95	97	96	97	96	74	79	83	85	89	92	97	70	71	88	92	65	69	62	....	85.1
	Minimum	52	59	61	58	54	54	61	65	65	61	57	63	69	73	65	67	62	52	50	53	56	62	58	67	49	40	46	60	54	52	....	58.2
Glenville	Maximum	86	80	78	87	87	86	89	89	90	91	94	94	93	92	95	95	94	81	82	83	91	92	92	81	72	83	84	83	80	69	....	86.4
	Minimum	52	56	60	58	56	53	54	63	64	63	59	62	66	67	63	64	63	49	49	50	54	55	57	54	42	41	43	60	53	55	....	56.2
Grafton	Maximum	82	77	73	83	82	82	86	87	89	88	91	89	94	89	93	94	82	78	79	82	87	89	72	72	70	82	86	73	60	60	....	81.7
	Minimum	50	55	60	70	57	51	51	61	64	60	57	62	66	70	63	62	62	52	51	52	53	60	59	60	47	38	44	43	44	56	....	56.0
Lost Creek	Maximum	85	74	75	84	85	85	89	88	91	90	91	90	96	95	96	95	89	80	82	90	93	92	94	75	69	85	90	80	79	65	....	85.7
	Minimum	50	54	60	58	64	49	53	56	60	61	63	62	63	66	62	64	60	50	48	47	50	52	56	60	42	35	40	58	53	52	....	54.9
Mannington	Maximum	78	70	72	78	80	78	82	84	82	83	87	87	88	88	89	89	81	75	75	78	83	86	87	76	63	76	82	79	62	60	....	79.3
	Minimum	48	54	60	53	52	51	57	61	62	57	52	59	64	69	62	62	59	48	46	49	50	57	55	59	48	37	42	58	54	51	....	54.5
Morgantown	Maximum	88	85	80	82	88	88	90	90	90	90	90	91	91	89	85	87	90	88	90	88	88	86	89	88	85	90	82	88	80	75	....	87.0
	Minimum	50	48	50	42	40	48	42	52	48	55	57	60	65	68	60	50	42	50	47	50	44	47	50	42	43	45	42	40	40	40	....	48.6
New Cumberland	Maximum	84	80	79	83	83	83	88	87	88	85	91	89	87	89	94	92	79	76	79	84	84	88	91	84	65	79	84	82	80	64	....	83.4
	Minimum	49	59	58	56	52	54	64	69	59	57	57	64	67	68	66	67	58	45	46	49	54	58	58	55	47	40	49	54	47	35	....	55.4
New Martinsville	Maximum	85	79	79	82	85	86	88	89	90	90	92	90	90	92	95	94	87	77	77	82	86	89	90	81	69	80	86	80	67	64	....	84.0
	Minimum	53	58	61	60	57	56	62	67	67	67	60	65	69	71	67	68	62	51	50	53	55	61	60	58	46	43	49	58	51	51	....	58.5
Parkersburg	Maximum	86	72	74	83	85	84	88	89	89	90	93	93	94	95	94	94	75	77	79	82	90	92	92	76	66	78	85	77	62	65	....	83.3
	Minimum	56	61	63	60	59	61	64	69	66	62	59	71	70	70	70	70	57	51	53	57	58	63	62	50	44	49	57	58	52	51	....	59.8
Parsons	Maximum	81	65	80	81	81	85	89	89	89	88	92	89	93	85	93	92	72	72	80	80	85	89	89	71	57	75	88	74	71	61	....	81.2
	Minimum	47	52	58	57	58	54	51	57	62	60	57	62	61	70	60	64	57	52	55	50	54	55	55	57	43	37	41	59	58	51	....	55.1
Pickens	Maximum	72	68	65	65	62	65	72	72	77	78	82	84	86	85	87	85	80	70	75	75	81	82	85	68	61	73	81	70	76	67	....	75.0
	Minimum	48	52	55	52	49	49	48	49	56	52	54	54	61	63	61	59	57	47	45	46	50	54	55	44	34	37	49	58	53	55	....	51.5
Wellsburg	Maximum	83	70	79	83	83	85	89	89	89	91	95	88	90	91	95	94	82	78	80	85	86	91	93	75	69	82	87	80	60	65	....	83.6
	Minimum	47	55	60	51	47	51	61	62	58	58	56	60	67	69	63	63	60	42	41	46	49	55	53	56	47	37	43	56	48	48	....	53.6
Wheeling (Dam 12)	Maximum	83	72	81	85	84	85	87	90	89	88	92	89	89	93	95	94	78	78	85	83	87	89	92	68	66	81	87	65	56	65	....	82.5
	Minimum	45	55	55	57	45	57	60	64	63	61	59	65	72	69	63	62	50	48	48	44	55	58	52	51	47	44	47	52	51	49	....	55.0
Southern Division																																	
Beckley	Maximum	80	73	77	73	75	79	82	84	83	83	86	89	93	88	82	90	76	76	81	75	85	86	87	73	68	73	83	82	72	67	....	80.0
	Minimum	48	55	57	61	55	52	51	61	62	55	51	60	62	57	56	59	60	57	46	53	51	52	54	64	39	43	53	60	58	53	....	54.8
Bluefield	Maximum	80	75	74	74	73	72	..	..	82	82	86	84	..	..	88	89	87	79	81	..	83	85	93	..	..	..	..	86	80	64	....	80.8
	Minimum	48	56	59	60	58	55	..	..	53	57	61	61	..	..	61	65	58	58	50	..	60	54	55	50	42	..	..	46	59	52	....	55.6
Charleston	Maximum	85	76	77	84	85	85	87	89	91	90	92	90	95	96	94	95	73	80	82	81	89	92	93	88	68	84	87	70	79	69	....	84.9
	Minimum	54	61	62	62	63	57	60	68	65	63	65	70	71	71	68	69	55	53	58	54	60	61	65	45	48	68	52	62	56	57	....	60.8
Gary *	Maximum	82	65	79	82	79	82	84	86	87	90	90	88	91	87	90	90	82	79	82	75	85	88	88	76	70	75	86	85	77	67	....	82.2
	Minimum	50	52	58	64	58	52	54	57	63	63	62	62	63	64	62	62	64	63	53	52	59	55	56	58	48	42	45	54	57	60	....	57.1
Hinton *	Maximum	87	66	85	80	83	86	88	91	86	92	93	91	96	90	93	97	86	84	85	82	90	93	92	76	78	80	..	..	..	62	....	85.6
	Minimum	51	52	56	61	57	51	54	54	63	62	60	62	61	65	65	61	63	60	53	53	56	58	57	58	47	39	42	48	59	58	....	56.2
Huntington	Maximum	87	80	76	86	88	87	88	92	91	91	94	92	96	98	98	96	86	83	83	83	91	95	92	82	69	83	84	80	80	70	....	86.7
	Minimum	54	65	64	61	62	57	61	71	68	63	62	71	68	69	70	69	66	54	54	60	61	61	61	65	44	50	53	62	61	55	....	61.4
Point Pleasant	Maximum	88	84	80	87	89	88	90	91	88	92	94	92	97	99	97	97	92	83	84	85	90	92	93	85	70	84	86	83	68	67	....	87.2
	Minimum	52	62	62	57	57	55	59	68	65	69	59	65	67	59	68	68	63	50	51	56	58	57	59	64	40	46	51	60	57	52	....	58.5
Rainelle	Maximum	79	70	78	76	70	76	82	84	84	84	87	83	88	81	86	89	80	75	79	75	81	85	84	67	75	71	83	80	69	61	....	78.7
	Minimum	42	47	57	55	54	49	46	54	60	54	53	56	56	62	61	60	60	57	43	43	51	48	49	52	40	38	44	50	54	52	....	51.6
Ravenswood	Maximum	86	85	84	83	87	85	89	89	95	92	96	92	95	95	95	94	93	84	82	82	90	94	92	87	68	80	86	87	86	77	....	87.7
	Minimum	51	50	60	52	56	58	58	66	63	56	55	67	66	67	68	68	63	49	48	53	55	57	57	61	38	45	55	54	56	57	....	57.0
Richwood	Maximum	81	80	76	79	78	80	83	85	86	86	88	87	89	90	91	88	83	76	80	79	87	88	88	81	68	75	84	83	74	74	....	82.2
	Minimum	45	52	59	58	56	55	42	57	61	56	56	58	62	57	64	60	62	58	46	50	52	50	53	59	40	42	56	55	56	57	....	54.5
Robertsburg*	Maximum	90	70	73	83	82	89	92	84	87	94	93	95	93	88	96	97	75	80	87	82	92	95	89	..	..	..	..	..	..	..	....	87.2
	Minimum	48	58	60	60	57	53	57	65	65	61	58	62	66	68	67	67	50	50	49	52	56	58	58	64	..	..	..	..	..	..	....	58.7
Spencer *	Maximum	85	69	79	84	85	86	87	89	90	91	94	93	96	97	98	96	69	81	84	84	91	95	90	67	67	80	87	69	65	62	....	83.7
	Minimum	52	55	61	57	56	55	56	59	64	60	58	65	66	69	67	68	67	50	48	51	54	54	59	60	40	44	52	60	57	49	....	57.1
Sutton	Maximum	83	83	76	83	84	85	86	86	85	89	92	92	97	97	95	94	92	80	80	82	88	92	92	88	74	80	87	87	76	76	....	86.0
	Minimum	52	56	60	61	58	52	52	62	63	60	57	62	63	69	67	68	64	53	50	52	53	55	56	64	43	42	41	61	58	56	....	57.1
Union	Maximum	82	82	79	78	78	..	83	85	86	86	87	88	..	92	89	90	86	78	84	..	85	87	88	87	75	73	..	84	83	70	....	83.3
	Minimum	45	53	58	63	53	..	48	57	60	58	59	57	..	57	60	55	59	54	46	..	54	49	51	60	41	37	..	48	59	52	....	53.
White Sulphur Spgs.	Maximum	82	69	79	73	75	77	75	82	82	82	85	82	91	76	82	90	89	81	80	75	82	79	83	74	70	70	82	82	66	60	....	78.
	Minimum	50	59	63	53	49	48	52	62	59	57	59	60	65	64	63	60	55	47	55	55	47	52	58	38	32	42	52	58	51	52	....	51.
Williamson*	Maximum	85	66	78	83	83	84	85	86	88	88	90	91	91	93	91	90	72	79	82	79	87	91	87	78	68	77	87	83	80	72	....	83.
	Minimum	55	59	61	65	61	55	59	62	68	66	63	65	67	69	65	65	68	59	56	56	60	61	59	64	46	47	49	55	62	61	....	60.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.188	.081	.037	.035	.154	.157	.152	.137	.104	.167	.159	.144	.162	.161	.192	.166	.199	.112	.130	.098	.088	.128	.156	.161	.072	.101	.146	.139	.060	.022	....	3.80
	Wind movement	61	35	5	16	23	13	8	31	23	18	15	20	26	21	26	15	42	50	33	22	19	30	26	27	64	34	21	57	51	99	....	93

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 10-26-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIV Parkersburg, W. Va., October 1936 No. 10

GENERAL SUMMARY

The past month, with the temperature averaging much above normal, was the sixth consecutive warm month in West Virginia. Temperatures were mostly near or above the normal until near the close of the month, when freezing temperatures and heavy to killing frosts occurred, but on account of the lateness of the season, the cold weather caused but little damage. The precipitation was generally near or considerably above the normal and quite favorably distributed, the greatest amounts being received in the northeastern panhandle districts, and the least in scattered sections of the central counties. The rainfall was unusally heavy in many sections of the State on the 17th, and the 24-hour amounts were excessive in most of the northeastern counties. Light snow or snow flurries occurred in some of the mountain counties near the close of the month. The weather during most of the month was favorable for apple picking, corn husking, and farm work. Meadows and pastures were much improved by the warm, wet weather, and winter grains were in excellent condition and making good growth.

TEMPERATURE

The average temperature for the northeastern panhandle division was 55.9°, or 2.6° above normal; for the northern division, 55.7°, or 1.4° above normal; for the southern division, 57.9°, or 2.6° above normal; and for the State, 56.5°, or 1.9° above normal. The highest monthly mean temperature was 60.8° at Ravenswood, and the lowest, 49.8° at Terra Alta. The highest temperature was 89° at Madison on the 9th, and Ravenswood on the 10th, and the lowest was 12° at Alpena on the 28th, making the monthly range for the State 77°. The greatest daily range was 56° at McNeill on the 20th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 4.73 inches, or 2.14 inches above normal; for the northern division, 3.83 inches, or 0.91 inch above normal; for the southern division, 3.68 inches, or 0.95 inch above normal; and for the State, 3.89 inches, or 1.08 inches above normal. The greater portion of the precipitation was received from the 6-11th, 16-18th, and on the 23d and 26th, the greatest amounts being measured on the 7th, 10th, 17th, and 26th. Light snow or snow flurries occurred in the mountain sections on the 26th, 27th, 29th, and 30th. The greatest monthly precipitation was 7.50 inches at Pickens, and the least, 2.07 inches at Roanoke. The greatest amount in any 24 consecutive hours was 3.75 inches at Martinsburg on the 17th.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 2d, 10; 3d, 8; 4th, 6; 5th, 4; 6th, 1; 7th, 1; 8th, 1; 9th, 3; 12th, 1; 13th, 3; 14th, 6; 15th, 5; 16th, 1; 17th, 1; 19th, 4; 20th, 2; 21st, 3; 22d, 2; 23d, 2; 24th, 3; 25th, 9; 28th, 3; 31st, 1.

MISCELLANEOUS PHENOMENA (Continued)

Corona, lunar: 20th, 1 (Huntington).

Hail, light: 11th, 1 (Martinsburg).

Halo, lunar: 25th, 1 (Hinton).

Thunderstorms: 6th, 2; 7th, 2; 8th, 2; 9th, 2; 10th, 7; 11th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.11	30.48	27	29.64	10	6.5	24	sw.	29	89	64	70	50
Columbus, Ohio	30.10	30.50	27	29.58	17	8.8	34	sw.	29	83	63	69	48
Elkins	30.15	30.52	14	29.47	17	5.5	22	sw.	26	89	62	77	52
Parkersburg	30.14	30.54	27	29.57	17	5.7	21	nw.	30	88	58	72	42
Pittsburgh, Pa	30.08	30.44	14	29.39	17	10.0	34	nw.	30	83	61	70	68
Wytheville, Va	30.10	30.45	14	29.51	17	5.7	24	nw.	30	84	59	75	47

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	......	7	......	......	......
1892	52.6	89	24	.21	1.05	.48	.83	......	4	......	......	......
1893	54.1	86	16	4.85	4.20	5.91	4.74	......	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5 5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	**.40**	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
Period	54.6	102	8	2.59	2.92	2.73	2.81	.3	7	16	7	8

Climatological Data for October 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	51.0	+1.8	79	20	17	28	46	4.78	+1.52	2.96	0.0	10	21	5	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	56.5	+3.2	83	8	18	28	44	3.30	+0.93	2.65	T.	5	19	0	12	s.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	....	5.62	......	3.20	T.	13	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......		6.53	+3.27	3.09	.0	8	....	....	....	......	Sherman Harrison
Kearneysville	Jefferson	548	6	57.5	......	80	†7	24	28	37	4.27	......	2.96	.0	8	16	12	3	se.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	^{a}57.3	+2.6	^{a}80	†7	24	28	^{a}38	6.72	+3.65	3.75	.0	8	23	6	2	w.	Dr. H. S. Gardner
McNeill	Hardy	900	40	56.1	+2.0	88	20	15	28	56	3.18	+0.87	1.92	.0	7	13	5	13	w.	D M. McNeill
Piedmont	Mineral	1,053	23	55.2	+1.8	80	20	22	28	41	4.40	+1.75	2.84	.0	8	17	6	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	57.8	+2.9	87	7	21	28	45	5.06	+2.51	3.08	.0	10	15	6	10	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	....	4.71	+1.51	2.10	T.	8	5	6	20	w.	A. C. Becker
Upper Tract ^{b}	Pendleton	1,230	37	56.9	+2.6	82	20	18	28	44	4.36	+2.13	2.70	.0	4	18	5	6	......	Mrs. J. M. Mallow
Wardensville ^{b}	Hardy	1,200	15	55.2	+2.6	81	20	19	28	40	3.80	+0.64	2.58	.0	8	12	10	7	......	Reymann Memorial Farm
Division averages	and extremes	......	....	**55.9**	**+2.6**	**88**	**20**	**15**	**28**	**56**	**4.73**	**+2.14**	**3.75**	**T.**	**8**	**16**	**6**	**9**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	....	3.30	−0.24	1.00	.0	11	8	8	15	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	....	4.59	......	1.60	.0	9	11	10	10	......	D. N. Furbee
Alpena	Randolph	2,571	6	51.2	......	78	20	12	28	47	4.08	......	1.17	T.	10	14	7	10	......	Christian Hertig
Benson	Harrison	1,080	12	^{a}56.3	+3.4	^{a}80	†6	^{a}17	30	^{a}47	2.58	−0.98	0.60	.0	10	14	11	6	......	R. D. Marts
Bens Run	Tyler	652	34	56.7	+0.1	84	9	29	31	37	3.08	+0.06	0.80	.0	10	20	5	6	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	......	......	......	......	......	......	....	3.18	−0.24	0.65	.0	9	....	....	....	......	W. B. Worley
Buckhannon	Upshur	1,411	39	55.0	+1.2	80	9	23	31	40	3.98	+0.84	1.20	.0	13	17	2	12	......	H. A. Darnall
Cairo	Ritchie	680	35	57.3	+1.5	83	7	22	31	47	4.26	+1.34	1.30	.0	8	17	5	9	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	55.2	+1.8	82	6	21	†28	44	2.46	−0.67	0.75	.0	11	12	12	7	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	....	3.08	−0.41	1.01	.0	12	16	8	7	sw.	George W. Blair
Creston	Wirt	640	34	59.2	+3.5	86	9	30	28	40	2.20	−0.95	1.07	.0	7	16	6	9	......	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	....	3.10	−0.07	0.78	.0	14	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	....	3.66	+0.97	0.81	.0	15	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	15	......	......	......	......	......	......	....	2.90	−0.34	0.91	.0	13	....	....	....	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	....	5.97	+2.56	2.40	.5	9	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	......	......	......	......	......	......	....	4.49	+1.57	1.38	.0	13	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	35	53.6	+1.3	80	20	23	31	45	4.34	+1.43	2.12	T.	12	8	8	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	30	57.8	+2.7	85	†6	25	31	43	2.88	−0.23	0.90	.0	12	17	3	11	w.	J. C. Robinson
Glenville	Gilmer	738	42	57.2	+1.0	84	9	23	31	47	3.54	+0.33	0.95	.0	13	9	7	15	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	57.0	+1.8	82	6	23	31	43	3.39	+0.43	1.12	.0	9	17	1	13	......	W. E. Clayton
Hastings	Wetzel	809	1	59.8	......	85	9	27	28	36	4.78	......	1.68	.0	12	13	6	12	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	....	3.85	+0.16	1.00	.0	10	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	13	57.8	+2.7	83	8	22	31	45	3.35	+0.03	0.90	.0	9	15	4	12	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	57.0	+2.8	87	†6	20	31	50	3.07	+0.08	0.76	.0	11	19	2	10	w.	Allen Smith
Mannington	Marion	985	33	54.4	+0.8	80	9	21	31	40	3.69	+0.52	0.84	.0	13	14	5	12	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	51.4	......	80	†2	26	†27	37	2.56	−0.59	0.70	.0	8	20	2	9	sw.	Bruce Davis
New Cumberland	Hancock	671	38	55.0	+1.0	83	21	23	28	40	4.42	+1.70	1.63	.0	15	12	5	14	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	56.8	0.0	86	9	25	31	37	4.31	+1.19	1.95	.0	8	5	13	13	n.	Wm. Ankrom
Parkersburg	Wood	615	49	57.0	+0.9	83	6	27	28	37	3.44	+0.96	1.08	.0	11	10	10	11	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	55.2	+3.7	81	20	22	31	49	3.67	+0.40	1.85	.0	8	15	3	13	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	....	4.90	+1.63	2.60	.0	12	17	3	11	......	Robert T. Deem
Philippi	Barbour	1,550	39	......	......	......	......	......	......	....	3.66	+0.52	1.87	.0	11	....	....	....	......	H. F. Brittinham
Pickens ^{a}	Randolph	2,697	33	53.2	+1.5	76	†9	21	28	37	7.50	+3.46	2.05	.0	13	8	9	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	....	2.07	−1.35	0.52	.0	8	16	2	13	......	Miss Mary A. Conrad
Terra Alta ^{c}	Preston	2,559	35	49.8	+0.8	77	4	18	28	41	5.50	+1.61	2.20	T.	8	12	3	13	w.	Ernest Naedele
Thomas	Tucker	2,950	7	......	......	......	......	......	......	....	6.83	......	3.21	.0	14	....		....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	56.5	+1.1	84	8	24	31	41	2.57	−0.84	0.57	.0	11	10	11	10	ne.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	....	3.02	+0.05	0.88	.0	6	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	29	54.9	+1.4	83	9	22	†28	41	5.07	+2.35	2.15	.0	10	15	5	11	......	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	....	3.11	−1.11	0.62	.0	12	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	58.6	+3.1	84	†6	25	31	42	3.39	+0.58	0.82	.0	15	3	18	10	......	A. Henry
Wheeling (Dam 12)	Ohio	659	49	54.5	−0.4	84	9	26	28	36	4.25	+1.51	1.03	.0	13	11	7	13	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	....	4.51	......	1.48	.0	10	....	....	....	sw.	R. W. Rist
Division averages	and extremes	......	....	**55.7**	**+1.4**	**87**	**†6**	**12**	**28**	**50**	**3.83**	**+0.91**	**3.21**	**T.**	**11**	**14**	**6**	**11**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	....	3.78	......	2.12	T.	8	....	....	....	......	H. S. Sutton
Bancroft	Putnam	574	32	60.6	+4.0	88	19	29	28	47	4.12	+1.14	1.43	.0	8	12	1	18	w.	Charles N. Long
Beckley	Raleigh	2,440	33	55.3	+2.4	81	20	24	31	43	3.33	+0.35	1.04	T.	13	12	11	8	......	L. A. Mauck
Bluefield ^{d}	Mercer	2,558	41	57.2	+1.5	80	7	28	†28	38	3.09	+0.32	0.99	.0	10	9	6	12	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	58.8	−0.1	84	9	31	28	34	4.36	+1.32	1.90	.0	11	17	3	11	......	S. E. Damron
Clay	Clay	706	20	......	......	......	......	......	......	....	4.34	+1.36	1.63	.0	15	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	......	......	......	......	......	......	....	3.61	+0.48	1.70	.0	12	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	....	3.64	+0.99	1.06	.0	13	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	....	3.43	+0.73	0.70	.0	15	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	....	4.52	......	1.30	.0	13	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	....	3.86	+1.23	1.34	.0	15	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	20	^{a}58.2	+2.6	^{a}83	7	^{a}28	31	^{b}45	3.03	+0.13	0.86	.0	11	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	56.4	−0.6	81	†7	27	28	41	3.40	+0.57	1.29	.0	9	17	5	9	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	59.6	+3.2	84	20	29	28	38	4.31	+1.79	1.04	.0	12	9	13	9	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	....	3.30	.00	1.51	.0	12	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	....	3.76	+0.44	1.57	T.	14	....	....	....	......	Cabin Creek. Con Coal Co
Logan	Logan	700	33	......	......	......	......	......	......	....	2.59	−0.46	1.25	.0	11	....	....	....	......	J. R. Wampler
London	Kanawha	623	0	60.2	......	85	10	32	†28	37	3.81	......	1.67	.0	12	14	0	17	se.	Lockmaster
Madison	Boone	675	15	^{c}57.4	+1.8	^{c}89	9	^{c}28	31	^{c}39	2.57	−0.06	1.43	.0	6	17	3	11	......	C. E. Whitlock
Point Pleasant	Mason	595	43	58.9	+1.7	86	9	26	28	44	4.54	+1.73	1.38	.0	14	14	7	10	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	53.3	......	78	†5	21	31	40	3.61	......	1.35	.5	13	12	3	16	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	60.8	+4.5	89	10	25	31	43	3.83	+1.04	0.86	.0	12	13	7	11	ne.	Lockmaster
Richwood	Nicholas	2,193	6	56.8	......	86	20	24	31	49	3.83	......	1.40	.0	13	12	7	12	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	^{e}59.0	+2.4	^{e}86	9	^{e}29	†28	^{f}38	4.18	+1.47	1.13	.0	13	^{d}15	^{d}0	^{d}12	......	M. Frazier
Ryan	Roane	700	33	56.8	+4.1	80	†5	24	†28	48	5.67	+2.51	1.51	.0	10	15	6	10	......	Wm E. Ryan
Spencer	Roane	789	32	57.2	+2.3	84	6	25	30	43	5.47	+2.31	1.47	.0	10	12	13	6	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	....	2.95	......	0.75	.0	6	....	....	....	......	Mrs. Ella E. Taylor
Sutton	Braxton	850	30	58.2	+1.5	83	†9	24	31	42	3.90	+0.91	1.25	.0	10	22	0	9	......	C. B. Eakle
Union ^{d}	Monroe	2,250	32	57.9	+3.5	84	21	23	31	44	2.34	−0.39	1.40	.0	7	13	8	6	......	C. B. King
Wayne	Wayne	598	9	......	......	......	......	......	......	....	3.01	......	0.88	.0	9	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	26	56.1	+3.7	80	†8	22	28	44	2.80	−0.01	2.00	.0	5	20	7	4	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	59.3	+1.5	86	9	32	†28	37	2.72	−0.07	1.23	.0	11	15	6	10	nw.	J. E. Dotson
Division averages	and extremes	......	....	**57.9**	**+2.6**	**89**	**†9**	**21**	**31**	**49**	**3.68**	**+0.95**	**2.12**	**T.**	**11**	**14**	**6**	**11**	**sw.**	
State averages and	extremes	......	....	**56.5**	**+1.9**	**89**	**†9**	**12**	**28**	**56**	**3.89**	**+1.08**	**3.75**	**T.**	**11**	**14**	**6**	**11**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for October 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac						.20	.08	.08		.12	.06				T.	.20	2.96	.30				T.	.12			.66						4.78
Brandywine	do							.45	T.		.10						.80	1.85							.10		T.				T.		3.30
Circleville ‖‖	do	.58	.12				T.		.14	.16	.20	.10	.08					3.20	.24				.18	.09			.12	.41					5.62
Harpers Ferry ‖‖	do	1.57							1.00		.38	.34						3.09	.10						.02		.03						6.53
Kearneysville	do	.40						.40		.08	.30						.44	2.52						.05			.08						4.27
Martinsburg ‖‖	do	1.85							.35	T.	.25	.25					T.	3.75	.15								.10				.02		6.72
McNeill	do	.30					T.	.16	.07	T.	.07	T.					.50	1.92	T.					T.			.16				T.		3.18
Piedmont	do	.39						.15		.02	.12						.53	2.84						.16			.19						4.40
Romney	do	.33						.40	.01		.10	.05					.55	3.08						.25	.01		.28						5.06
Stony River Dam ‖‖	do	1.08						.21			.22	.15						2.10	.45						.10			.40			T.		4.71
Upper Tract	do	.32								.42							.92	2.70	T.					T.						T.			4.36
Wardensville ‖‖	do	1.01	.03					.05				.07					.02	2.58	.02					T.	T.	T.	T.		.02		T.		3.80
Northern Division																																	
Aberdeen	Monongahela	.22						.38	.02	.08	.38	.09					.38	1.00	.11					.05	T.		.59						3.30
Alma (near)	Ohio						.20	.30	.38		1.60						.90	.24					.04	.15			.78						4.59
Alpena	Monongahela	.15					.12	.16	.03		.30	.11					1.00	1.17	.50								.54			T.			4.08
Benson	do	.25						.40	.12		.10	.05					.30	.56	.15				.05				.60						2.58
Bens Run	Ohio						.23	T.	.15		.79	.09					.22	.51					.14	.13	.02		.80						3.08
Brownsville	Monongahela	.26						.50	.06		.54						.36	.60	.11						.10	.65							3.18
Buckhannon	do	.06					.05	.42	.16	.25	.31	.15					.55	1.20	.15				T.	.08	.05		.55						3.98
Cairo	Litl.Kanawha	.12						.94	.15		1.30						.45	.50	.15								.65						4.26
Clarksburg ‖‖	Monongahela	.30						.27	.10		.14	.05						.75	.23					.17	.02		.31	.12					2.46
Crawford	do						.08	.49	.13	T.	.21	.08				.03	.46	1.01	.09				T.	.11	.03		.36						3.08
Creston ‖‖	Litl.Kanawha	.51					.06		T.		.05	T.				T.	1.07	.03					.15	T.			.33						2.20
Dam 10, Mon. R. ‖‖	Monongahela	.21					.22		.38	.01	.14	.06					.02	.78	.19	.04				.09	.14		.54	.28					3.10
Dam 13, O. R. ‖‖	Ohio	.22	.01					.44	.44	.01	.81	.06	.03					.61	.22				.01	.02	.07		.62	.09					3.66
Dam 15, Mon. R. ‖‖	Monongahela	.25						.16	.36	T.	.13	.12					.04	.91	.13	.02				.12	.11		.40	.15					2.90
Davis ‖‖	do								.15	.15		.30	.24					2.40	.98	.15							.85	.75					5 97
Elizabeth (D'm 3 LK)	Litl.Kanawha						.02	.55	.08	.04	1.38	.46				.18	.88	.36					.04	.04		.44	.02						4.49
Elkins***	Monongahela	.14					.22	.20	.01	.18	.37	.05				T.	1.66	.97	T.				T.	.10	.02	T.	.42		T.		T.		4.34
Fairmont ‖‖	do						.12	.36		.20	.09					.02	.90	.29	.02				.12	.16		.53	.07					T.	2.88
Glenville ‖‖	Litl.Kanawha	.32	T.					.66	.09	.04	.28	.12	.07					.95	.33	T.				.12	.03		.24	.29					3.54
Grafton	Monongahela	.15						.25	.33		.24						.35	1.12					T.	.10	.01		.84						3.39
Hackers Creek	do						.13	.20	.28	.21	.10	.22					.30	.73					.10				.50						2.77
Hastings	Ohio	.09						.23	.29		1.68	.12					.12	.81	.03				.03	.09	.09		1.20						4.78
Horner	Monongahela			.25				.75				.14		.16		.25			.50					.25	1.00		.40	.15					3.85
Ireland	do						.12	.50		.13	.25						.71	.61							.14	.17							2.63
Jackson's Mill	do	.14							.45	.30	.13						.33	.60									.35						2.30
Jane Lew	do							.40	.10	.48	.42	.14					.35	.83	.10								.53						3.35
Lost Creek	do	.10						.41	T.	.64	.18	.02					.31	.76	.15				.05	.03	T.		.42						3.07
Mannington	do	.15						.37	.61	.01	.42	.09	T.				.28	.56	.09				.04	.11	.12		.84				T.		3.69
Morgantown	do										.50	.05				.30	.70	.01	.15					T.	.25		.60						2.56
New Cumberland	Ohio	.07					.41	.16		.11	1.52	.06	.02				.25	1.08	.02				.02	.06	.07		.55	.02				T	4.42
New Martinsville	do						.12	.18	.32		1.95						.15	.68								.09	.82						4.31
Parkersburg***	do						.35	.28	.17	.09	.37	T.					.57	.30	T.				.10	.13		.14	.94		T.				3.44
Parsons	Monongahela	.05						.01	T.		.40	T.					.90	1.85	.01				T.	.15	T.		.30						3.67
Parsons No. 2	do	.16					.31	.24	.02		.33	.13						2.60	.28					.14	.04		.65				T.		4.90
Philippi ‖‖	do	.44	.02					.18	.07		.41	.09	.06					1.87	.42					.06	.04								3.66
Pickens	do	.22					.38	.16	.57		.73	1.06					.65	2.05	.15			.03		.08			.92					.50	7.50
Roanoke	do						.13	.52	.05	T.	.32	.04					.44						T.	.10	T.		.47						2.07
Rockford	do	.10						.34	.04	.40	.35	.13					.36	.91	.03	.02			T.	T.			.47						3.15
Saint Marys ‖‖	Ohio	.45						.35	.41		1.31	.05					.05	.61					.02	.29	.12		.95	.02					4.63
Terra Alta	Monongahela							.30	.20	.10								2.20		.80					.40		.30	1.20			T.		5.50
Thomas ‖‖	do	.74	.01					.40	.05	.04	.29	.25						3.21	.54	.26				.10	.05		.13	.76					6.83
Valley Chapel	do	.10	T.					.57	.04		.26	.13					.30	.53	.13				T.	.09	.02		.40						2.57
Vandalia	do							.66			.26						.52	.88	.12									.58					3.02
Wellsburg	Ohio	.20						.72	.18		2.15	.12					.12	.70						.05	.13	T.	.70						5.07
West Milford	Monongahela	.37						.40	.10	.30	.18	.05					.25	.62	.19					.20	.05		.40						3.11
Weston ‖‖	do	.38	.04					.44	.05	.04	.46	.12	.02					.82	.24	.06				.12	.02		.28	.30					3.39
Wheeling (Dam 12) ‖‖	Ohio	.16						.57	.58	.07	1.03	.04					.02	.44	.38				T.	.05	.12		.77	.02					4.25
Woodlands ‖‖	do							.62	.59		1.48	.06						.54	.27	.05					.15		.63	.12					4.51
Southern Division																																	
Arbovale ‖‖	Gr. Kanawha						.15	.45	.05		.31	T.				T.	2.12	.21						.13			.36				T.		3.78
Bancroft	do	.10						.95		.10	1.24	.10						1.43						.10			.10						4.12
Beckley	do	.10					.15	.09	.03		.60	.07					.48	1 04	.09					.22	.03		.39	.04					3.33
Bluefield	do	.02						.03	T.		.76		.03				.92	.99		.14				.09	.02		.09						3.09
Camden-on-Gauley ‖‖	Gauley	.38					.37	.10		.16	.35	.15	.02					1.02	.40					.12	.03		.15	.55					3.80
Charleston	Gr. Kanawha					.05	.58	.01		.70	.11					.10	1.90	.34					.05	T.		.13	.39						4.36
Clay ‖‖	do	.32					.41	.40	.04	.03	.35	.11	.02				.02	1.63	.35					.04	.02		.01	.59					4.34
Dam 6 G. K. ‖‖	do	.21					.08	.84		.03	.26	.30	.03				.03	1.70						.02	.03		.08						3.61
Dam 19 O. R. ‖‖	Ohio	.17						.35	.34	T.	.28	.05	T.				.03	.86	.31				.02	.01	.12		1.06	.04		T.			3.64
Dam 20 O. R. ‖‖	do	.14						.46	.40	.04	.42	.04	.01				.02	.70	.18				.03	.24	.14	.60		.06					3.48
Dam 25 O. R. ‖‖	do	.20						.55	.32	.60	.54	.05					.12	1.30	.18				T.	.10	.18		.22	.16					4.52
Dam 26 O. R. ‖‖	do	.05						.65	.03	.30	.65	.02	.02				.10	1.34	.26				.04	.12	.02		.16	.10					3.86
Gary ‖‖	Big Sandy	.34						.05			.75	.05	.02				.38	.86	.24					.10			.01	.23					3.03
Hinton ‖‖	do	.50					.01	.25			.65	T.					.42	1.29	.15					.02			T.	.11					3.40
Huntington	Ohio	.11					.06	.90	.05	T.	1.04	.07					.80	.56	.03				.16	T.	.02		.51	T.					4.31
Kanawha Falls ‖‖	Gr. Kanawha	.03					.15	.04		T.	.31	.04	.13				.04	1.51	.48					.15	.01			.41					3.30
Kayford ‖‖	do	.10	T.				.11	.03	.05		.45		.23				.20	1.57	.44					.03	.07	.02	.01	.45	T.				3.76
Logan ‖‖	Guyandotte	.02	T				.10	.19			.17	.20					.29	.99	.26					.02	T.		.03	.32					2.59
London	Gr. Kanawha	.15					.17	.24			.28	.10	.10				.02	1.65	.48					.18	.01			.43					3.81
Madison	do															.26	1.43	.25					.05			.12						.46	2.57
Point Pleasant ‖‖	Ohio	.16						.48	.42	.20	.74		.04				.10	1.38	.30				.06	.14	.08		.38	.06					4.54
Rainelle	Meadow Creek	.12				T.	.09	.03	.01	.02	.63	.09					.66	1.35	.17					.06	T.		.35	.03	T.				3.61
Ravenswood (Dam 22	Ohio ‖‖	.18						.56	.41	.17	.86	.05	T.				.07	.83	.25					.10			.20	.15					3.83
Richwood	Gr. Kanawha	.07					.21	.18		.03	.52	.15					.37	1.40	.19					.09	.03		.57	.02					3 83
Robertsburg ‖‖	do							1.00	.01	.34	.47	.50	.02				.08	1.13	.17					.13	.02		.25	.06					4.18
Ryan	do	.10					.39	.67	.51	.04	1.51						.70	1.25					.04				.46						5.67
Sharples ‖‖	Coal River						T.			.50		.40						2.00							T.		.11	.33					3.34
Spencer ‖‖	Gr. Kanawha	.28						.98	1.00	.93	.05							1.47	.25					.07		.15	.29						5.47
Summersville ‖‖	do	.12									.75	.17					.60	.68									.63						2.95
Sutton	do	.10					.15	.65	.30		.30	.20					.40	1.25						.15			.40						3.90
Thornwood ‖‖	do								.12	.20	.29						2.60	.72					T.				.48						4.41
Union	do							.10	.11		.27					1.40	.20								.11		.15						2.34
Wayne ‖‖	Big Sandy							.50	.02		.51	.21					.17	.88	.19								.26	.27					3.01
White Sulpr. Spgs. ‖‖	Gr. Kanawha						.15		.10	.35							2.00	.20									T.						2.80
Williamson ‖‖	Big Sandy	T.					.03	.21			.18	.08	.02				.34	1.23	.22					.03			.04	.34					2.72

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for October 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	60	68	64	68	71	74	75	72	73	68	62	62	71	74	72	68	55	48	62	79	72	70	67	72	70	63	41	48	50	47	68	65.0
	Minimum	46	32	38	25	35	37	50	52	53	54	46	40	30	29	35	48	47	33	35	35	32	33	45	45	25	36	20	17	33	35	22	36.9
Brandywine	Maximum	75	80	76	74	70	76	78	83	78	75	76	78	70	74	75	72	72	54	75	80	74	70	75	72	69	65	54	55	63	51	64	71.1
	Minimum	50	41	42	33	42	50	58	59	62	58	50	43	34	39	42	50	48	42	35	42	40	45	42	40	30	46	26	18	28	40	20	41.8
Kearneysville	Maximum	70	71	67	67	65	73	80	72	72	80	77	71	62	72	72	75	72	72	70	78	76	79	71	69	62	62	47	50	60	53	57	68.5
	Minimum	52	44	53	38	44	47	62	62	63	65	55	48	38	44	54	62	58	42	42	41	48	54	49	47	34	46	27	24	28	42	28	46.5
Martinsburg*	Maximum	70	74	72	72	70	70	80	78	72	80	80	73	65	72	75	72	74	60	72	72	80	80	72	65	65	65	65	50	62	50	..	70.2
	Minimum	48	48	47	40	40	42	48	62	63	63	58	50	42	42	50	55	58	45	40	40	42	45	55	38	35	40	28	24	26	32	30	44.4
McNeill	Maximum	67	75	72	75	77	81	84	80	72	80	70	72	76	80	79	70	70	59	72	68	82	82	70	67	70	62	47	60	61	55	70	71.8
	Minimum	48	46	42	36	40	44	59	58	39	61	55	46	32	35	43	53	55	43	33	32	42	43	50	45	29	24	20	15	27	40	18	40.4
Piedmont	Maximum	62	72	68	71	74	76	76	75	68	72	69	68	64	71	74	64	66	60	67	80	79	72	52	59	61	53	41	48	55	44	57	65.1
	Minimum	49	41	47	44	50	56	62	61	62	61	52	48	41	40	48	55	57	40	39	39	41	45	50	48	29	49	24	22	32	42	28	45.2
Romney	Maximum	67	74	72	72	75	79	83	80	75	80	74	76	69	78	79	72	69	60	72	82	81	82	70	62	67	62	48	55	60	57	66	70.9
	Minimum	49	43	52	38	44	46	60	60	65	60	55	52	37	40	49	54	57	44	37	37	41	45	50	47	34	46	24	21	28	44	25	44.6
Wardensville	Maximum	64	67	70	..	69	70	77	75	78	..	78	63	68	77	73	71	66	69	57	81	68	77	77	54	60	64	62	45	53	59	49	66.9
	Minimum	48	40	49	..	54	47	52	50	52	..	52	47	28	38	48	54	56	44	52	57	45	47	53	43	32	42	26	19	26	38	21	43.6
Northern Division																																	
Alpena	Maximum	56	68	64	69	71	73	72	73	74	68	65	61	73	74	71	61	59	44	63	78	72	69	60	55	68	61	45	50	49	45	66	63.8
	Minimum	50	37	40	39	40	46	55	55	53	53	43	40	31	31	42	50	42	34	37	33	37	41	49	42	26	35	22	12	32	33	19	38.7
Bens Run	Maximum	61	58	58	77	79	81	80	76	84	73	64	56	77	77	78	68	63	52	80	80	61	62	63	49	71	59	42	44	53	53	53	65.5
	Minimum	55	46	46	43	52	54	62	65	65	61	52	47	45	46	48	59	50	46	48	60	60	41	47	43	38	41	32	31	36	36	29	47.9
Buckhannon	Maximum	65	65	64	70	74	74	77	76	80	70	70	64	72	74	74	71	63	53	66	76	74	72	69	54	68	65	44	54	55	52	63	66.7
	Minimum	53	45	46	35	46	47	58	60	60	58	50	42	39	40	44	55	50	40	40	38	39	45	45	45	32	40	26	25	37	40	23	43.3
Cairo	Maximum	64	65	66	77	75	79	83	80	82	82	72	70	78	80	82	82	80	72	70	78	82	78	67	63	64	79	49	50	57	60	60	71.8
	Minimum	55	45	36	33	45	48	60	63	65	61	41	40	41	39	46	45	45	38	32	38	41	45	48	54	42	32	32	25	30	39	22	42.8
Clarksburg *	Maximum	60	68	67	78	77	82	79	76	81	71	58	67	75	77	76	66	62	59	67	78	75	67	54	59	70	62	61	50	56	48	62	67.4
	Minimum	55	46	39	34	37	47	48	63	62	61	53	45	38	39	44	49	58	41	39	40	39	45	47	47	36	38	32	21	26	40	21	42.9
Crestou	Maximum	62	63	64	78	79	83	81	80	86	83	79	70	70	70	80	70	75	75	73	83	70	75	70	70	62	71	65	60	59	55	63	71.7
	Minimum	55	45	40	43	50	48	50	60	50	50	65	43	55	40	40	50	50	45	50	63	56	42	50	45	41	41	35	30	32	46	37	46.7
Elkins	Maximum	59	65	63	72	71	76	76	75	76	69	59	64	73	74	74	64	60	48	65	80	74	70	59	54	70	67	45	50	52	49	67	65.2
	Minimum	53	44	39	35	45	56	59	60	60	58	47	45	38	38	47	57	42	39	41	35	39	45	48	36	32	31	25	23	36	29	23	42.1
Fairmont	Maximum	61	74	72	79	81	85	79	78	85	73	61	70	82	84	79	68	64	59	75	85	76	68	54	65	75	61	61	57	61	47	68	70.5
	Minimum	56	47	44	40	42	53	59	63	65	61	52	45	41	42	46	53	49	39	41	43	46	51	46	46	37	38	30	27	30	40	25	45.1
Glenville	Maximum	62	68	72	76	75	83	80	81	84	76	68	74	77	79	80	70	60	52	70	79	75	72	64	60	75	74	49	55	60	56	70	70.2
	Minimum	55	48	43	38	47	50	61	63	65	60	52	46	41	43	42	55	49	42	39	38	41	45	48	46	37	42	33	26	36	43	23	45.1
Grafton	Maximum	61	71	69	77	78	82	78	76	81	78	68	70	79	80	78	71	63	51	70	78	79	71	64	61	75	66	49	54	58	50	66	69.4
	Minimum	55	46	48	37	46	50	60	65	63	61	54	47	40	41	46	57	50	36	46	38	40	46	41	39	34	41	29	25	39	42	23	44.7
Lost Creek	Maximum	64	75	71	79	80	87	80	82	80	73	67	72	80	84	76	70	63	50	74	87	80	75	70	60	74	71	52	50	57	54	58	70.8
	Minimum	54	45	41	32	44	47	58	62	65	53	57	44	39	39	42	55	49	40	40	37	40	46	50	46	33	41	30	21	31	40	20	43.3
Mannington	Maximum	59	66	64	70	74	77	76	74	80	74	66	65	72	74	73	69	61	52	65	75	74	68	63	57	68	62	41	50	56	54	61	65.8
	Minimum	55	44	41	34	44	47	59	62	61	60	52	44	38	39	44	56	52	36	37	37	39	43	46	46	32	40	30	24	30	41	21	43.0
Morgantown	Maximum	79	80	79	80	78	75	80	75	66	58	58	68	70	65	60	60	59	57	52	53	55	54	55	56	70	64	40	45	61	70	69	64.2
	Minimum	48	46	46	47	46	45	45	48	40	35	36	40	38	41	40	40	39	36	36	34	39	35	35	36	33	26	26	26	30	35	37	38.5
New Cumberland	Maximum	61	64	64	73	78	80	75	71	82	73	64	57	73	76	80	68	63	53	69	79	83	68	68	68	68	61	45	49	58	54	60	67.3
	Minimum	50	43	40	38	44	40	40	62	57	62	50	46	36	44	52	53	49	43	37	50	47	47	43	35	34	35	28	23	35	39	26	42.8
New Martinsville	Maximum	60	65	66	73	77	80	75	74	86	75	66	68	78	77	74	75	68	64	68	70	76	70	52	60	70	60	44	49	58	58	61	67.6
	Minimum	56	46	44	41	48	54	62	64	63	62	44	45	41	45	51	61	51	40	40	43	48	49	47	43	37	40	31	28	34	43	25	46.0
Parkersburg	Maximum	60	70	67	76	78	83	78	76	82	71	60	70	77	77	76	64	62	49	70	78	77	69	51	60	71	62	43	49	60	50	63	67.1
	Minimum	50	46	45	39	54	61	64	66	65	56	50	48	44	47	55	59	46	42	44	49	53	51	46	42	37	36	31	27	39	32	29	46.9
Parsons	Maximum	57	70	68	76	76	73	79	76	78	78	65	65	77	79	76	60	60	61	67	81	77	72	59	59	74	65	45	54	55	51	71	67.9
	Minimum	55	46	40	36	45	48	58	58	60	56	49	45	40	40	45	57	45	48	40	35	40	44	48	38	34	34	27	23	34	31	22	42.6
Pickens	Maximum	58	65	61	70	71	74	73	70	76	67	58	61	71	73	..	70	60	49	62	76	70	71	65	59	67	59	55	52	50	45	52	63.7
	Minimum	49	49	41	36	48	54	58	59	58	52	52	38	38	42	..	51	41	35	40	39	47	52	47	37	33	35	22	21	34	27	43	42.6
Terra Alta	Maximum	53	62	..	77	75	69	74	71	69	69	..	60	60	69	70	70	62	..	50	61	75	70	63	48	50	62	62	57	42	45	45	62.1
	Minimum	36	38	..	39	34	40	51	51	58	60	..	40	33	32	35	41	53	..	35	39	37	40	43	41	28	27	21	18	20	34	22	37.4
Wellsburg	Maximum	61	65	68	75	80	80	75	74	83	75	66	62	74	76	78	68	63	52	69	79	70	68	58	59	69	62	44	50	58	55	62	67.0
	Minimum	53	42	38	34	41	55	58	58	60	63	51	47	35	41	45	53	52	40	36	40	44	45	44	38	31	38	26	22	33	41	22	42.8
Wheeling (Dam 12)	Maximum	59	67	67	74	79	81	76	75	84	70	56	67	67	77	78	66	60	54	70	79	75	69	51	64	72	59	44	52	58	48	62	66.5
	Minimum	46	41	40	39	49	55	58	64	61	54	45	42	40	45	46	40	42	40	43	48	51	46	41	37	36	31	27	26	27	30	27	42.5
Southern Division																																	
Beckley	Maximum	57	68	65	72	75	74	80	80	78	73	64	66	73	74	70	64	61	53	69	81	75	76	67	58	73	62	43	53	54	49	67	66.9
	Minimum	50	49	35	37	38	54	59	61	62	56	48	38	37	45	53	55	44	36	41	40	42	51	49	44	38	41	29	27	34	39	24	43.7
Bluefield	Maximum	61	69	66	..	69	70	80	77	75	70	..	70	70	70	69	64	62	..	67	78	74	76	71	63	..	71	49	56	56	50	66	67.4
	Minimum	51	50	42	..	42	58	62	64	62	57	..	40	39	48	56	55	53	..	37	42	44	52	56	47	..	44	30	28	39	39	28	46.9
Charleston	Maximum	61	67	70	75	79	82	81	81	84	78	74	71	77	79	77	64	66	66	71	79	77	72	55	60	70	64	50	50	58	54	66	69.6
	Minimum	50	47	52	42	55	61	63	65	61	64	45	46	47	52	53	59	48	41	45	47	49	50	48	51	43	35	34	31	34	40	32	48.1
Gary *	Maximum	63	68	.	75	77	75	83	82	82	73	61	68	77	77	75	67	67	59	70	82	77	77	66	57	78	68	45	57	58	54	73	69.7
	Minimum	55	54	57	..	41	50	57	60	63	59	55	40	40	41	44	48	58	42	42	41	41	43	50	50	47	55	36	30	36	35	28	46.6
Hinton *	Maximum	60	71	66	70	70	71	81	81	76	73	60	68	73	74	70	57	61	59	69	77	77	80	63	51	70	58	48	59	62	57	69	67.1
	Minimum	53	54	48	43	47	50	57	59	60	60	53	39	40	43	44	53	56	40	39	41	41	45	49	49	42	48	34	27	33	39	28	45.6
Huntington	Maximum	69	71	73	79	80	81	73	81	81	76	68	74	80	82	80	71	60	59	77	84	80	66	62	63	69	65	51	53	61	60	63	70.7
	Minimum	57	48	43	43	53	56	55	64	66	61	56	46	47	48	52	60	53	39	42	46	48	55	50	48	42	44	35	29	39	44	32	48.4
Madison	Maximum	60	70	72	79	82	..	83	85	89	..	75	73	79	81	77	62	67	59	..	80	79	78	54	59	76	64	48	51	60	56	67	70.2
	Minimum	51	47	39	48	52	..	59	65	59	..	40	41	42	44	49	58	38	42	..	42	45	50	47	43	52	35	30	31	37	31	28	44.5
Point Pleasant	Maximum	61	74	73	80	81	84	81	82	86	82	69	74	80	81	78	74	64	53	77	84	80	74	66	63	73	67	47	54	62	59	61	71.7
	Minimum	55	45	39	35	49	55	63	64	65	60	53	45	43	45	51	58	50	38	38	45	47	53	45	42	37	45	33	26	35	41	28	46.1
Rainelle	Maximum	54	68	65	70	78	72	76	78	74	70	62	66	70	71	69	63	63	52	68	65	74	76	65	55	68	61	49	56	60	48	61	65.4
	Minimum	50	47	38	34	40	54	55	56	59	58	47	34	32	36	48	55	44	36	35	32	37	42	51	45	36	35	27	25	35	32	21	41.2
Ravenswood	Maximum	72	72	74	77	80	86	84	85	87	89	80	72	78	82	82	80	75	64	72	81	82	83	76	64	73	73	72	56	63	63	65	75.5
	Minimum	55	44	37	34	50	58	62	63	63	60	53	47	44	43	55	59	55	40	39	49	46	46	46	43	35	43	32	26	31	42	25	46.0
Richwood	Maximum	61	70	70	71	76	76	80	82	82	74	68	69	77	79	74	68	66	52	72	86	80	77	74	69	76	64	48	50	53	50	65	69.6
	Minimum	52	50	42	38	39	48	61	60	58	58	49	38	36	42	54	57	48	38	40	37	42	48	52	46	35	43	28	26	38	37	24	44.0
Robertsburg*	Maximum	..	..	..	..	..	79	83	82	86	80	67	71	79	80	75	70	66	58	70	76	72	74	68	66	76	70	62	56	58	55	61	70.8
	Minimum	..	..	..	..	54	..	62	64	64	60	55	45	44	45	48	54	59	40	41	45	48	53	49	48	38	42	35	29	30	43	29	47.1
Spencer *	Maximum	60	71	72	78	79	84	81	81	81	73	59	72	79	80	76	64	76	50	62	51	79	68	62	60	75	66	45	60	55	55	65	68.4
	Minimum	57	46	40	35	52	56	62	63	58	61	54	46	42	42	46	52	58	41	41	48	49	51	48	37	40	46	32	27	40	25	27	45.9
Sutton	Maximum	66	68	68	78	28	81	81	79	83	83	73	72	79	80	80	76	60	52	72	81	81	77	71	60	67	67	48	51	57	57	64	70.6
	Minimum	55	55	45	38	48	53	52	62	63	61	54	41	41	42	46	57	52	43	41	39	41	46	49	48	39	48	32	25	38	43	24	45.8
Union	Maximum	60	69	71	..	70	74	81	81	76	76	.	73	72	73	72	69	66	..	70	80	84	78	78	69	..	71	56	56	64	55	67	70.8
	Minimum	51	51	43	..	40	56	58	58	60	59	..	40	36	42	53	57	54	..	40	36	40	44	50	43	..	41	32	24	43	40	23	45.0
White Sulphur Spgs.	Maximum	61	69	67	68	71	74	76	80	80	72	65	67	70	70	70	61	62	66	70	76	75	79	69	65	70	66	49	58	58	54	67	67.9
	Minimum	50	44	39	42	58	58	56	62	60	52	42	34	38	49	57	56	40	35	34	38	45	54	51	41	42	34	34	22	41	41	23	44.3
Williamson*	Maximum	63	69	72	77	80	78	84	83	86	74	61	71	78	79	76	66	69	62	75	80	78	77	56	54	79	65	62	56	60	59	69	70.9
	Minimum	57	51	48	44	46	53	60	63	65	60	55	43	44	45	46	53	59	38	40	44	45	48	52	49	48	49	37	32	34	38	32	47.7

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.070	.047	.052	.084	.052	.078	.051	.089	.055	.135	.064	.088	.090	.074	.065	.058	.007	.059	.036	.050	.055	.059	.001	.023	.034	.026	.075	.040	.024	.018	.047	1.806
	Wind movement	21	35	17	35	4	15	31	32	3	20	120	99	71	21	15	17	36	122	62	32	11	20	31	31	19	22	98	24	46	157	82	1,349

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 11-24-36—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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R. P. POWELL

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VOL. XLIV PARKERSBURG, W. VA., NOVEMBER 1936 No. 11

GENERAL SUMMARY

Temperatures were below the seasonal normal through nearly the entire month, only a few days were above normal. The warmest weather occurred in practically all districts on the 2d or 3d, and the coldest on the 19th, and from the 27th to the close of the month. Temperatures were unusually low on the mornings of the 19th and 28th, with a low reading of 1 degree at Rainelle on the 28th. The average precipitation was slightly less than the normal, and was unfavorably distributed, as about 80 percent of the month's precipitation fell during the first five days. From the 6th to the close of the month very little precipitation occurred in any section of the State, and there were a number of stations that had from 12 to 15 consecutive days without measurable precipitation. The greatest monthly amounts of precipitation were received in the central and Ohio River counties, and the least in the northeastern panhandle section. While the snowfall averaged somewhat below normal, the amounts were moderately heavy in scattered localities of the mountain districts, and fell mostly on the 15th, 26th, and 27th. Weather conditions were generally favorable for field work, and harvesting of corn and potatoes progressed rapidly, and was nearing completion at the close of the month. Winter grains were mostly in good condition, and pastures were green in many localities as the month closed.

TEMPERATURE

The average temperature for the northeastern panhandle division was 41.4°, or 1.1° below normal; for the northern division, 40.6°, or 2.5° below normal; for the southern division, 42.2°, or 1.5° below normal; and for the State, 41.3°, or 2.0° below normal. The highest monthly mean temperature was 44.5° at Ravenswood, and the lowest, 36.4° at Alpena. The highest temperature was 85° at Hinton on the 3d, and the lowest was 1° at Rainelle on the 28th, making the monthly range for the State 84°. The greatest daily range was 50° at Lost Creek on the 11th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.27 inches, or 0.88 inch below normal; for the northern division, 2.93 inches, or 0.02 inch below normal; for the southern division, 2.56 inches, or 0.15 inch below normal; and for the State, 2.54 inches, or 0.22 inch below normal. The greater portion of the precipitation was received from the 1st-6th, 9th, and 26th, the greatest amounts being measured on the 2d, 4th, and 5th. The greatest monthly precipitation was 4.19 inches at Point Pleasant, and the least, 0.59 inch at Kearneysville. The average snowfall, 1.8 inches, was 0.4 inch less than normal. The greatest monthly snowfall was 16.0 inches at Davis. The greatest amount of precipitation in any 24 consecutive hours was 2.49 inches at Cairo on the 4th.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 4th, 1; 6th, 6; 7th, 8; 8th, 8; 9th, 5; 11th, 11; 12th, [illegible]; 13th, [illegible]; 14th, 12; 15th, 1; 17th, 1; 18th, 1; 19th, 2; 20th, 4; 22d, 1; 23d, 4; 25th, 4; 29th, 2; 30th, 4.

Halo, lunar: 15th, 1 (Grafton).

Corona, lunar: 27th, 1 (Huntington).

Sleet: 2d, 1 (Wellsburg).

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.17	30.62	18	29.66	14	8.6	24	w.	16	83	60	67	58
Columbus, Ohio	30.14	30.66	18	29.61	14	10.1	31	s.	28	76	64	68	44
Elkins	30.17	30.61	18	29.63	14	7.3	28	w.	14	82	60	72	46
Parkersburg	30.18	30.67	18	29.62	14	7.1	27	nw.	15	85	61	69	39
Pittsburgh, Pa	30.09	30.65	18	29.48	15	12.8	34	nw.	15	78	62	67	54
Wytheville, Va	30.15	30.54	11	29.58	15	8.5	32	w.	28	78	54	67	58

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	......	......	......
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	......	......	......	......
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	.....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	......	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43 3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4 51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3 10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
Period	43.3	88	−14	2.15	2.95	2.71	2.76	2.2	9	11	7	12

Climatological Data for November 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	37.8	−1.3	75	3	7	19	46	2.32	−0.68	0.62	5.0	9	12	5	13	w.	Lewis T. Clark
Brandywine††	Pendleton	1,586	20	41.5	−0.5	72	3	10	19	43	.75	−1.03	.30	T.	5	23	0	7	n.	Elmer Keister
Circleville	Pendleton	....	4	....	....	....	....	....	....	....	1.73	....	.54	1.1	10	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	....	....	....	....	....	....	....	.83	−1.35	.45	.0	6	....	....	....	....	Sherman Harrison
Kearneysville	Jefferson	548	6	42.4	....	78	3	15	19	33	.59	....	.50	.0	2	14	8	8	nw.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	^{a}42.4	−0.8	^{a}80	3	18	19	^{a}40	.94	−1.31	.38	T.	6	24	6	0	w.	Dr. H. S. Gardner
McNeill	Hardy	900	40	41.8	−0.9	83	3	7	19	48	1.18	−0.37	.63	T.	3	10	8	12	w.	D. M. McNeill
Piedmont	Mineral	1,053	23	41.1	−1.1	72	3	15	19	32	1.04	−0.85	.50	T.	3	9	11	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	38	42.6	−0.5	82	3	13	19	42	1.53	−0.20	.65	T.	6	8	10	12	....	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	....	....	....	....	....	....	....	1.80	−1.15	.55	8.5	8	....	....	....	w.	A. C. Becker
Upper Tract ^{d}	Pendleton	1,230	37	43.4	−0.4	78	3	12	†19	46	1.12	−0.41	.54	....	3	17	3	6	....	Mrs. J. M. Mallow
Wardensville ^{b}	Hardy	1,200	15	39.5	−4.4	76	3	10	19	47	.82	−0.81	.49	T.	8	6	12	10	....	Reymann Memorial Farm
Division averages	and extremes	....	....	**41.4**	**−1.1**	**83**	**3**	**7**	**19**	**48**	**1.27**	**−0.88**	**.65**	**1.5**	**6**	**13**	**8**	**9**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	....	....	....	....	....	....	....	3.03	−0.01	1.70	.7	8	5	10	15	w.	L. Else Bond
Alma (near)	Tyler	800	9	....	....	....	....	....	....	....	3.33	....	2.03	1.0	8	15	3	12	....	D. N. Furbee
Alpena	Randolph	2,571	6	36.4	....	70	3	9	†19	46	3.34	....	.65	13.0	10	10	13	7	....	Christian Hertig
Benson	Harrison	1,080	12	40.9	−2.2	75	2	11	30	45	3.32	−0.17	1.70	.7	8	9	10	11	....	R. D. Marts
Bens Run	Tyler	652	34	40.8	−3.3	71	†2	19	27	24	.91	−1.98	.40	1.3	6	17	10	3	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	....	....	....	....	....	....	....	3.09	−0.58	1.75	.2	6	18	6	6	....	W. B. Worley
Buckhannon	Upshur	1,411	39	42.0	−0.2	77	†2	16	28	39	3.09	−0.01	1.70	.5	7	14	6	10	....	H. A. Darnall
Cairo	Ritchie	680	35	40.9	−2.8	74	3	12	25	47	3.98	+1.10	2.49	.0	6	12	6	12	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	37.9	−4.9	76	2	13	30	39	2.84	−0.35	1.23	T.	6	8	9	13	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	13	....	....	....	....	....	....	....	2.81	−0.83	1.77	.5	8	10	11	9	nw.	George W. Blair
Creston	Wirt	640	34	41.6	−2.6	74	†2	11	†27	45	2.74	−0.01	1.24	T.	3	16	3	11	....	P. M. Basnett
Dam 10 Mon. R.	Marion	826	15	....	....	....	....	....	....	....	3.28	+0.13	1.32	T.	9	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	20	....	....	....	....	....	....	....	3.13	+0.75	1.06	T.	6	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Marion	882	15	....	....	....	....	....	....	....	2.97	−0.32	1.27	.5	7	....	....	....	....	Lockmaster
Davis	Tucker	3,093	27	....	....	....	....	....	....	....	2.54	−0.16	1.20	16.0	10	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	24	....	....	....	....	....	....	....	2.90	+0.36	1.30	.0	5	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	35	38.6	−1.7	76	3	14	19	41	2.61	−0.17	1.06	1.8	12	4	12	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	30	40.8	−2.1	77	2	16	27	44	3.06	+0.30	1.30	1.5	8	11	6	13	w.	J. C. Robinson
Glenville	Gilmer	738	42	43.0	−1.3	78	2	15	30	45	3.52	+0.47	1.54	1.0	9	7	2	21	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	41.5	−1.6	80	2	15	30	44	2.71	+0.28	1.17	T.	9	15	6	9	....	W. E. Clayton
Hastings	Wetzel	809	1	44.2	....	77	†2	20	27	39	3.53	....	1.73	.8	8	11	4	15	w.	L. G. McIntyre
Horner	Lewis	1,044	13	....	....	....	....	....	....	....	1.77	−2.02	.82	....	4	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	13	42.4	−2.4	79	2	13	30	42	2.91	−0.41	1.60	.5	6	15	6	9	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	41.2	−1.4	80	2	11	30	50	2.80	−0.01	1.60	T.	7	12	5	13	w.	Allen Smith
Mannington	Marion	985	33	39.3	−2.7	73	3	9	27	38	3.17	+0.13	1.73	2.1	9	9	9	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	43	40.4	−3.4	73	2	14	19	36	1.86	−0.67	.60	T	6	13	5	12	sw.	Bruce Davis
New Cumberland	Hancock	671	38	39.8	−1.8	72	3	15	†19	35	2.81	+0.49	1.95	.1	8	12	6	12	nw.	C. O. Valentine
New Martinsville	Wetzel	634	42	41.8	−3.0	72	3	18	27	35	3.41	+0.57	1.95	.5	6	9	5	16	n.	Wm. Ankrom
Parkersburg	Wood	615	49	40.9	−2.9	71	3	19	27	35	2.56	−0.01	1.64	.1	6	8	10	12	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	36	39.8	−1.4	76	3	15	19	43	3.03	+0.10	1.25	1.5	6	7	8	15	....	J. W. Swisher
Parsons No. 2††	Tucker	1,649	10	....	....	....	....	....	....	....	2.32	−0.61	.83	3.0	7	15	8	7	....	Robert T. Deem
Philippi	Barbour	1,550	39	....	....	....	....	....	....	....	2.98	+0.05	.76	T.	9	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	33	^{a}38.4	−2.0	^{a}74	3	^{a}9	28	^{a}41	3.37	−0.85	.85	13.0	7	10	6	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	13	....	....	....	....	....	....	....	3.19	−0.18	1.72	3.7	6	15	5	10	....	Miss Mary A. Conrad
Terra Alta ^{c}	Preston	2,559	35	....	....	^{c}68	2	^{c}11	†19	^{c}43	3.18	−0.02	1.10	8.0	7	^{b}4	^{b}5	^{b}19	w.	Ernest Naedele
Thomas	Tucker	2,950	7	....	....	....	....	....	....	....	2.43	....	.68	8.5	7	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	13	41.6	−3.4	76	2	14	30	37	3.11	−0.16	1.55	1.5	10	11	10	9	sw.	J. C. Campbell
Vandalia	Lewis	1,120	13	....	....	....	....	....	....	....	2.75	−0.63	1.80	....	5	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	29	38.8	−3.0	72	3	14	19	41	3.30	+0.73	1.96	T.	5	13	6	11	w.	George P. Pfister
West Milford	Harrison	979	11	....	....	....	....	....	....	....	3.05	−0.55	1.65	....	7	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	43.9	−0.1	80	2	18	30	39	3.16	+0.22	1.40	.5	10	2	15	13	....	A. Henry
Wheeling (Dam 12)	Ohio	659	49	39.0	−3.2	72	3	18	†19	42	2.95	+0.48	1.15	T.	8	9	6	15	sw.	Lockmaster
Woodlands	Marshall	637	9	....	....	....	....	....	....	....	3.33	....	1.25	T.	6	....	....	....	sw.	R. W. Rist
Division averages	and extremes	....	....	**40.6**	**−2.5**	**80**	**2**	**9**	**†19**	**50**	**2.93**	**−0.02**	**2.49**	**2.1**	**7**	**11**	**7**	**12**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	....	....	....	....	....	....	....	1.22	....	.46	2.5	7	....	....	....	....	H. S. Sutton
Bancroft	Putnam	574	32	44.4	−0.3	76	3	18	30	39	3.32	+0.70	1.54	1.0	8	14	0	16	w.	Charles N. Long
Beckley	Raleigh	2,440	33	40.0	−0.3	77	3	9	28	33	2.21	−0.38	.89	1.4	11	9	12	9	....	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	41	43.5	−1.4	76	†2	12	28	31	1.25	−0.80	.40	1.0	8	13	5	7	....	Norfolk & Western Ry.
Charleston	Kanawha	600	33	43.4	−4.5	78	†2	21	28	35	2.96	−0.11	1.46	1.0	9	15	2	13	....	S. E. Damron
Clay ††	Clay	706	20	....	....	....	....	....	....	....	2.97	+0.07	1.54	.7	10	....	....	....	....	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	....	....	....	....	....	....	....	2.70	+0.12	1.29	3.0	6	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	20	....	....	....	....	....	....	....	3.01	+0.67	1.20	....	5	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	20	....	....	....	....	....	....	....	2.99	+0.29	1.17	.5	6	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	9	....	....	....	....	....	....	....	3.52	....	1.50	.0	7	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	20	....	....	....	....	....	....	....	3.89	+1.21	1.60	....	6	....	....	....	....	U. S. Engineers Office
Gary	McDowell	1,426	20	41.5	−3.5	82	3	13	28	39	1.59	−1.11	.63	T.	8	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	^{f}44.0	−0.1	85	3	^{f}21	19	^{f}41	1.06	−1.35	.39	.5	9	17	4	9	....	Mrs. M. L. McClung
Huntington	Cabell	538	39	44.2	−0.1	74	2	20	30	35	3.57	+1.05	2.40	1.7	8	6	13	11	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	17	....	....	....	....	....	....	....	1.95	−1.18	1.00	2.5	10	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	20	....	....	....	....	....	....	....	2.29	−0.86	1.12	3.0	10	....	....	....	....	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	36	41.2	−0.7	74	3	15	28	28	.97	−1.51	.34	T.	10	10	12	8	....	J. K. Monroe
Logan	Logan	700	33	....	....	....	....	....	....	....	2.16	−1.07	1.68	.8	7	....	....	....	....	Paul A. Simonds
London	Kanawha	623	0	43.8	....	82	3	16	†28	38	2.33	....	1.40	1.2	11	12	0	18	se.	Lockmaster
Madison	Boone	675	15	^{b}41.4	−2.1	^{b}80	2	^{b}15	27	^{b}36	2.52	−0.13	1.40	1.5	5	8	11	11	....	C. B. Whitlock
Point Pleasant	Mason	595	43	42.7	−2.6	71	3	15	30	41	4.19	+1.36	1.86	T.	9	12	4	14	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	37.4	....	77	3	1	28	40	2.68	....	.62	10.0	13	13	0	17	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	44.5	−1.2	75	2	14	30	42	3.78	+1.06	1.80	.0	7	11	6	13	nw.	Lockmaster
Richwood	Nicholas	2,193	6	40.8	....	75	3	9	28	35	2.44	....	.61	7.2	13	12	8	10	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	41.5	−2.1	74	3	16	30	45	3.53	+0.98	1.41	.0	7	15	0	15	....	M. Frazier
Ryan	Roane	700	33	41.4	−2.0	75	2	13	30	44	3.25	+0.38	1.90	2.7	9	13	6	11	....	Wm E. Ryan
Spencer	Roane	789	32	41.6	−2.5	77	2	16	30	42	3.29	+0.62	1.10	1.0	7	8	9	13	....	A. M. McKown
Summersville	Nicholas	1,894	3	....	....	....	....	....	....	....	2.60	....	1.09	4.0	7	....	....	....	....	Mrs. Ella E. Taylor
Sutton	Braxton	850	30	43.4	−0.6	70	†3	16	30	46	3.30	+0.10	2.05	2.5	8	21	0	9	....	C. B. Eakle
Union ^{e}	Monroe	2,250	32	41.2	−1.2	75	3	12	28	36	.93	−1.41	.43	.0	4	17	8	0	....	C. B. King
Wayne	Wayne	598	9	....	....	....	....	....	....	....	3.24	....	2.39	....	9	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	26	40.6	−1.5	82	3	11	27	41	.75	−1.53	.40	.0	3	21	4	5	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	43.4	−2.2	79	3	18	28	40	2.19	−0.63	1.05	.2	10	8	5	17	se.	J. E. Dotson
Division averages	and extremes	....	....	**42.2**	**−1.5**	**85**	**3**	**1**	**28**	**46**	**2.56**	**−0.15**	**2.40**	**1.6**	**8**	**13**	**6**	**11**	**sw.**	
State averages and	extremes	....	....	**41.3**	**−2.0**	**85**	**3**	**1**	**28**	**50**	**2.54**	**−0.22**	**2.49**	**1.8**	**7**	**12**	**6**	**12**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for November 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.14			.62	.33			.33							.27	.24								.27		.08				.04		2.32
Brandywine	do		.15		.15	.30			.05				T.			T.									.10			T.					.75
Circleville ‖	do	T.	.34		.14	.54								T.	.18	.14	.09						T.		.08	.04	.06	.12	T.				1.73
Harpers Ferry ‖	do		.04	.01	T.	.45				.27				.02											.04								.83
Kearneysville	do		T.		.09				.50				T.																				.59
Martinsburg ‖	do		.05		.12	.38				.15				.04		T.	T.								.20								.94
McNeill	do	T.	T.	T.	.63	.45			.10				T.			T.											T.	T.	T.		T.		1.18
Piedmont	do				.50	.45			T.	.09						T.							T.		T.								1.04
Romney	do		.25		.65	.37			.12							.04	T.								.15			T.					1.58
Stony River Dam ‖	do		.10		.20	.26				.55						.32									.16		.05	.16					1.80
Upper Tract	do			T.	.54	.42			T.	.16						T.												T.	T.				1.12
Wardensville ‖	do		.04	.04	.10	.49				.09				.02	T.	.02	T.								.02			T.					.82
Northern Division																																	
Aberdeen	Monongahela	.23	.06		1.70	.50			.36	T.						.11							T.		T.	T.	.02	.05	T.				3.03
Alma (near)	Ohio	.35	.24	.30	2.03	.17			.16							.06											.02						3.33
Alpena	Monongahela	.65	.11		.43	.31			.43							.18	.22						T.		.49		.22	.30					3.34
Benson	do	.45		.05	1.70	.56			.25							.20									.03			.08					3.32
Bens Run	Ohio	.21	.40	.17		.06										.03										T.	.04						.91
Brownsville	Monongahela	.45			1.75	.45			.37																.05		.02						3.09
Buckhannon	do	.40	.06		1.70	.30			.25							T.									.28		.10						3.09
Cairo	Litl.Kanawha	.30	.31		2.49	.45			.20																.23								3.98
Clarksburg ‖	Monongahela	.01	.46		.79	1.23				.29						.06											T.	T.					2.84
Crawford	do	.18	.17		1.77	.29			.22							.09									.02		.07	T.					2.81
Creston ‖	Litl.Kanawha	.40			1.24	1.10			T.							T.						T.					T.	T.					2.74
Dam 10, Mon. R. ‖	Monongahela	.28	.36	.02	.88	1.32				.26						.06	.04						.06		T.								3.28
Dam 13, O. R. ‖	Ohio	.06	.56	.32	1.06	1.06										.07	T.										T.	T.					3.13
Dam 15, Mon. R. ‖	Monongahela		.25	.10	1.04	1.27				.22						.05	T.										T.	.04					2.97
Davis ‖	do				.18	1.20										.20	.19	.21					.05		.09	T.	.09	.12	.21				2.54
Elizabeth (D'm 3 LK)	Litl.Kanawha	.40	T.	1.30	.98				.18						.04																		2.90
Elkins***	Monongahela	.45	.04	.22	.93	.02			.39						.04	.15	T.					T.		.25	T.	.02	.07	.03			T.		2.61
Fairmont ‖	do	.27	.10	.97	1.30				.21						.08	.05								T.		T.	.08	T.	T.		T.		3.06
Glenville ‖	Litl.Kanawha	.13	.36		.88	1.54				.33						.14	T.								T.	.03	.04	.07	T.				3.52
Grafton	Monongahela	.36	.03	.83	1.17	.01			.19						.01	.09						T.				.02	T.						2.71
Hackers Creek	do	.41		.39	1.34	.16			.27							.19																	2.76
Hastings	Ohio	.22	.71	.09	1.73	.54			.12							.05										T.	T.	.07	T.				3.53
Horner	Monongahela					.50			.82																	.25		.20					1.77
Ireland	do	.14	.36						.18																		.24	.16					1.08
Jackson's Mill	do	.45		.10	1.55	.35			.30							.10											T.						2.85
Jane Lew	do	.28			1.60	.50			.35							.10												.08					2.91
Lost Creek	do	.40	.04	.03	1.60	.32			.30							.11									T.		T.	T.	T.				2.80
Mannington	do	.22	.28	.18	1.73	.36			.19							.13	T.								T.	T.	.01	.07	T.				3 17
Morgantown	do	.10	.45	.30	.12	.60			.29							T.	T.						T.			T.	T.	T.					1.86
New Cumberland	Ohio	.02	.49	.15	1.95	.12				.01						.06	T.						T.		.01								2.81
New Martinsville	do	.55	.42	.22	1.95	.22										T.										T.	T.	.05	T.				3.41
Parkersburg***	do	.45	.26	.45	1.36				.03						T.	T.						T.			T.	T.	.01	T.					2.56
Parsons	Monongahela	.80		T.	1.25	.05		.43							T.	T.						T.		.35		.15							3.03
Parsons No. 2	do	.37			.83	.32			.37	.10													T.				.26	.07					2.32
Philippi ‖	do	.51	.27		.74	.76				.47						.06									.14		.01	.02					2.98
Pickens	do	.44			.85	.08			.60							.62										.42	.36						3.37
Roanoke	do	.49	.09	T.	1.72	.52										.36											.01	T.					3.19
Rockford	do	.36	.02	.14	1.67	.27		T.	.34							.10									T.	T.	T.	T.					2.90
Saint Marys ‖	Ohio	.02	.65	.02	1.09	1.00				.10						.01	T.											.02					2.91
Terra Alta	Monongahela		.40		1.00	1.10				.05							.15					T.		.08	T.		T.	.40					3.18
Thomas ‖	do		.30		.32	.68				.42							.36								T.	T	.15	.20	T.				2.43
Valley Chapel	do	.55	.01	.06	1.55	.43			.30							.13	T.						T.		.01		.02	.05					3.11
Vandalia	do	.29			1.80	.28			.17										.21														2.75
Wellsburg	Ohio	T.	.89	.10	1.96	.28										.07							T.				T.	T.					3.30
West Milford	Monongahela	.38	.08	.10	1.65		.45		.28								.11																3.05
Weston ‖	do	.06	.34	.04	.68	1.40				.38						.12	T.								.06		.02	.06					3.16
Wheeling (Dam 12) ‖	Ohio		.19	.32	1.04	1.15				.01		.11				.11	T.						.02				T.	T.					2.95
Woodlands ‖	do	.05	.86		1.07	1.25										.05												.05					3.33
Southern Division																																	
Arbovale ‖	Gr. Kanawha	.20			.46	T.			.03				.09			.16							T.		.24		T.	.04					1.22
Bancroft	do	.36	.58		.50	1.54				.18						.08											.04		.04				3.32
Beckley	do	.34	.07	T.	89	.10			.22				.08			.08							T.	.16	.18		.04	.05					2.21
Bluefield	do	.17	.09		.24	.11				.40			.11				.03											.10	T.				1.25
Camden-on-Gauley ‖	Gauley		.67		.37	.70				.25						.22	.09								.20		.08	.05					2.63
Charleston	Gr. Kanawha		.24	.94	1.46				.15							.05						.01					.07	.01	.03				2.96
Clay ‖	do	.17	.33		.34	1.54				.31						.16	.02										.06	.03	.01				2.97
Dam 6 G. K. ‖	do		.25		.70	1.29				.11							.04						.01				.15	.05	.10				2.70
Dam 19 O. R. ‖	Ohio	T.	.90	.02	1.20	1.18				.01						T.	T.								T.		T	T.	T.				3.31
Dam 20 O. R. ‖	do	.02	.62		1.17	1.08				.08													T.					.02		T.			2.99
Dam 25 O. R. ‖	do	.06	.46	.01	1.50	1.35				.10						.04																	3.52
Dam 26 O. R. ‖	do		.04	.70	1.60	1.20	.30									.05																	3.89
Gary ‖	Big Sandy	.22	.22		.05	.63				.24			.20			.01									.02		T.	T.					1.59
Hinton ‖	do	T.	.28	T.		.39				.09			.08			.03	.04						T.		.10		.01	.04	T.				1.06
Huntington	Ohio	.20	.23	.56	2.40	.02			.09							.05										T.	.02	T.					3.57
Kanawha Falls ‖	Gr. Kanawha	T.	.13		.40	1.00				.12						.01	.10						.04			.08		.04	.03				1.95
Kayford ‖	do		.32		.31	1.12				.18						.02	.13						.02	T.			.06	.08	.05				2.29
Lewisburg	do	.34	.09		.19	.02			.20				.07			.01	T.							.02	.02		.01	T.					0.97
Logan ‖	Guyandotte	.24	.04	T.	.56	1.12			T.	.10	T.						.05								T.			.05	T.				2.16
London	Gr. Kanawha	.01	.30		.32	1.40				.10						.02	.09						.03				.03	.02	.01				2.33
Madison	do			.86	1.40			.10							.06												.10						2.52
Point Pleasant ‖	Ohio	.10	.64	.02	1.86	1.40				.14																	.01	.01	.01				4.19
Rainelle	Meadow Creek	.40	.04		.62	.06			.23				.09			.39	.01						.02	.05	.13		.33	.31					2.68
Ravenswood (Dam 22	Ohio ‖	.05	.40		1.80	1.27			.18							.05	.03																3.78
Richwood	Gr. Kanawha	.28	.07	.03	.61	.28			.27				.05			.19	.03								.24	.02	.11	.26					2.44
Robertsburg ‖	do	.08	.75	T.	1.41	1.08				.18						.02									T		.01						3.53
Ryan	do	.16	.59	.15	1.90	.18										.01										.10	.02	.14					3.25
Sharples ‖	Coal River		T.	.40	1.20	.65										T									T.			T.					2.25
Spencer ‖	Gr. Kanawha	.08	.56		1.09	1.10				.29						.09	T.										.08	T.	T.	T.			3.29
Summersville ‖	do		.43	.20		1.09										.28											.20	.20	.17				2.60
Sutton	do	.20	.40		2.05				.25							.15							.05				.10	.10	T.				3.30
Thornwood ‖	do		.31			.61				T.				T.		.31								T.			.22						1.45
Union	do		.43			.25				.22				.03																			.93
Wayne ‖	Big Sandy	.06	.12		2.39	.40				.11						.04	.08										.02	.02					3.24
White Sulpr. Spgs. ‖	Gr. Kanawha	.40							.30			.05																					.75
Williamson ‖	Big Sandy	.07	.16		.64	1.05			.02	.07						.12	.04								.01		T.	.01					2.19

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for November 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	58	73	75	68	64	52	58	56	50	42	60	61	52	55	53	21	50	48	48	53	51	40	55	40	44	38	20	35	37	32	....	49.6
	Minimum	40	50	55	47	30	26	27	35	35	31	14	25	20	26	21	20	25	30	7	32	30	20	17	28	12	18	14	13	28	8	....	26.1
Brandywine	Maximum	62	67	72	60	70	65	60	56	54	55	60	56	55	63	56	40	57	45	52	50	57	56	57	52	53	42	40	42	47	44	....	54.8
	Miuimum	44	48	50	47	55	22	28	38	30	16	30	27	25	21	27	24	25	35	10	27	37	25	22	28	17	22	16	11	18	20	....	28.2
Kearneysville	Maximum	61	70	78	73	51	43	53	53	54	51	51	51	55	62	59	48	57	51	36	55	62	48	44	44	50	39	39	40	44	38	....	52.0
	Minimum	44	54	61	49	38	25	41	38	40	38	28	23	34	29	32	32	31	31	15	26	43	35	27	32	22	28	19	17	30	21	....	32.8
Martinsburg*	Maximum	62	64	80	62	53	62	55	55	62	50	50	50	55	62	48	42	48	48	55	60	62	50	45	45	45	48	35	45	44	..	....	53.2
	Miuimum	30	50	55	53	38	29	31	40	32	35	25	28	32	30	30	32	31	30	18	20	44	35	30	30	24	24	22	20	26	23	....	31.6
McNeill	Maximum	69	75	83	74	49	52	54	50	61	50	60	63	63	66	60	45	65	60	47	61	58	47	58	45	57	46	27	53	47	40	....	56.2
	Minimum	42	49	60	44	36	21	23	33	31	29	16	25	30	18	29	28	18	38	7	18	44	20	18	30	14	26	22	9	36	12	....	27.5
Piedmont	Maximum	65	67	72	57	47	54	54	53	53	47	53	56	54	60	57	38	54	53	37	56	53	44	41	38	48	45	26	41	42	31	....	49.9
	Minimum	44	48	52	47	37	27	44	47	37	34	22	27	31	28	38	27	32	35	15	25	44	33	25	33	20	26	20	19	31	21	....	32.3
Romney	Maximum	65	69	82	72	50	47	52	52	59	51	57	50	59	65	61	42	61	60	40	62	62	47	45	44	54	47	39	42	48	38	....	54.1
	Minimum	45	49	55	48	39	25	28	37	41	33	20	30	30	23	31	31	32	35	13	21	46	33	21	32	18	26	20	15	36	21	....	31.1
Upper Tract	Maximum	63	70	78	70	50	55	57	55	58	53	61	57	60	45	45	47	..	62	40	64	66	56	57	..	..	..	52	54	50	47	....	56.6
	Minimum	48	50	59	45	40	21	27	38	35	34	18	35	28	25	30	25	..	35	12	18	36	29	29	..	..	..	15	16	26	12	....	30.2
Wardensville	Maximum	62	71	76	64	46	41	..	58	53	50	48	54	61	65	45	40	61	45	46	59	57	53	53	48	..	35	29	48	43	42	....	51.9
	Minimum	34	24	35	52	38	24	28	..	36	34	20	29	28	23	33	29	24	32	10	22	33	24	24	34	18	..	13	11	28	18	....	27.1
Northern Division																																	
Alpena	Maximum	53	69	70	64	39	58	60	54	53	45	61	52	52	55	51	32	49	48	47	53	60	36	45	41	44	35	19	34	35	25	....	48.0
	Minimum	42	46	35	37	28	20	33	41	32	30	15	31	29	23	20	18	23	15	9	27	34	21	17	27	18	15	13	9	22	13	....	24.8
Bens Run	Maximum	55	71	71	55	55	60	63	59	46	40	61	55	51	53	53	37	50	50	46	53	53	41	49	39	42	32	26	40	40	39	....	49.5
	Minimum	50	50	52	43	34	30	39	41	37	38	27	31	31	30	32	27	27	31	21	29	41	31	24	31	25	25	19	22	26	21	....	32.2
Buckhannon	Maximum	72	77	77	68	43	59	63	62	50	52	62	60	60	62	58	40	52	52	44	55	54	50	49	50	42	38	28	40	44	40	....	53.4
	Minimum	42	50	50	40	33	27	36	42	38	32	23	31	37	25	37	24	24	32	17	27	42	33	19	31	21	21	18	16	31	18	....	30.6
Cairo	Maximum	68	71	74	73	44	61	64	62	50	52	52	45	67	60	56	60	51	57	48	54	60	54	53	48	42	42	41	38	44	43	....	54.5
	Minimum	44	45	42	42	33	25	33	38	34	32	28	24	20	24	27	27	19	32	15	21	38	24	18	33	12	14	25	18	18	13	....	27.3
Clarksburg *	Maximum	59	76	73	51	43	62	64	51	49	47	51	62	52	58	38	40	53	43	46	53	49	40	35	35	43	27	27	44	39	31	....	48.0
	Minimum	26	50	51	43	34	28	32	41	32	31	21	23	26	25	37	26	24	30	18	19	35	29	18	23	17	20	20	20	21	13	....	27.8
Creston	Maximum	60	74	74	71	69	65	65	63	60	52	65	65	61	60	60	55	53	53	50	50	55	51	49	47	45	41	40	44	45	41	....	56.1
	Minimum	45	54	50	36	30	30	30	40	32	30	20	29	25	24	30	25	17	23	14	20	41	31	17	31	15	13	11	20	20	11	....	27.1
Elkins	Maximum	57	73	76	56	39	59	61	54	50	44	63	56	52	58	43	36	54	49	49	56	55	38	49	41	45	25	22	40	40	28	....	48.9
	Minimum	48	52	56	33	29	25	38	43	35	26	22	32	29	25	25	24	27	18	14	37	33	26	20	23	19	19	17	16	26	16	....	28.4
Fairmont	Maximum	57	77	73	61	43	70	69	49	50	52	68	68	60	60	36	43	57	42	52	60	51	46	49	37	49	29	29	39	41	33	....	51.7
	Minimum	28	55	57	43	35	32	36	39	37	35	24	25	30	30	34	27	26	30	17	18	35	30	23	24	24	24	16	19	24	18	....	29.8
Glenville	Maximum	65	78	67	65	44	66	69	62	55	52	67	68	58	61	60	45	57	53	51	60	58	46	49	50	46	41	32	46	45	46	....	55.4
	Minimum	47	54	52	42	34	26	35	43	35	31	22	29	29	26	33	28	20	38	17	22	43	31	19	33	18	28	22	20	26	15	....	30.6
Grafton	Maximum	60	80	74	64	42	68	67	62	58	51	68	67	55	60	48	43	56	54	50	58	56	40	50	49	49	37	31	41	43	35	....	53.9
	Minimum	42	52	51	35	35	30	37	42	35	31	24	28	28	25	29	27	23	29	16	24	28	29	21	32	20	24	20	20	22	15	....	29.1
Lost Creek	Maximum	56	80	72	61	43	64	63	60	50	50	69	68	60	58	58	40	55	53	47	56	55	44	47	46	42	40	28	40	45	39	....	53.0
	Minimum	52	51	56	40	34	24	32	40	33	30	19	24	25	25	29	25	26	35	16	25	42	29	15	32	17	25	19	20	28	11	....	29.3
Mannington	Maximum	58	72	73	62	42	58	62	55	47	46	58	60	52	56	57	39	52	50	45	55	54	42	45	46	44	36	26	38	40	31	....	50.0
	Minimum	45	52	51	41	34	26	31	37	35	30	20	25	26	23	28	27	21	31	16	25	42	30	19	34	19	23	9	15	27	16	....	28.6
Morgantown	Maximum	69	73	71	64	49	40	55	50	55	59	58	60	59	58	42	37	42	38	45	54	54	36	36	40	52	33	30	34	40	32	....	48.8
	Minimum	33	37	64	33	32	26	32	36	38	39	37	40	35	38	29	27	34	29	14	35	34	32	33	33	32	22	17	22	33	17	....	32.1
New Cumberland	Maximum	61	66	72	65	45	58	60	53	52	48	57	55	62	60	51	39	52	49	43	57	54	48	41	43	41	33	27	38	38	35	....	50.1
	Minimum	51	54	58	33	31	28	33	35	37	22	22	29	35	32	27	26	26	25	15	31	37	29	24	28	27	22	15	19	20	15	....	29.5
New Martinsville	Maximum	60	71	72	61	47	60	63	58	51	47	58	63	56	58	56	42	54	51	41	58	55	42	45	42	48	35	28	40	40	36	....	51.3
	Minimum	49	55	57	40	35	29	36	40	37	39	26	28	30	28	33	27	30	32	20	32	41	31	22	26	30	24	18	22	28	28	....	32.4
Parkersburg	Maximum	59	71	71	44	43	60	62	51	53	48	61	63	54	60	48	42	56	49	45	59	55	43	47	44	41	29	29	43	41	32	....	50.1
	Minimum	52	58	44	33	33	30	39	41	38	33	26	34	32	32	31	29	29	23	22	33	37	30	25	27	27	25	19	22	27	19	....	31.7
Parsons	Maximum	55	75	76	61	44	60	61	52	52	38	65	60	55	60	50	39	55	50	52	58	55	38	51	43	50	35	21	40	40	40	....	51.0
	Minimum	42	49	51	36	31	27	34	42	34	29	22	31	31	26	25	25	25	30	15	26	36	28	21	25	19	21	19	18	19	17	....	28.5
Pickens	Maximum	73	73	74	68	58	58	57	53	..	45	61	55	51	55	50	44	55	49	45	55	44	49	45	44	37	33	34	37	36	32	....	50.7
	Minimum	52	53	54	32	30	25	26	38	..	21	20	32	28	28	19	20	18	12	25	28	28	22	21	26	29	13	11	9	25	14	....	26.2
Terra Alta	Maximum	59	68	65	42	30	46	..	55	42	37	53	51	46	..	48	27	42	32	41	46	..	43	39	31	38	22	19	..	31	..	....	42.1
	Minimum	..	25	31	30	28	27	25	..	30	29	15	16	25	30	..	20	19	26	11	12	30	..	15	14	22	17	13	11	..	15	....	21.4
Wellsburg	Maximum	60	67	72	63	44	58	61	55	48	44	55	62	54	54	53	40	52	50	43	56	54	41	40	43	41	36	28	38	41	31	....	49.5
	Minimum	46	55	52	36	34	25	30	34	34	37	19	21	28	25	30	27	21	28	14	24	30	30	20	20	20	25	17	21	26	18	....	28.2
Weston	Maximum	64	80	78	70	60	66	67	65	60	52	65	67	61	60	56	42	55	50	51	58	52	47	49	49	45	40	38	42	40	32	....	55.4
	Minimum	48	56	60	43	34	27	36	45	37	32	31	31	27	30	27	25	25	37	20	27	43	30	32	33	21	25	20	21	31	18	....	32.4
Wheeling(Dam 12)	Maximum	60	69	72	47	48	59	67	52	50	45	57	64	58	57	38	42	53	39	45	60	49	40	44	40	45	34	27	45	41	32	....	49.3
	Minimum	50	53	40	36	31	30	31	37	37	27	25	25	28	33	33	28	31	19	18	18	31	31	21	24	25	20	20	18	27	14	....	28.7
Southern Division																																	
Beckley	Maximum	57	72	77	62	37	58	63	58	54	48	53	50	54	57	54	37	55	47	52	56	50	46	47	43	45	38	25	42	42	37	....	50.
	Minimum	45	49	54	35	30	29	40	45	33	32	23	39	28	27	25	21	22	24	20	32	39	26	21	29	24	20	14	9	28	19	....	29.
Bluefield	Maximum	64	76	76	68	46	56	61	..	62	52	50	49	55	57	..	53	53	48	54	55	54	..	52	47	47	..	38	41	..	46	....	54.
	Minimum	50	52	60	37	30	32	42	..	31	33	24	40	36	31	..	23	24	37	25	34	44	..	24	32	26	..	15	12	..	20	....	32.
Charleston	Maximum	61	78	78	60	55	62	64	55	55	51	63	62	54	64	59	43	57	49	49	59	55	52	53	41	47	32	28	49	50	45	....	54.
	Minimum	34	52	55	45	33	31	33	43	39	36	30	30	38	34	37	31	26	27	24	24	31	34	29	33	26	25	23	21	28	23	....	32
Gary *	Maximum	58	80	82	56	43	65	67	58	60	51	58	55	56	62	37	41	58	53	56	63	56	46	53	45	51	33	28	47	48	43	....	53.
	Minimum	30	48	50	53	35	30	34	41	34	32	24	26	42	31	31	29	20	21	24	24	26	34	21	22	23	25	21	13	15	22	....	29.
Hinton *	Maximum	54	72	85	60	51	64	66	56	61	55	58	48	59	65	40	43	63	51	50	64	56	50	49	48	54	36	30	51	50	45	....	54.
	Minimum	32	45	49	53	35	30	36	47	35	35	27	30	39	33	33	30	22	22	21	23	28	32	23	41	..	..	..	..	..	..	....	33.
Huntington	Maximum	62	74	69	62	44	65	65	57	55	53	60	66	55	63	65	46	58	53	48	61	58	49	51	50	44	38	30	50	48	42	....	54.
	Minimum	51	55	55	33	34	30	40	46	38	39	28	33	33	32	38	30	23	34	23	28	44	35	29	36	25	26	23	22	27	20	....	33.
Lewisburg	Maximum	51	64	74	67	48	53	60	57	52	46	51	47	55	57	51	35	52	48	42	55	52	41	47	45	45	39	25	42	41	37	....	49.
	Minimum	44	48	58	41	33	41	41	48	35	36	24	38	38	29	27	25	26	38	19	33	39	34	29	34	23	23	18	15	33	23	....	33.
Madison	Maximum	60	80	79	46	41	66	66	57	56	..	59	64	58	64	48	..	57	49	53	61	54	47	52	40	47	32	30	49	46	39	....	53.
	Minimum	51	52	43	34	29	31	45	37	32	..	25	34	30	32	30	.	21	20	21	26	34	24	28	22	22	22	15	23	19	18	....	29.
Point Pleasant	Maximum	59	70	71	62	42	66	68	61	55	52	64	68	62	64	61	47	58	55	48	60	58	48	48	46	42	39	31	48	46	39	....	54.
	Minimum	47	54	54	36	32	28	37	41	35	34	23	30	29	28	34	27	23	35	20	24	43	30	23	33	21	21	20	20	23	15	....	30.
Rainelle	Maximum	51	66	77	70	39	54	61	54	52	44	51	47	52	56	54	35	53	40	46	54	49	40	45	42	44	31	23	41	40	36	....	48.
	Minimum	42	47	50	35	29	31	47	43	29	28	17	34	30	23	25	23	14	27	17	19	28	26	20	27	17	19	14	1	22	15	....	26.
Ravenswood	Maximum	65	75	73	66	62	64	65	67	59	55	65	67	67	63	65	58	63	59	51	60	64	65	51	50	46	42	28	45	50	47	....	58.
	Minimum.	49	54	53	36	32	27	36	39	32	32	23	30	28	27	31	28	22	29	18	19	43	33	21	39	35	23	19	20	20	14	....	30
Richwood	Maximum	60	72	75	72	43	58	63	59	59	60	59	59	59	57	58	35	54	45	50	56	50	42	49	45	45	40	25	40	39	40	....	52.
	Miuimum	45	51	59	40	31	32	39	40	34	30	24	31	34	26	24	24	19	29	17	25	30	27	22	30	24	20	16	9	33	17	....	29.
Robertsburg*	Maximum	61	72	74	45	44	66	70	53	56	52	65	68	60	63	43	47	60	46	50	53	52	49	52	41	51	32	29	50	44	38	....	52.
	Miuimum	35	51	51	41	33	28	31	43	35	34	20	26	31	31	34	30	24	29	22	24	35	32	25	28	23	25	23	21	23	16	....	30.
Ryan	Maximum	59	75	72	60	45	55	72	57	60	60	60	60	65	63	57	45	55	45	45	65	50	60	55	42	42	35	27	44	50	45	....	54
	Minimum	50	52	50	38	33	26	34	43	21	21	35	27	25	24	32	27	19	29	17	21	41	32	20	30	17	23	21	21	20	13	....	28.
Spencer *	Maximum	60	77	75	61	44	65	68	52	54	51	66	67	58	62	35	44	56	44	51	60	50	48	50	38	45	30	30	45	43	35	....	52
	Minimum	48	51	61	44	33	27	31	45	33	36	24	31	29	28	34	28	23	32	20	25	38	32	22	26	22	24	20	21	26	16	...	31
Sutton	Maximum	64	67	70	70	43	63	63	62	54	54	68	68	63	61	61	41	57	57	50	60	60	47	51	51	43	43	28	45	45	42	....	55
	Minimum	48	57	53	43	34	30	35	45	38	32	22	34	32	26	31	29	20	40	17	24	47	31	22	36	20	24	21	18	30	16	....	31
Union	Maximum	..	70	75	74	50	57	59	..	62	48	56	48	54	58	..	56	55	55	46	55	55	..	46	46	47	43	28	44	..	44	....	53
	Miuimum	..	42	60	48	33	28	39	..	32	34	20	37	33	24	..	25	20	35	19	22	43	..	19	34	17	21	16	12	..	14	....	29
White Sulphur Spgs.	Maximum	57	72	82	72	58	52	60	60	58	53	57	49	60	60	42	41	58	55	50	58	51	47	49	42	51	32	28	49	47	44	....	53
	Minimum	47	55	57	31	26	31	45	30	29	18	35	34	24	34	24	21	23	14	22	42	28	21	28	15	23	14	11	31	13	14	....	28
Williamson*	Maximum	59	77	79	50	42	66	66	58	57	58	61	65	60	65	41	45	61	52	54	65	55	49	52	46	46	34	29	51	49	42	....	54
	Miuimum	35	49	50	45	35	33	34	49	38	38	29	30	39	35	36	32	23	25	25	25	29	36	25	29	27	28	24	18	24	21	....	32

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 12-28-36—900.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

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VOL. XLIV PARKERSBURG, W. VA., DECEMBER 1936 No. 12

GENERAL SUMMARY

The month as a whole was unusually warm, the average temperature for the State, 37.2°, was much above the normal. The weather was abnormally warm during the closing days of the month, with maximum temperatures near or slightly above the December record at many stations. The lowest temperatures occurred generally on the 1st, 13th, and 23d, the readings on the 23d were somewhat below zero in scattered localities of the mountain districts. The precipitation averaged somewhat above the normal in the northern and southern sections, and considerably above the normal in the northeastern panhandle counties. The greatest monthly amounts were received in the mountain sections, and the least in the extreme northern Ohio River counties. While the snowfall averaged much below the normal, the monthly amounts were moderately heavy in the mountain districts. Sleet was reported from scattered sections on the 1st, 2d, 6th, 9th, 12th, 19th, and 20th. The weather during the month was mostly favorable for outdoor work. The frequent moisture was very beneficial to late pastures and winter grains. Stock remained in the open during practically the entire month.

TEMPERATURE

The average temperature for the northeastern panhandle division was 34.0°, or 1.0° above normal; for the northern division, 37.5°, or 3.1° above normal; for the southern division, 38.1°, or 2.9° above normal; and for the State, 37.2°, or 2.6° above normal. The highest mean temperature was 42.2° at Hastings, and the lowest, 29.0° at Terra Alta. The highest temperature was 70° at Brownsville on the 25th, 30th, and 31st; Ravenswood, 29th, and Robertsburg 29th and 30th, and the lowest, 8° below zero at Bayard on the 23d, making the monthly range for the State 78°. The greatest daily range was 58° at Bayard on the 23d.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 3.93 inches, or 1.40 inches above normal; for the northern division, 4.17 inches, or 0.57 inch above normal; for the southern division, 3.85 inches, or 0.52 inch above normal; and for the State, 4.02 inches, or 0.68 inch above normal. Most of the precipitation fell during the first and second decades, the greatest amounts being measured on the 6th, 7th, 11th, and 19th. The greatest monthly precipitation was 6.30 inches at Terra Alta, and the least, 2.32 inches at Wellsburg. The greatest amount in any 24 consecutive hours was 2.09 inches at Bens Run on the 6th. The average monthly snowfall, 4.5 inches, was 1.8 inches less than the normal. The greatest monthly snowfall was 20.0 inches at Stony River Dam. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

Fogs, dense: 2d, 1; 3d, 2; 4th, 1; 5th, 2; 7th, 1; 10th, 1; 11th, 3; 12th, 4; 13th, 3; 14th, 3; 15th, 3; 16th, 5; 17th, 16; 18th, 2; 22d, 1; 24th, 2; 25th, 2; 26th, 1; 28th, 4; 29th, 2; 31st, 1.

Halos, lunar: 25th, 2; 26th, 1.

Sleet: 1st, 2; 2d, 6; 6th, 1; 9th, 2; 12th, 1; 19th, 10; 20th, 2.

Thunderstorm: 30th, 1 (Hastings).

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.23	30.66	22	29.67	30	7.6	24	se.	30	84	67	72	49
Columbus, Ohio	30.22	30.62	22	29.68	30	9.3	31	sw.	20	78	66	70	45
Elkins	30.28	30.74	23	29.58	20	6.1	35	sw.	20	68	70	74	48
Parkersburg	30.27	30.68	22	29.71	19	5.8	21	nw.	6	88	64	77	40
Pittsburgh, Pa	30.22	30.65	22	29.50	20	11.0	31	w.	20	81	68	72	49
Wytheville, Va	30.25	30.69	23	29.75	19	6.0	26	w.	19	89	71	78	32

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	......	......	......	......
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	......	......	......
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	5.84	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	0.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
Period	34.6	83	−37	2.53	3.60	3.33	3.36	6.3	11	9	7	15

Climatological Data for December 1936

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	33.4	+5.3	58	†27	−8	23	58	3.63	−0.21	0.60	8.0	13	11	6	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	20	33.5	−0.7	56	†26	2		37	3.10	+1.00	.60	6.0	9	14	0	17	n.	Elmer Keister
Circleville	Pendleton	......	4	......	......	......	......	......	......	......	3.63	......	.97	1.5	12	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	47	......	......	......	......	......	......	......	5.88	+3.27	1.35	2.3	14	......	......	......	......	Eleanor White
Kearneysville	Jefferson	548	6	34.6	......	61	†26	7	1	34	5.11	......	1.18	1.5	9	12	8	11	e.	F. J. Schneiderhan
Martinsburg	Berkeley	435	44	[a]35.3	+1.3	[a]62	†26	8	1	[a]37	4.62	+1.86	1.05	5.0	13	15	10	6	sw.	Dr. H. S. Gardner
McNeill	Hardy	900	40	33.0	+0.4	64	26	−1	1	47	4.01	+1.95	.85	7.0	10	11	3	17	......	D. M. McNeill
Piedmont	Mineral	1,053	23	33.0	0.0	58	25	4	23	37	3.93	+1.52	.91	12.0	11	12	7	12	se.	C. A. Suter, Jr.
Romney	Hampshire	824	38	33.8	−0.7	63	27	6	†1	42	3.80	+1.55	.80	13.2	12	12	6	13	......	Miss Betty B. Harminson
Stony River Dam	Grant	3,300	16	......	......	......	......	......	......	......	3.49	+0.25	.80	20.0	13	......	......	......	......	A. C. Becker
Upper Tract [e]	Pendleton	1,230	37	36.2	+2.6	68	31	4	1	44	2.56	+0.79	.71	6.5	7	10	1	15	......	Mrs. J. M. Mallow
Wardensville [e]	Hardy	1,200	15	33.4	−0.3	63	28	2	1	38	3.44	+1.70	.59	6.0	12	9	5	12	......	Reymanu Memorial Farm
Division averages	and extremes	......	......	**34.0**	**+1.0**	**63**	**31**	**−8**	**23**	**58**	**3.93**	**+1.40**	**1.35**	**7.4**	**11**	**12**	**6**	**13**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	12	......	......	......	......	......	......	......	4.45	+1.45	1.09	0.8	11	5	11	15	w.	L. Else Bond
Alma (near)	Tyler	800	9	......	......	......	......	......	......	......	3.46	......	.78	2.5	9	10	4	17	......	D. N. Furbee
Alpena	Randolph	2,571	6	34.1	......	57	28	−1	23	51	5.13	......	1.10	9.0	11	13	7	11	w.	Christian Hertig
Benson	Harrison	1,080	12	37.5	+1.3	66	†30	9	23	41	4.53	+1.04	.90	2.0	10	12	4	15	......	R. D. Marts
Bens Run	Tyler	652	34	37.2	+2.4	65	†27	17	†1	29	4.16	+0.60	2.09	1.8	9	17	5	9	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	13	40.2	+3.6	70	†25	11	23	50	4.61	+1.29	.99	1.0	9	8	13	10	......	W. B. Worley
Buckhannon	Upshur	1,411	39	38.6	+4.4	65	30	13	1	32	4.62	−0.16	.92	2.5	10	13	5	13	......	H. A. Darnall
Cairo	Ritchie	680	35	[f]37.2	+2.5	[f]67	30	9	1	[f]41	4.62	+1.17	.90	2.0	9	14	1	16	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	14	35.6	+0.4	67	30	12	23	42	3.92	+0.84	.84	1.5	14	7	10	14	s.	Clarksburg Water Board
Crawford	Lewis	1,107	13	......	......	......	......	......	......	......	4.25	+0.66	.87	.7	11	9	9	13	nw.	George W. Blair
Creston	Wirt	640	34	38.2	+2.9	66	30	10	1	40	3.82	+0.35	.93	3.1	11	14	5	12	......	J. L. Ledsome
Dam 10 Mon. R.	Marion	826	15	......	......	......	......	......	......	......	3.82	+0.40	.97	2.0	13	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	20	......	......	......	......	......	......	......	2.48	−0.50	.70	5.0	11	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Marion	882	15	......	......	......	......	......	......	......	3.81	+0.68	1.01	2.0	14	......	......	......	......	Lockmaster
Davis	Tucker	3,093	27	......	......	......	......	......	......	......	3.27	−0.76	2.00	14.0	7	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	24	......	......	......	......	......	......	......	4.22	+1.09	.90	......	10	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	35	36.9	+4.2	61	27	10	23	38	4.01	+0.55	1.55	2.6	16	5	7	19	se.	U. S. Weather Bureau
Fairmont	Marion	883	30	37.6	+3.6	65	†27	14	23	41	4.52	+1.03	.84	5.0	15	10	7	14	s.	J. C. Robinson
Glenville	Gilmer	738	42	39.2	+3.3	67	29	11	1	37	4.47	+0.54	1.01	.5	12	12	5	14	w.	Howard R. Brannon
Grafton	Taylor	1,000	43	40.0	+5.8	67	29	14	23	41	4.40	+1.32	.92	1.5	10	7	13	11	......	W. E. Clayton
Hastings	Wetzel	809	1	42.2	......	68	†27	18	23	36	5.26	......	1.12	4.0	14	16	1	14	w.	L. G. McIntyre
Horner	Lewis	1,044	13	......	......	......	......	......	......	......	5.73	+2.20	2.00	......	7	......	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	13	39.0	+1.9	67	30	8	1	40	4.07	+0.99	.89	1.0	8	15	1	15	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	38	38.4	+4.0	67	30	9	1	44	4.33	+0.80	.90	1.0	9	6	8	17	w.	Allen Smith
Mannington	Marion	985	33	37.0	+3.4	66	30	9	23	35	4.23	+0.66	.95	5.1	15	11	5	15	w.	Jas. A. Morgan
Morgantown [a]	Monongalia	1,250	43	37.4	+3.0	69	31	15	1	31	3.03	−0.07	1.42	4.5	7	13	4	13	sw.	Bruce Davis
New Cumberland	Hancock	671	38	35.8	+4.1	67	27	9	1	34	2.46	−0.30	.72	10.1	13	9	5	17	se.	C. O. Valentine
New Martinsville	Wetzel	634	42	38.4	+3.1	66	30	14	23	34	4.29	+0.73	.90	2.0	9	6	9	16	n.	Wm. Ankrom
Parkersburg	Wood	615	49	38.7	+3.5	66	27	17	13	31	3.30	+0.27	.79	1.2	11	8	9	14	se.	U. S. Weather Bureau
Parsons [n]	Tucker	1,649	36	36.1	+3.8	60	†30	9	23	30	4.68	+0.63	1.29	4.0	10	6	0	10	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	10	......	......	......	......	......	......	......	4.78	+0.73	1.33	4.0	12	12	12	7	......	Robert T. Deem
Philippi	Barbour	1,550	39	......	......	......	......	......	......	......	4.27	+0.50	1.02	......	13	......	......	......	......	H. F. Brittinham
Pickens	Randolph	2,697	33	36.4	+4.2	59	†16	3	21	43	6.26	+0.88	1.40	9.0	10	10	7	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	13	......	......	......	......	......	......	......	4.02	+0.65	.78	7.8	9	13	6	12	......	Miss Mary A. Courad
Terra Alta [d]	Preston	2,559	35	29.0	−1.6	54	31	−5	23	41	6.30	+1.56	2.00	12.0	6	6	2	19	w.	Ernest Naedele
Thomas	Tucker	2,950	7	......	......	......	......	......	......	......	4.34	......	1.31	8.0	11	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	13	39.2	+1.7	66	30	12	14	37	3.76	+0.54	.75	2.0	8	8	14	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	13	......	......	......	......	......	......	......	3.77	+1.37	.92	......	6	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	29	36.2	+3.8	67	27	8	1	36	2.32	−0.59	.73	3.0	9	15	4	12	......	George P. Pfister
West Milford	Harrison	979	11	......	......	......	......	......	......	......	4.57	+1.49	.90	......	10	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	41	39.2	+3.4	67	30	13	1	39	4.63	+1.00	1.12	2.8	15	0	21	10	......	A. Henry
Wheeling (Dam 12)	Ohio	659	49	37.0	+4.4	66	30	13	1	39	2.55	−0.47	.58	7.2	11	9	5	17	sw.	Lockmaster
Woodlands	Marshall	637	9	......	......	......	......	......	......	......	3.70	......	1.10	2.5	12	......	......	......	......	R. W. Rist
Division averages	and extremes	......	......	**37.5**	**+3.1**	**70**	**†25**	**−5**	**23**	**51**	**4.17**	**+0.57**	**2.09**	**4.0**	**11**	**10**	**7**	**14**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	10	......	......	......	......	......	......	......	4.20	......	1.75	11.0	12	......	......	......	......	H. S. Sutton
Bancroft	Putnam	574	32	40.3	+4.9	68	30	17	23	34	3.63	+0.16	.95	2.0	12	12	0	19	w.	Charles N. Long
Beckley	Raleigh	2,440	33	36.3	+5.0	59	26	9	23	41	4.06	+0.75	1.25	2.1	12	7	7	17	......	L. A. Mauck
Bluefield [d]	Mercer	2,558	41	37.0	+0.1	60	26	15	23	35	3.86	+0.98	1.85	7.0	10	11	1	15	......	Norfolk & Western Ry.
Charleston	Kanawha	600	33	39.9	+0.3	68	30	21	†14	36	4.40	+0.76	1.37	2.5	10	12	4	15	......	S. E. Damron
Clay	Clay	706	20	......	......	......	......	......	......	......	3.92	+0.42	.94	2.4	13	......	......	......	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	9	......	......	......	......	......	......	......	3.60	+1.17	1.01	......	11	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	20	......	......	......	......	......	......	......	3.13	0.00	.64	......	11	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	20	......	......	......	......	......	......	......	3.27	+0.12	.72	......	12	......	......	......	......	Lockmaster
Dam 25 O. R.	Mason	565	9	......	......	......	......	......	......	......	3.22	......	.72	......	10	......	......	......	......	Lockmaster
Dam 26 O. R.	Mason	564	20	......	......	......	......	......	......	......	3.29	+0.03	.78	......	12	......	......	......	......	U. S. Engineers Office
Gary	McDowell	1,426	20	39.0	+1.2	66	30	16	†22	40	4.41	+1.04	2.00	4.0	10	......	......	......	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	39	36.2	+0.4	58	30	11	†22	37	4.23	+1.05	1.53	6.5	11	16	2	13	......	Mrs. M. L. McClung
Huntington	Cabell	538	39	41.3	+5.7	69	†29	19	13	33	3.62	+0.25	.90	3.0	11	5	12	14	ne.	H. N. Robinson
Kanawha Falls	Fayette	618	17	......	......	......	......	......	......	......	3.40	+0.04	1.62	1.0	9	......	......	......	......	J. O. Brown
Kayford	Kanawha	1,335	20	......	......	......	......	......	......	......	4.14	+0.23	1.35	3.0	13	......	......	......	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	36	36.2	+3.0	57	28	14	23	25	4.35	+1.24	1.58	5.5	11	13	3	15	......	J. K. Monroe
Logan	Logan	700	33	......	......	......	......	......	......	......	4.13	+0.03	1.90	2.0	11	......	......	......	......	Paul A. Simonds
London	Kanawha	623	0	40.1	......	68	30	20	†23	38	3.00	......	1.06	......	10	14	0	17	se.	Lockmaster
Madison	Boone	675	15	37.8	+2.8	69	30	12	22	35	4.23	+1.33	1.23	......	11	3	6	22	......	C. B. Whitlock
Point Pleasant	Mason	595	43	39.9	+3.1	68	30	15	13	38	3.96	+0.46	.62	3.5	14	8	12	11	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	6	34.4	......	58	28	4	23	42	4.61	......	1.10	10.0	15	11	2	18	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	13	41.2	+3.3	70	29	13	13	40	3.68	+0.36	.76	2.0	11	12	3	16	ne.	Lockmaster
Richwood	Nicholas	2,193	6	38.2	......	59	28	11	23	42	4.25	......	1.17	5.0	13	9	10	12	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	36	38.4	+3.7	70	†29	16	†13	42	3.38	+0.04	.65	2.0	12	11	0	20	......	M. Frazier
Ryan	Roane	700	33	37.8	+3.3	65	†27	13	23	37	4.41	+1.16	.80	3.5	11	13	5	13	......	Wm E. Ryan
Spencer	Roane	789	32	38.4	+1.9	65	†27	14	23	37	4.16	+0.75	.83	5.0	10	9	5	17	......	A. M. McKown
Summersville	Nicholas	1,894	3	......	......	......	......	......	......	......	4.32	......	1.91	......	6	......	......	......	......	Mrs. Ella E. Taylor
Sutton	Braxton	850	30	40.4	+5.2	65	†30	12	1	38	4.48	+0.66	1.00	3.0	11	17	0	14	......	C. B. Eakle
Union [d]	Monroe	2,250	32	36.0	+2.0	56	28	11	23	38	3.15	+0.23	1.66	......	10	8	5	14	......	C. B. King
Wayne	Wayne	598	9	......	......	......	......	......	......	......	3.66	......	.78	.8	12	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	26	33.0	−0.1	60	28	8	22	32	2.60	−0.50	1.50	6.0	5	12	2	17	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	36	39.8	+2.2	68	30	20	†13	37	4.43	+0.65	1.63	3.0	12	13	5	13	ne.	J. E. Dotson
Division averages	and extremes	......	......	**38.1**	**+2.9**	**70**	**†29**	**4**	**23**	**42**	**3.85**	**+0.52**	**2.00**	**4.0**	**11**	**11**	**4**	**16**	**sw.**	
State averages and	extremes	......	......	**37.2**	**+2.6**	**70**	**†25**	**−8**	**23**	**58**	**4.02**	**+0.68**	**2.09**	**4.5**	**11**	**11**	**6**	**14**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for December 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.39				.60	.60				.28	.08					.12		.24	.24	.08		.60						.13	.04	.23	3.63
Brandywine	do		.60				.50	.20				.40	.20				.35			.60										.10		.15	3.10
Circleville ‖‖	do		.12	.22	T.		.14	.97		T.	T.	.39	.58	T.			T.	.12		.32	.18	.16							T.	.13	T.	.30	3.63
Harpers Ferry ‖‖	do		.37	.96			.01	.80			.66	.16	.50	.01				.81		.02	1.35								.02		.16	.05	5.88
Kearneysville	do		1.18				.60				.70	.50	.10				.44	.22		1.05										T.	T.	.32	5.11
Martinsburg ‖‖	do		.15	.80			.02	.85			.40	.15	.10	.05					.65	1.05	.10										.10	.20	4.62
McNeill	do		.80	T.			.65	.12		T.	T.	.50	.60				.21	.05			.85							T.		T.	.05	.18	4.01
Piedmont	do		.82				T.	.91		T.	.05	.33	.10				.06	.01		.77		.53									.02	.33	3.93
Romney	do		.80				.68	.12		.01	.01	.60	.12					.15		.40	.80										.01	.10	3.80
Stony River Dam ‖‖	do		.16	.12	.08		.35	.57				.30	.26					.05		.80	.16	.32									.12	.20	3.49
Upper Tract	do		.10	T.			.60					.71	.18				.19			.50	T.									T.	T.	.28	2.56
Wardensville ‖‖	do		.32	.44	.04			.48			.13	.26	.17					.39		.51	.59		T.								.05	.06	3.44
Northern Division																																	
Aberdeen	Monongahela		.59	T.	.01		.53	.80				.43	.10	T.			T.	.02		.20	1.09	T.							.07		T.	.61	4.45
Alma (near)	Ohio		.78				.58	.24				.30	.04							.50	.62									.01		.39	3.46
Alpena	Monongahela		.57	T.	T.		1.10	.72				.76	.08				.15			.32	.72								.17		.14	.40	5.13
Benson	do		.90				.60	.65				.42	.02					.10		.20	.85								.15			.64	4.53
Bens Run	Ohio		.16				2.09					.17					T.	T.		.48	.42								.24	.03	.02	.55	4.16
Brownsville	Monongahela		.57				.63	.79					.61				.10			.21	.99								.11			.60	4.61
Buckhannon	do		.50				.75	.75				.46	.10					.15		.20	.92								.18			.61	4.62
Cairo	Litl.Kanawha		.90				.36	.72				.40								.42		.80							.19		.08	.75	4.62
Clarksburg ‖‖	Monongahela		.49	.25	.02		.21	.84				.28	.14					.03		.15	.82								.07	.02	.04	.56	3.92
Crawford	do		.50		.04		.87	.49			T.	.49	.09			T.	.04			.26	.85								.06			.56	4.25
Creston ‖‖	Litl.Kanawha		.25	.09			.25	.93				.30	.23					.01	.33		.79	T.							.02		T.	.62	3.82
Dam 10, Mon. R. ‖‖	Monongahela		.41	.41	.02		.09	.88				.20	.20				T.	.02		.09	.96	.07							.04	T.		.43	3.82
Dam 13, O. R. ‖‖	Ohio		.40		.02		.04	.55				.20	.11								.70	.08								.02	.04	.32	2.48
Dam 15, Mon. R. ‖‖	Monongahela		.45	.45	.06		.15	.86				.23	.19					.07		.08	.70	.06							.06	T.	.03	.42	3.81
Davis ‖‖	do		T.		.05		.40	2.00					.40		T.					.11	.21	.10									T.		3.27
Elizabeth (D'm 3 LK)	Litl.Kanawha	.90	.12			.15	.80				.16	.10					T.		.32	.80								.35		T.	.52		4.22
Elkins***	Monongahela	.02	.45	.01	.08		1.48	.08				.47	.09				.01	.02	.02	.45	.35	T.						.07	T.	T.	.01	.40	4.01
Fairmont ‖‖	do	.55	.38	.02		.20	.84				.25	.17				.05	T.		.02	.79	.32							.33		.03	.48	.09	4.52
Glenville ‖‖	Litl.Kanawha		.61	.18			.19	.82				.32	.23					.04		.23	.88	T.							.35		.03	.59	4.47
Grafton	Monongahela	T.	.73	T.			.78	.46				.46	.05				.04	T.		.25	.92									.03		.68	4.40
Hackers Creek	do		.74		.01		.71						1.05					.05		T.	.99							.02			.72		4.29
Hastings	Ohio		.90	T.			.45	.65				.27	.60				.01	.01	.35		1.12	.02							.22	.04	.08	.54	5.26
Horner	Monongahela	.35					1.05					1.41							.20	2.00									.12			.60	5.73
Ireland	do		.38	.02	.01	.36	.42					.95	.09				.14			.21	.88								.20			.18	3.84
Jackson's Mill	do		.73				.73	.56				.53								.30	.75							.09			.56		4.25
Jane Lew	do		.68				.65	.24				.53								.30	.89										.10	.68	4.07
Lost Creek	do		.85		T.		.70	.56	T.			.58	T.	T.			T.	.03		.12	.90	T.							.04		T.	.55	4.33
Mannington	do		.85		.02		.62	.40				.46	.08				.04	.02		.15	.95	.01						.01	.11	.02		.49	4.23
Morgantown	do		.15	.10	T.		1.42				1.00	T.	T.	.16		T.	T.	T.		.16	.04							T.					3.03
New Cumberland	Ohio		.72		T.		.17	.09			.01	.14	T.						T.	.16	.13	.08						.02	.07	.10	.32	.45	2.46
New Martinsville	do	.90					.52	.50				.42								.43	.50								.42		.10	.50	4.29
Parkersburg***	do	.07	.68		T.		.79				T.	.19					T.		.18	.35	.18							.25	T.	.04	.03	.54	3.30
Parsons	Monongahela		.60		.05		1.00	.40				.35	.10				T.			.18	1.29	.01						T.			.70	T.	4.68
Parsons No. 2	do		.47		.05		1.06	.59				.49	.14				T.			.18	1.33	.02							.04		.01	.40	4.78
Philippi ‖‖	do		.31	.30	.03		.38	1.02				.21	.20					.07		.17	.94	.04							.04			.56	4.27
Pickens	do		.91				1.40	.75				.45	.08				.20	.06		1.08	.48											.85	6.26
Roanoke	do		.53				.73	.72				.50	.05					T.		.19	.78								.06		.46		4.02
Rockford	do		.67		T.		.73	.40				.68	T.				T.		.28		T.								.09		T.	.68	3.53
Saint Marys ‖‖	Ohio			.66	.18	.02	.10	.93				.13	.02					.10		.29	.79								.30	T.	.05	.62	4.19
Terra Alta	Monongahela	T.	T.	.50				2.00				T.					.70			T.	1.00	1.30								T.		.80	6.30
Thomas ‖‖	do		T.	.52	.04		.45	1.31				.17	.34							.48	.57	.08							.08			.30	4.34
Valley Chapel	do		.75				.56	.70				.45	T.					T.		.21	.27								.11			.71	3.76
Vandalia	do		.73					.73				.54								.31	.92											.54	3.77
Wellsburg	Ohio		.73				.22	.16			T.	.15	T.							.11	.47								.10	T.	.15	.23	2.32
West Milford	Monongahela		.80				.50			.65		.55					.05			.20		.90							.10	.12	.70		4.57
Weston ‖‖	do		.38	.26	.02		.30	1.12				.26	.30	.02			.06			.20	.94	.12							.12		.05	.48	4.63
Wheeling (Dam 12) ‖‖	Ohio		.39	.25			.02	.49				.14								.15	.58	.02							.10	T.	.06	.35	2.55
Woodlands ‖‖	do		.26	.56			.10	1.10				.14	.08							.10	.56	.01							.33	.01		.45	3.70
Southern Division																																	
Arbovale ‖‖	Gr. Kanawha		.46	T.			1.75			T.	.02	.40	.20				.13			.53	.08								.05	.18	.35	.05	4.20
Bancroft	do		.41	.15			.09	.95				.22	.16					.07		.28	.48								.30	.02		.50	3.63
Beckley	do	T.	.20	.09			1.25	.90		T.	T.	.52	.08				.04			.16	.12								T.	.16	.06	.48	4.06
Bluefield	do			.06				1.85				.26	.10				.15			.50		.35							.10	.12		.37	3.86
Camden-on-Gauley ‖‖	Gauley		.20	.30	.05		.46	1.30				.35	.20					.18		.43	.60	.10							.11	.02	.01	.28	4.59
Charleston	Gr. Kanawha		.26	.06			1.37				.41	.18					.04		.20	T.	.95							.28		T.	.65		4.40
Clay ‖‖	do		.38	.24			.94	.06				.29	.22					.09		.15	.56	.16							.19	T.	.05	.59	3.92
Dam 6 G. K. ‖‖	do		.23	.16			.18	1.01				.34	.17					.03		.26	.57								.27			.38	3.60
Dam 19 O. R. ‖‖	Ohio		.44	.24			.10	.64				.12	.10							.24	.32	T.							.30	T.	.03	.60	3.13
Dam 20 O. R. ‖‖	do		.50	.22			.10	.72				.10	.12							.28	.32								.28	.02	.06	.55	3.27
Dam 25 O. R. ‖‖	do			.12			.20	.72				.16	.10							.31	.50								.38	T.	.14	.59	3.22
Dam 26 O. R. ‖‖	do		.53	.10			.29	.78				.19	.09							.29	.42								.19	.04	.03	.34	3.29
Gary ‖‖	Big Sandy		.02	.15			.28	2.00				.28	.12	T.				.01		.32	.86											.37	4.41
Hinton ‖‖	do		.01	.18	T.		.18	1.53				.15	.19	T.				.24		.78	.48	T							T.	T.	.11	.38	4.23
Huntington	Ohio		.54	T.			.90	.24			T.	.31	.05						T.	.45	.45							.09	.13	.03		.43	3.62
Kanawha Falls ‖‖	Gr. Kanawha		.01	.19	T.		.03	1.61				.26	.26	T				T.		.19	.51	T.										.33	3.40
Kayford ‖‖	do		.02	.16	.01		.58	1.35				.39	.15	.01						.15	.60	.02							.19			.51	4.14
Lewisburg	do						1.58	.76		.02		.25	.17				.14	.02		.56	.27									.19		.39	4.35
Logan ‖‖	Guyandotte		.06	.06	.01	T.	T.	1.90				.47	.06					T.		.14	.59	.02		T.					.30			.52	4.13
London	Gr. Kanawha		.09	.17			.15	.91				.30	.24							.17	.48								.16			.33	3.00
Madison	do	.13	.04			.55	1.23				.42							.11	.22	.66								.37		.01	.49		4.23
Point Pleasant ‖‖	Ohio		.54	.10	.02		.34	.60				.26	.14							.28	.62	.02							.36	.08	.10	.50	3.96
Rainelle	Meadow Creek		.25	.01	.02		1.10	.80				.38	.25				.02		.01	.75	.50	.01							.08	.05	T.	.38	4.61
Ravenswood (Dam 22	Ohio ‖‖		.58	.13			.15	.76				.20	.09							.32	.55								.30	T.	.05	.55	3.68
Richwood	Gr. Kanawha		.17	.03	.02		1.17	.60				.48	.07					.01		.88	.54	T.							.09	.02		.17	4.25
Robertsburg ‖‖	do		.61	.08			.36	.65				.27	.03							.29	.45								.26	.01	.02	.35	3.38
Ryan	do		.53				.80	.46				.49	.10				.02			.52	.61								.26	.02		.60	4.41
Sharples ‖‖	Coal River	T.				.20	.92	T.				.52						T.		.20	.62	T.										1.02	3.48
Spencer ‖‖	Gr. Kanawha		.67	.08			.31	.83					.10					.11			.33	.73							.46	T.		.54	4.16
Summersville ‖‖	do		.45				1.91					.61									.80								.10			.45	4.32
Sutton	do			.55	T.			.45	1.00				.60	.08			T.	.05	T.	.15	.70	.15							.25			.50	4.48
Thornwood ‖‖	do		.23			.40	1.32					.63	.28				.13		.31	.11										.24	.26		3.91
Union	do		.11	.02				1.66				.25						.12		.30		.30								.13	.03	.23	3.15
Wayne ‖‖	Big Sandy		.44	.08			.14	.78			.02	.28	.15							.23	.73								.37	.02		.42	3.66
White Sulpr. Spgs. ‖‖	Gr. Kanawha						T.					.35	.19				.35		.24	1.50													2.60
Williamson ‖‖	Big Sandy		.09	.05			.23	1.63				.43	.09							.22	.81	.02							.40	.01		.45	4.43

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Northeastern Panhandle Division																																	
Bayard	Maximum	31	40	40	41	42	50	50	35	43	43	45	40	33	48	48	45	40	35	32	30	33	30	50	50	53	55	58	55	55	58	58	44.
	Minimum	3	27	31	36	15	27	21	10	18	31	35	25	19	12	30	17	32	22	11	20	21	18	−8	13	20	21	30	40	34	33	44	22
Brandywine	Maximum	37	40	38	40	38	37	35	40	42	44	48	40	35	46	45	40	50	42	40	36	40	40	41	45	52	56	55	54	56	52	54	43.
	Minimum	2	32	21	30	15	24	31	12	22	25	35	24	12	15	20	22	36	26	25	18	16	10	4	12	19	22	31	32	39	40	47	23.
Kearneysville	Maximum	29	32	43	47	40	37	42	29	32	36	40	42	40	47	49	39	46	42	30	33	39	39	37	47	57	61	61	58	43	44	53	42.
	Minimum	7	22	29	29	25	25	25	17	22	30	34	30	26	23	32	24	32	25	22	28	29	26	15	17	23	28	38	42	32	36	42	26.
Martinsburg*	Maximum	35	35	42	36	35	42	40	32	35	40	40	40	45	45	45	45	48	40	38	35	45	35	35	45	57	62	62	58	50	50	..	43.
	Minimum	8	20	24	30	26	28	32	18	20	50	35	35	28	30	28	38	35	32	28	22	30	28	15	18	20	25	28	35	35	35	38	27.
McNeill	Maximum	36	33	39	47	43	45	48	39	30	38	40	40	41	55	46	38	49	41	32	35	48	40	42	57	57	64	61	60	48	48	55	45.
	Minimum	−1	20	19	16	18	23	26	9	13	28	33	30	12	14	19	16	28	24	23	26	19	24	5	10	12	18	18	45	30	35	38	21.
Piedmont	Maximum	26	33	42	41	36	42	35	29	32	35	38	34	36	45	49	45	38	34	29	32	37	29	34	52	58	57	47	49	43	43	54	39.
	Minimum	7	21	32	35	23	35	25	14	19	29	34	31	22	20	28	23	34	27	22	29	25	24	4	15	21	29	35	39	32	37	41	26.
Romney	Maximum	38	33	38	45	43	38	45	35	31	37	40	41	40	53	43	50	36	47	35	37	34	46	36	40	55	57	63	60	56	45	53	43.
	Minimum	6	22	31	28	22	30	27	14	20	29	33	32	21	19	25	21	23	25	22	22	29	27	6	7	13	22	23	43	31	36	40	24.
Upper Tract	Maximum	46	40	39	40	42	45	..	50	49	..	46	46	43	54	50	49	..	51	45	42	..	46	49	56	57	60	57	60	60	..	68	49.
	Minimum	4	22	28	20	19	18	..	13	14	..	26	25	12	16	24	24	..	21	22	25	..	10	5	16	21	26	36	49	48	..	49	22.
Wardensville	Maximum	34	30	32	39	45	..	48	33	34	32	38	41	..	41	54	47	34	49	34	..	38	45	35	42	..	60	..	63	59	42	56	42.
	Minimum	2	11	26	26	22	..	27	12	18	27	32	32	..	15	24	21	28	26	23	..	27	26	9	15	..	22	..	51	33	36	41	24.
Northern Division																																	
Alpena	Maximum	36	39	38	36	42	42	46	47	41	52	46	39	37	49	44	54	48	34	35	35	33	31	50	51	50	56	56	57	47	51	55	44.
	Minimum	6	25	30	31	14	30	30	12	18	34	37	23	17	13	23	22	32	23	21	19	17	17	−1	13	20	26	35	42	29	41	40	23.
Bens Run	Maximum	31	36	39	39	36	48	48	33	51	45	45	45	38	45	43	44	42	37	41	41	38	37	46	49	51	55	65	58	65	64	63	45.
	Minimum	17	30	33	35	23	34	24	19	23	33	33	28	19	21	25	24	29	29	25	26	24	20	17	22	27	38	40	42	39	50	40	28.
Buckhannon	Maximum	45	43	42	43	43	55	50	43	50	50	50	40	30	42	47	50	52	40	50	50	40	38	48	50	54	54	60	64	64	65	63	45.
	Minimum	13	33	32	33	27	31	25	17	20	30	37	25	24	18	27	22	35	25	32	26	20	19	17	19	24	24	40	44	39	47	50	28.
Cairo	Maximum	36	46	41	41	46	54	54	60	..	..	..	..	..	..	44	48	48	44	43	43	44	40	42	51	56	52	58	66	63	67	64	50.
	Minimum	9	27	34	36	15	30	25	19	14	32	15	27	16	14	19	19	25	22	29	22	18	11	10	17	21	22	34	36	41	47	45	24.
Clarksburg *	Maximum	35	39	42	42	39	54	33	41	54	51	45	33	35	47	46	49	39	39	49	31	39	33	49	53	57	60	65	49	65	67	53	46.
	Minimum	14	19	33	34	17	21	30	17	19	20	33	29	25	17	18	20	28	28	27	27	24	17	12	14	19	22	23	44	38	41	45	25.
Creston	Maximum	40	40	43	45	45	51	55	45	55	51	54	50	40	50	46	52	51	49	49	40	40	36	51	45	56	60	65	65	65	66	65	50.
	Minimum	10	31	36	36	23	27	21	15	16	35	45	25	14	11	20	25	24	26	31	20	15	12	11	25	26	21	31	40	41	45	42	25.
Elkins	Maximum	39	42	41	40	47	53	49	52	48	55	49	31	32	50	46	56	46	39	43	40	38	30	48	55	56	59	61	55	55	59	58	47.
	Minimum	15	34	33	30	19	36	18	15	28	35	31	26	20	16	23	25	32	26	27	24	22	15	10	18	22	24	38	38	37	49	29	26.
Fairmont	Maximum	46	38	43	47	46	54	42	47	55	54	44	43	40	55	50	48	38	37	45	31	38	37	51	56	57	62	65	50	63	65	55	48.
	Minimum	15	19	33	34	21	22	27	17	19	26	35	29	26	20	20	22	27	27	27	27	23	24	14	15	24	28	30	45	35	44	50	26.
Glenville	Maximum	48	42	42	49	50	56	56	41	55	50	47	38	40	45	43	46	47	40	47	44	41	41	52	54	55	63	66	66	67	63	66	50.
	Minimum	11	33	34	38	18	31	25	17	19	28	36	28	25	18	21	20	29	30	33	27	24	18	15	19	22	33	38	48	38	46	45	28.
Grafton	Maximum	47	48	44	46	47	55	54	47	57	55	47	40	36	53	49	55	47	37	49	47	41	39	55	59	58	62	[illegible]	65	67	66	65	51.
	Minimum	15	33	34	37	19	33	25	18	25	32	37	28	26	18	22	24	35	27	30	27	24	24	14	20	25	25	39	42	35	49	36	28.
Lost Creek	Maximum	50	45	40	48	40	55	51	44	60	50	50	40	36	49	45	50	50	38	53	47	40	37	51	54	55	60	65	62	65	67	64	50.
	Minimum	9	32	33	35	15	30	25	15	16	27	39	25	26	15	21	19	32	26	34	25	23	17	10	16	20	22	38	43	37	45	49	26.
Mannington	Maximum	42	37	40	42	39	53	53	41	51	52	49	36	35	45	45	48	45	37	45	40	38	35	44	50	54	56	63	60	63	66	64	47.
	Minimum	13	32	33	35	17	31	23	15	18	29	35	28	25	17	21	19	33	27	30	26	22	24	9	16	21	23	35	42	32	46	43	26.
Morgantown	Maximum	40	36	37	35	33	52	55	57	54	50	45	41	32	38	38	40	42	42	38	33	33	33	38	40	41	..	40	59	64	64	69	44.
	Minimum	15	27	33	27	21	21	32	40	32	33	34	32	21	[illegible]	28	34	33	34	21	19	18	20	30	33	34	..	33	38	50	52	54	30.
New Cumberland	Maximum	40	38	37	41	38	51	50	37	49	52	48	33	42	47	49	47	44	34	38	37	39	42	47	52	53	52	67	63	47	61	63	46.
	Minimum	9	14	32	30	20	28	17	13	18	30	30	25	15	21	24	23	27	26	25	23	23	24	13	22	30	33	53	30	24	39	39	25.
New Martinsville	Maximum	45	39	41	45	43	52	52	40	55	52	50	35	36	46	42	55	50	40	44	40	40	38	48	54	55	59	62	62	54	66	65	48.
	Minimum	15	29	34	36	21	33	23	18	21	32	34	28	19	19	23	24	30	28	32	27	24	24	14	21	27	28	40	40	37	52	46	28.
Parkersburg	Maximum	42	39	41	45	40	54	39	43	53	53	47	30	37	48	46	49	38	35	48	38	42	36	50	55	56	62	66	56	65	65	61	47.
	Minimum	18	33	35	30	23	39	22	19	25	42	30	22	17	21	28	25	26	29	35	26	25	22	19	27	31	32	53	40	40	55	32	29.
Parsons	Maximum	37	41	38	39	41	42	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34	31	35	48	47	50	57	56	55	60	60	45.
	Minimum	13	30	30	35	21	30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	17	9	18	20	22	35	38	36	42	42	26.
Pickens	Maximum	38	40	40	42	47	51	50	48	47	55	50	44	40	47	46	59	54	49	48	42	37	32	51	51	50	55	59	56	55	57	56	48.
	Minimum	9	29	29	23	11	35	18	15	23	43	40	23	15	18	25	29	30	25	22	20	3	10	8	23	25	38	29	35	34	35	33	24.
Terra Alta	Maximum	28	30	32	32	32	..	41	41	28	35	44	44	..	23	40	42	42	40	31	..	23	28	28	38	44	48	..	53	53	42	54	37.
	Minimum	8	26	29	30	16	..	15	11	14	26	32	24	..	13	12	26	30	21	19		15	17	−5	−3	21	21	..	33	31	31	36	20.
Wellsburg	Maximum	40	38	39	41	39	51	52	38	48	54	45	35	37	46	48	50	47	37	40	38	38	34	45	51	53	57	67	62	54	63	64	46.
	Minimum	8	28	32	32	18	31	18	14	16	31	35	27	15	16	21	18	30	25	24	25	24	26	9	27	27	28	37	39	26	42	45	25.
Weston	Maximum	47	42	42	45	43	55	52	45	56	54	50	40	38	51	47	49	48	39	47	45	40	40	53	58	56	62	65	64	66	67	65	50.
	Minimum	13	33	34	38	19	32	28	15	20	31	29	29	26	19	23	22	35	29	35	28	24	20	14	20	24	26	40	38	40	36	42	27.
Wheeling (Dam 12)	Maximum	42	39	42	45	46	54	42	40	53	56	42	36	44	44	52	53	40	41	44	37	43	45	46	53	54	61	64	55	60	66	58	48.
	Minimum	13	14	31	34	21	21	22	18	18	22	36	28	20	20	24	26	25	29	30	27	25	25	14	14	21	31	35	40	29	35	52	25.
Southern Division																																	
Beckley	Maximum	32	39	44	42	48	49	39	43	36	51	46	38	33	50	46	50	48	42	36	37	40	37	50	54	56	59	58	56	52	53	57	45.
	Minimum	17	21	33	36	17	33	23	17	22	33	35	23	20	16	21	33	31	29	22	20	16	13	9	18	23	26	43	46	44	43	45	26.
Bluefield	Maximum	36	38	44	43	49	..	53	44	37	49	48	40	30	52	46	42	47	44	34	..	42	40	48	51	..	60	..	59	52	53	56	45.
	Minimum	17	21	34	36	21	..	30	20	23	34	40	25	19	18	28	35	33	32	22	..	19	19	15	21	..	25	..	46	40	42	45	28.
Charleston	Maximum	42	44	44	47	49	51	41	49	52	53	46	46	48	48	46	50	45	42	51	40	45	36	47	54	50	62	67	58	65	68	56	49.
	Minimum	22	23	35	35	23	36	24	22	23	32	40	28	30	21	24	28	33	32	33	36	28	22	21	21	31	26	31	30	45	44	53	30.
Gary *	Maximum	38	43	50	47	56	60	40	52	51	55	49	30	28	51	50	51	51	50	53	30	49	41	55	58	55	62	63	59	54	66	56	50.
	Minimum	22	27	37	39	20	20	37	21	24	30	36	29	26	19	19	26	33	32	28	26	17	16	16	18	21	25	29	42	43	43	44	27.
Hinton *	Maximum	32	39	45	50	55	46	37	48	40	51	47	32	38	48	46	47	52	45	39	31	49	41	46	50	48	48	55	55	50	58	53	45.
	Minimum	22	25	30	35	23	30	34	19	20	29	38	30	25	22	22	26	31	33	27	27	18	11	13	13	11	21	24	34	40	43	44	26.
Huntington	Maximum	48	43	43	50	47	56	53	44	58	50	50	36	39	49	45	58	48	40	53	43	46	40	53	58	59	61	67	63	69	69	58	51.
	Minimum	23	33	38	39	23	36	27	22	25	41	33	27	19	22	26	25	27	32	34	28	26	20	20	25	28	29	48	46	43	52	48	31.
Lewisburg	Maximum	34	39	41	43	46	41	46	38	36	47	49	41	34	40	40	45	49	43	35	36	39	37	36	42	45	49	56	57	53	54	55	43.
	Minimum	17	23	35	35	23	33	27	19	33	36	41	30	25	18	26	32	39	34	25	25	21	23	14	17	21	25	36	36	42	40	44	28.
Madison	Maximum	43	46	47	48	50	58	32	46	51	50	47	31	37	42	45	50	46	42	50	33	44	37	45	47	50	61	66	56	65	69	57	48.
	Minimum	18	32	39	21	24	29	19	23	22	36	27	21	19	20	21	29	32	33	26	18	17	12	18	23	26	26	48	43	44	52	28	27.
Point Pleasant	Maximum	45	41	41	50	46	54	52	48	57	53	49	36	39	51	49	59	56	39	52	43	44	42	53	58	57	61	67	65	67	68	66	51.
	Minimum	18	33	33	36	20	33	24	17	21	37	33	25	15	18	22	21	23	29	33	26	23	17	16	22	25	26	42	45	40	48	45	27.
Rainelle	Maximum	29	38	40	40	45	46	46	41	36	46	46	32	36	48	43	49	49	41	35	35	43	30	42	53	54	55	54	58	51	53	54	44.
	Minimum	17	22	33	30	16	42	21	16	22	35	31	26	21	12	19	29	36	31	23	21	7	14	4	11	14	17	31	38	41	41	43	21.
Ravenswood	Maximum	43	44	48	48	50	58	56	49	58	52	53	54	38	48	51	55	59	52	51	50	52	46	54	59	56	61	67	66	70	68	68	54.
	Minimum	16	31	34	37	17	36	22	18	25	38	42	25	13	17	22	21	23	27	32	26	23	14	14	22	26	22	45	44	39	52	45	25.
Richwood	Maximum	40	41	42	44	48	53	54	46	45	54	50	41	35	51	48	55	52	42	42	40	38	43	53	54	54	54	57	59	57	58	58	48.
	Minimum	19	23	34	35	20	35	24	24	28	38	39	27	23	19	23	32	39	31	26	22	13	13	11	18	22	24	35	43	37	46	42	27.
Robertsburg*	Maximum	46	41	41	49	49	57	36	47	58	51	42	40	39	52	47	61	41	41	51	32	45	37	52	59	59	61	67	59	70	70	56	50.
	Minimum	16	18	34	35	19	22	27	19	24	26	41	27	16	17	20	20	26	26	32	28	20	16	16	17	25	27	27	45	42	42	52	26.
Ryan	Maximum	45	45	45	50	46	51	50	48	58	50	45	33	36	45	47	48	47	36	48	41	48	37	50	48	57	56	65	60	65	65	60	49.
	Minimum	15	31	35	30	17	30	25	18	23	31	33	27	15	17	20	20	26	30	33	26	14	14	13	18	21	22	39	45	37	48	40	26.
Spencer *	Maximum	46	41	40	48	47	54	33	40	56	51	44	43	40	50	48	51	41	39	48	33	44	38	51	56	57	62	65	49	65	64	60	48.
	Minimum	16	33	34	36	19	28	26	20	21	40	43	27	17	19	20	22	28	29	33	27	21	15	14	21	22	26	40	48	43	41	43	2
Sutton	Maximum	46	46	43	44	45	55	55	45	56	56	51	42	35	50	59	48	45	39	50	50	42	42	52	57	58	62	64	64	64	65	65	51.
	Minimum	12	34	36	39	18	30	28	17	20	31	42	28	28	28	21	22	37	31	35	28	20	20	14	19	22	25	40	51	42	50	52	29.
Union	Maximum	40	35	40	42	50	..	49	43	42	47	46	45	..	43	43	42	47	44	34	..	41	40	43	51	53	54	..	56	53	51	55	45.
	Minimum	15	24	34	38	15	..	31	17	22	34	40	28	..	15	20	30	35	33	24	..	20	19	11	14	15	18	..	34	43	39	47	26.
White Sulphur Spgs.	Maximum	32	42	43	46	47	37	40	39	39	44	44	35	37	36	37	48	45	40	32	28	39	40	37	40	41	50	55	60	45	50	53	42.
	Minimum	20	32	35	16	18	33	10	12	27	37	30	20	12	19	21	36	31	25	25	20	21	8	10	13	15	18	34	40	40	40	26	24
Williamson*	Maximum	42	44	48	50	53	55	37	53	56	52	47	31	40	47	43	58	48	44	48	34	42	39	45	48	51	61	66	60	64	68	57	49.
	Minimum	21	28	36	39	25	25	33	24	25	29	43	29	20	20	25	27	31	32	36	29	20	20	22	22	26	28	29	51	46	45	50	30.

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 1 25 37—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE
APR 30 1937
UNIVERSITY OF ILLINOIS

WEST VIRGINIA SECTION

R. P. POWELL

Vol. XLIV Parkersburg, W. Va., Year, 1936 No. 13

GENERAL SUMMARY

The year averaged somewhat above normal in temperature and slightly below in precipitation. The average snowfall, 51.0 inches, was the third heaviest of State record. Excessive rains and melting snow during March caused floods in practically all streams of the State. The greatest flood of record, 55.5 feet, occurred at Wheeling, W. Va., on March 19th.

The winter months were unusually cold, while April and November averaged somewhat below the normal. March was warm, and the summer and early fall seasons were above the normal.

Wet weather prevailed generally during January, March, April, July, October, and December, but the precipitation was generally deficient during the summer months, and conditions were droughty, causing much damage to crops.

The season of growth for ripening of all crops, extended from the middle of April to the latter part of October, being somewhat longer than usual.

Cloudiness was slightly below normal. The sunshine at Parkersburg averaged 47 per cent of the possible amount, or practically normal. The average at Elkins was 51 per cent or 7 per cent above normal.

The wind movement at Parkersburg was 55,374 miles, and at Elkins 52,059.

THE WEATHER BY MONTHS

JANUARY.—A cold, wet month. Temperatures were unusually low during the last decade, with heavy snow. Navigable streams of the State were frozen or full of heavy ice from the 1st to the 7th, and from the 21st to the end of the month.

FEBRUARY.—The month was unusually cold with temperatures below zero on the 1st, 8th, 19th, and 20th. The precipitation averaged much below normal, and fell mostly during the first half of the month. Navigable streams of the State were frozen or full of heavy ice during most of the month, and navigation was suspended.

MARCH.—A warm, wet month. Excessive rains and melting snow caused a serious flood in the Parkersburg River District from the 17th to the 23d. Fruit buds were seriously injured by severe weather conditions

(Continued on Page 51.)

MONTHLY STATE DATA FOR 1936

Month	Temperature in degrees Fahrenheit				Precipitation in inches				Sky			Prevailing direction of the wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. Cloudy	Cloudy	
January...	26.7	−5.8	64	−31	4.01	+0.38	16.6	16	6	7	18	w.
February..	28.4	−4.7	80	−25	2.61	−.50	10.8	9	11	7	11	w.
March.....	45.3	+2.9	86	10	6.21	+2.24	15.9	14	10	8	13	w.
April......	49.3	−2.4	90	12	3.66	+.15	1.4	12	9	9	12	w.
May.......	64.1	+2.4	100	25	1.99	−1.98	.0	6	20	7	4	w.
June.......	70.5	+.9	105	32	2.41	−1.91	.0	7	17	8	5	w.
July.......	75.2	+2.1	112	35	5.10	+.52	.0	10	16	10	5	w.
August	75.2	+3.5	105	36	3.96	−.12	.0	11	14	10	7	w.
September.	69.4	+2.9	99	25	1.82	−1.11	.0	6	18	5	7	w.
October ...	56.5	+1.9	89	12	3.89	+1.08	T.	11	14	6	11	w.
November.	41.3	−2.0	85	1	2.54	−.22	1.8	7	12	6	12	w.
December .	37.2	+2.6	70	−8	4.02	+.68	4.5	11	11	6	14	w.
Annual....	53.3	+.4	112	−31	42.22	−.71	51.0	120	158	89	119	w.

MONTHLY EVAPORATION

Station		Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation, inches...	3.286	5.726	6.[illegible]2	[illegible].495	4.990	3.808	1.806	......
	Wind Movement, miles	2,886	1,198	1,172	8[illegible]	756	931	1,349	......

KILLING FROSTS

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Alpena	May 29	Sept. 26	Martinsburg	April 25	Oct. 27
Bancroft	April 23	Oct. 28	McNeill	May 29	Oct. 25
Bayard	May 31	Sept. 25	Morgantown	April 23	Oct. 28
Beckley	April 23	Oct. 27	New Cumberland	April 23	Oct. 27
Benson	May 15	Oct. 27	New Martinsville	April 23	Oct. 27
Bens Run	April 4	Oct. 28	Parkersburg	April 23	Oct. 28
Bluefield	April 23	Oct. 28	Parsons	April 23	Oct. 27
Brandywine	May 29	Oct. 27	Pickens	May 30	Oct. 27
Brownsville	May 5	....	Piedmont	May 15	Oct. 25
Buckhannon	April 24	Oct. 27	Point Pleasant	April 23	Oct. 28
Cairo	April 24	Oct. 28	Rainelle	May 16	Oct. 28
Charleston	April 24	Oct. 28	Ravenswood	April 22	Oct. 28
Clarksburg	April 25	Oct. 28	Reedsville	May 30	....
Creston	April 23	Oct. 28	Richwood	April 24	Oct. 27
Elkins	April 24	Oct. 28	Robertsburg	April 23	Oct. 28
Fairmont	April 23	Oct. 27	Romney	May 29	Oct. 27
Gary	April 24	Oct. 28	Ryan	April 24	Oct. 28
Glenville	April 25	Oct. 28	Spencer	April 23	Oct. 28
Grafton	April 24	Oct. 27	Sutton	April 25	Oct. 28
Hastings	April 25	Oct. 28	Terra Alta	May 29	Oct. 25
Hinton	April 23	Oct. 28	Union	April 24	Oct. 28
Huntington	April 23	Oct. 28	Upper Tract	May 29	Oct. 27
Jane Lew	April 25	Oct. 28	Valley Chapel	April 25	Oct. 27
Kearneysville	April 25	Oct. 27	Wardensville	May 29	Oct. 27
Lewisburg	....	Oct. 28	Wellsburg	May 15	Oct. 27
London	....	Oct. 28	Weston	April 23	Oct. 28
Lost Creek	May 15	Oct. 27	Wheeling (Dam 12)	April 24	Oct. 27
Madison	....	Oct. 28	White Sulphur Spgs.	May 14	Oct. 28
Mannington	April 24	Oct. 27	Williamson	Apr. 23	Oct. 28

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	......	.....	.....	.....	....
1892	52.3	99	−12	32.70	41.43	37.06	38.33	......	.....	.....	.....	....
1893	52.0	99	−25	36.26	39.68	41.40	39.82	......	116	.....	.....	....
1894	53.5	103	−29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	.....	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	.....	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28 2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	52.15	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.52	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	50.1	104	−37	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	55.7	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40 57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	112	−21	23.10	26.98	24.81	25.43	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54 0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	112	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
Period	52.9	112	−37	36.93	45.01	42.88	42.93	34.5	121	147	93	125

CLIMATOLOGICAL DATA FOR THE YEAR 1936

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	34	47.6	95	July 9†	−21	Feb. 8	34	46.45	8.36	Mar.	1.67	Sept.	79.0	124	212	52	102	w.
Brandywine	Pendleton	1,586	21	51.5	98	July 10†	−21	Feb. 8	21	34.30	7.05	Mar.	.75	Nov.	43.0	89	236	11	119	s.
Circleville	Pendleton	....	....	....	....	....	....	....	5	48.19	7.58	Mar.	1.22	Sept.	11.9	133	....	....	....	....
Harpers Ferry	Jefferson	244	....	....	....	....	....	....	47	48.56	6.74	Mar.	.83	Nov.	....	111	....	....	....	....
Kearneysville	Jefferson	548	6	53.3	105	July 10	−9	Feb. 8	6	44.29	6.32	Mar.	.59	Nov.	....	89	166	118	82	s.
Martinsburg	Berkeley	435	44	54.1	112	July 10	−6	Jan. 23	46	43.90	6.76	Mar.	.94	Sept†	34.5	108	244	103	19	w.
McNeill	Hardy	900	4	51.9	102	July 9†	−22	Feb. 8	4	46.63	9.75	July	1.18	Nov.	38.0	101	112	95	159	w.
Piedmont	Mineral	1,053	21	51.7	101	July 10	−11	Jan. 23	21	41.42	7.84	Mar.	1.04	Nov.	51.0	103	163	92	111	nw.
Romney	Hampshire	824	39	53.6	106	July 10	−20	Feb. 8	36	42.51	9.94	Mar.	1.16	May	40.2	116	126	121	119	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	17	37.57	6.26	July	.69	Sept.	106.0	103	....	....	....	w.
Upper Tract	Pendleton	1,230	40	53.4	101	July 10	−10	Jan. 23†	40	35.68	6.47	Mar.	.68	Sept.	....	65	....	....	....	....
Wardensville	Hardy	1,200	17	51.0	100	July 10	−17	Feb. 8	19	37.01	9.26	Mar.	.68	Sept.	25.4	111	....	....	....	....
Northern Division																				
Aberdeen	Upshur	1,060	....	....	....	....	....	....	13	49.24	7.65	Mar.	1.67	May	43.4	128	88	137	141	w.
Alma (near)	Tyler	800	....	....	....	....	....	....	10	40.90	5.99	Mar.	1.29	Sept.	40.3	129	149	77	140	....
Alpena	Randolph	2,571	7	48.4	94	July 10	−20	Jan. 23	7	59.93	9.39	July	2.98	May	157.0	131	151	118	97	w.
Benson	Harrison	1,080	14	....	100	July 10†	−20	Jan. 23†	14	41.58	5.81	Mar.	1.81	May	44.7	118	145	126	95	....
Bens Run	Pleasants	622	36	54.3	104	July 10†	−14	Jan. 23	36	32.35	4.16	Dec.	.75	May	44.1	115	234	76	56	....
Brownsville	Lewis	1,032	13	....	100	July 15	−20	Jan. 24	14	47.21	6.06	Mar.	1.71	May	39.7	120	....	....	....	....
Buckhannon	Upshur	1,411	44	52.8	96	June 30†	−15	Jan. 23	47	47.74	7.27	Mar.	1.41	May	57.0	123	182	78	106	....
Cairo	Ritchie	680	34	53.7	105	July 11†	−30	Jan. 24	34	35.29	6.09	Mar.	.85	July	....	71	....	....	....	....
Clarksburg	Harrison	1,015	14	51.8	99	July 10	−16	Jan. 25	14	40.42	8.26	July	.80	Sept.	42.5	127	114	139	113	w.
Crawford	Lewis	1,107	....	....	....	....	....	....	14	46.69	7.04	Mar.	1.86	Sept.	43.9	135	149	125	92	sw.
Creston	Wirt	640	37	53.8	103	July 10	−26	Jan. 24	37	35.35	5.45	Mar.	.63	June	30.1	109	170	52	144	....
Dam 10 Mon. R.	Marion	826	....	....	....	....	....	....	15	43.25	8.03	Mar.	1.24	June	36.6	134	....	....	....	....
Dam 13 O. R.	Ohio	655	....	....	....	....	....	....	21	36.12	5.63	July	.77	Sept.	....	121	....	....	....	....
Dam 15 Mon. R.	Monongalia	882	....	....	....	....	....	....	15	42.18	6.57	Mar.	1.11	Sept.	40.5	132	....	....	....	....
Davis	Tucker	3,093	....	....	....	....	....	....	27	58.48	9.80	Mar.	1.45	Sept.	150.5	121	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	27	38.95	6.02	Aug.	1.36	May	....	129	....	....	....	....
Elkins	Randolph	1,947	38	50.5	96	July 10	−16	Jan. 23	38	51.47	8.32	Mar.	1.55	Sept.	60.4	157	78	123	165	w.
Fairmont	Marion	883	31	54.3	103	July 14†	−14	Jan. 23	45	40.97	5.42	July	.88	Sept.	57.9	137	167	73	126	w.
Glenville	Gilmer	738	44	55.4	102	July 10	−25	Jan. 24	50	42.30	6.54	Mar.	1.47	June	27.9	134	165	60	141	w.
Grafton	Taylor	1,000	43	53.6	98	July 10†	−13	Jan. 23†	45	47.26	8.06	July	2.09	May	64.5	112	....	....	....	....
Hastings	Wetzel	809	2	56.7	107	July 12	−25	Jan. 24	2	44.52	5.99	July	.88	June	35.8	132	162	57	147	w.
Horner	Lewis	1,044	....	....	....	....	....	....	14	48.64	8.10	Mar.	1.31	May	....	99	....	....	....	....
Jane Lew	Lewis	1,020	14	54.1	100	July 10†	−19	Jan. 25	14	44.02	7.44	Aug.	1.75	Sept.	32.0	99	193	66	107	nw.
Lost Creek	Harrison	1,026	41	53.5	102	July 9†	−21	Jan. 25	41	37.48	4.96	Mar.	1.49	Feb.	32.8	114	160	71	135	w.
Mannington	Marion	985	36	51.1	95	Aug. 21	−22	Jan. 25	36	43.82	6.72	July	1.64	Sept.	57.3	155	146	86	134	w.
Morgantown	Monongalia	1,250	41	51.5	97	Aug. 21†	−16	Jan. 23	63	37.17	6.15	Mar.	1.60	Sept.	56.0	100	195	70	101	sw.
New Cumberland	Hancock	671	40	51.9	103	July 9†	−14	Jan. 23	40	36.48	5.15	Aug.	1.20	June	45.2	147	136	91	139	nw.
New Martinsville	Wetzel	634	44	53.9	102	July 14	−14	Jan. 23†	44	39.22	5.00	Mar.	.62	May	36.0	75	....	....	....	n.
Parkersburg	Wood	638	49	54.3	103	July 14	−16	Jan. 23	49	31.53	4.83	Mar.	1.17	July	42.9	129	114	111	141	sw.
Parsons	Tucker	1,649	38	52.0	100	July 9	−15	Jan. 23	38	48.81	8.02	July	1.96	Sept.	....	....	....	....	....	....
Parsons No. 2	Tucker	1,649	....	....	....	....	....	....	11	52.06	8.42	July	1.86	Sept.	58.5	140	195	81	90	....
Philippi	Barbour	1,550	....	....	....	....	....	....	44	47.38	9.29	July	1.17	Sept.	....	124	....	....	....	....
Pickens	Randolph	2,697	47	48.5	95	July 10	−18	Jan. 23†	47	65.22	7.85	Jan.	2.18	Sept.	143.5	140	166	81	119	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	14	44.99	6.28	Mar.	1.95	June	65.9	118	183	43	140	....
Saint Marys	Pleasants	577	....	....	....	....	....	....	29	38.61	6.09	July	.66	June	....	121	....	....	....	....
Thomas	Tucker	1,112	....	....	....	....	....	....	8	55.77	8.71	Mar.	2.33	Sept.	82.5	123	....	....	....	....
Valley Chapel	Lewis	1,011	14	53.7	100	July 15	−22	Jan. 24	14	42.31	6.33	Mar.	1.63	May†	55.5	127	124	148	94	w.
Vandalia	Lewis	1,120	....	....	....	....	....	....	14	47.48	6.55	Mar.	2.02	May	....	92	....	....	....	....
Wellsburg	Brooke	668	38	51.4	105	July 14	−17	Jan. 25	45	41.22	6.02	Mar.	2.15	Feb.	31.5	100	186	75	105	w.
West Milford	Harrison	979	....	....	....	....	....	....	12	43.16	6.05	Aug.	1.79	Sept.	....	104	....	....	....	....
Weston	Lewis	1,026	44	55.6	104	July 9	−20	Jan. 24	49	49.10	7.29	July	1.66	May	52.6	151	26	237	103	....
Wheeling (Dam 12)	Ohio	645	50	52.1	103	July 9†	−15	Jan. 23	53	36.64	5.37	July	1.59	May	44.2	127	131	89	146	sw.
Woodlands	Marshall	637	....	....	....	....	....	....	11	39.13	5.77	July	.87	May	31.5	101	....	....	....	....
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	12	38.01	5.08	Mar.	.22	Nov.	63.5	113	....	....	....	w.
Bancroft	Putnam	574	36	56.8	106	July 10†	−15	Jan. 23	36	38.53	4.15	Aug.	.86	June	34.0	110	175	21	170	w.
Beckley	Raleigh	2,440	36	52.1	100	June 30	−19	Jan. 23	40	46.22	8.06	July	2.08	May	54.2	154	106	165	95	....
Bluefield	Mercer	2,563	43	53.7	94	June 30†	−13	Jan. 23	45	46.37	6.42	July	1.25	Nov.	50.8	122	....	....	....	....
Camden-on-Gauley	Webster	2,029	....	....	....	....	....	....	18	44.83	7.32	Mar.	1.09	Sept.	71.2	160	....	....	....	....
Charleston	Kanawha	600	33	57.5	102	July 10†	−9	Jan. 23	33	35.81	4.77	Mar.	.93	Sept.	32.5	116	174	81	111	....
Clay	Clay	706	....	....	....	....	....	....	33	41.64	7.29	July	1.08	May	45.4	141	....	....	....	....
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	12	33.16	3.95	Mar.	1.08	June	....	122	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	20	29.41	4.80	Mar.	.37	June	....	110	....	....	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	20	32.43	4.83	Mar.	.71	June	....	117	....	....	....	....
Dam 25 O. R.	Mason	565	....	....	....	....	....	....	10	33.23	4.56	Mar.	.78	Sept.	....	113	....	....	....	....
Dam 26 O. R.	Mason	564	....	....	....	....	....	....	21	35.09	5.62	Mar.	.90	Feb.	....	117	....	....	....	....
Gary	McDowell	1,426	20	54.6	98	June 29†	−8	Jan. 1†	20	45.50	7.90	July	1.59	Nov.	46.0	134	....	....	....	....
Hinton	Summers	1,431	40	55.5	105	July 9	−8	Jan. 23	48	40.26	5.29	Mar.	1.06	Nov.	40.3	120	216	50	100	....
Huntington	Cabell	538	40	57.6	105	Aug. 21	−12	Jan. 23	43	40.45	5.47	Mar.	1.43	Feb.	43.5	112	86	171	109	sw.
Kanawha Falls	Fayette	618	....	....	....	....	....	....	18	40.57	6.23	Mar.	1.41	Sept.	41.0	124	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	21	42.09	5.79	Aug.	1.35	June	57.6	147	....	....	....	....
Logan	Logan	700	....	....	....	....	....	....	36	35.93	4.96	Jan.	1.39	May	34.8	129	....	....	....	....
London	Kanawha	623	1	....	....	....	....	....	1	35.87	5.53	July	1.17	June	....	142	....	....	....	....
Point Pleasant	Mason	595	44	56.0	104	July 10†	−18	Jan. 24	48	41.26	6.20	Mar.	.84	June	41.9	136	156	100	110	sw.
Rainelle	Greenbrier	2,424	7	50.1	96	July 9†	−19	Jan. 23	7	49.63	6.88	Mar.	1.52	June	88.0	158	158	46	162	....
Ravenswood (Dam 22).	Jackson	584	14	57.1	109	July 15	−22	Jan. 24	22	33.16	4.92	Mar.	.70	June	....	111	154	62	150	nw.
Richwood	Nicholas	2,193	7	53.6	101	July 12	−16	Jan. 22†	7	42.04	7.53	Mar.	1.30	June	83.1	163	141	116	109	sw.
Robertsburg	Putnam	570	37	55.2	104	July 10	−16	Jan. 24†	37	33.81	4.18	Oct.	1.03	June	31.5	127	....	....	....	....
Ryan	Roane	700	35	52.5	100	July 27†	−30	Jan. 24	35	42.12	5.67	Mar†	1.45	Sept.	48.9	136	157	99	110	....
Spencer	Roane	784	40	54.6	103	July 14†	−23	Jan. 24	40	41.51	5.47	Oct.	1.24	Sept.	41.0	127	138	122	106	....
Summersville	Nicholas	1,894	....	....	....	....	....	....	3	41.84	7.00	Mar.	1.64	June	64.0	100	....	....	....	....
Sutton	Braxton	850	32	55.2	102	July 10†	−17	Feb. 1	36	46.13	7.73	Mar.	1.05	Sept.	71.0	115	233	0	133	....
Thornwood	Pocahontas	2,723	....	....	....	....	....	....	2	40.80	6.19	July	1.33	Aug.	....	88	....	....	....	....
Union	Monroe	2,250	34	54.1	98	June 30†	−8	Feb. 8†	34	37.44	5.39	Mar†	.93	Nov.	....	89	....	....	....	....
Wayne	Wayne	598	....	....	....	....	....	....	11	38.55	5.67	Mar.	.49	June	....	112	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	25	52.1	100	July 10	−15	Feb. 8	25	34.81	5.55	Jan.	.75	Nov.	....	81	229	47	90	....
Williamson	Mingo	660	37	56.9	102	June 17†	−6	Jan. 23	37	43.86	7.11	July	1.55	May	31.3	136	149	113	104	nw.
State averages and	extremes	....	....	53.3	112	July 10	−30	Jan. 24	....	42.22	9.94	Mar.	.37	June	51.0	120	158	89	119	w.

† Also on other dates

Monthly and Annual Mean Temperatures for the Year 1936, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	22.3	−6.5	23.7	−5.9	39.6	+1.9	44.2	+0.5	56.6	+0.2	64.4	+0.9	67.9	+0.3	68.6	+2.8	62.3	+1.4	51.0	+1.8	37.8	−1.3	33.4	+5.3	47.6	+0.1
Brandywine	25.9	−5.0	27.3	−7.4	44.4	+3.0	47.7	−2.2	60.4	+1.8	67.0	0.0	72.4	+1.1	73.3	+3.4	68.2	+3.5	56.4	+3.1	41.5	−0.5	33.5	−0.7	51.5	0.0
Kearneysville	26.0	.....	25.2	.....	47.4	.....	49.6	.....	65.2	.....	70.8	.....	76.3	.....	75.8	.....	68.6	.....	57.5	.....	42.4	.....	34.6	.....	53.3	.....
Martinsburg	[a]26.6	−4.4	[a]25.3	−6.1	[a]46.6	+5.0	[a]49.5	−2.1	[a]67.0	+4.2	[a]72.8	+1.8	[a]78.7	+3.0	[a]78.2	+5.2	[a]70.0	+3.1	[a]57.3	+2.6	[a]42.4	−0.8	[a]35.3	+1.3	54.1	+1.1
McNeill	25.2	−7.8	25.8	−8.5	44.2	+3.2	49.2	−2.6	62.8	+2.6	68.8	+1.0	73.9	+2.3	74.0	+2.5	68.2	+2.4	56.1	+2.0	41.8	−0.9	33.0	+0.4	51.9	−0.3
Piedmont	24.7	−6.2	25.8	−8.0	44.2	+3.0	47.5	−2.9	62.7	+2.7	69.0	+0.9	75.1	+2.8	74.4	+3.9	67.7	+2.0	55.2	+1.8	41.1	−1.1	33.0	0.0	51.7	−0.1
Romney	26.6	−4.9	27.2	−7.0	46.3	+3.9	49.4	−2.3	65.7	+2.8	70.7	+0.8	76.9	+2.0	76.3	+3.7	70.5	+3.7	57.8	+2.9	42.6	−0.5	33.8	−0.7	53.6	+0.3
Upper Tract	[a]29.0	−3.7	29.5	−4.0	46.7	+4.4	51.0	+0.6	[b]63.2	+2.9	[d]69.4	+2.0	[a]74.0	+2.3	[c]73.6	+3.4	[c]68.0	+2.7	[b]56.9	+2.6	[d]43.4	−0.4	[e]36.2	+2.6	53.4	+1.3
Wardensville	[b]25.9	−4.9	[a]23.4	−10.4	[b]44.4	+2.5	[a]47.4	−2.2	[d]61.4	+2.0	67.4	+1.9	[f]74.0	+3.4	[c]73.6	+4.1	[d]67.0	+2.8	[b]55.2	+2.6	[b]39.5	−4.4	[e]33.4	−0.3	51.0	−0.2
Northern Division																										
Alpena	23.5	.....	25.8	.....	40.2	.....	43.8	.....	59.2	.....	67.3	.....	68.4	.....	68.4	.....	62.8	.....	51.2	.....	36.4	.....	34.1	.....	48.4	.....
Benson	.....	.....	.....	.....	46.1	+5.8	49.0	−3.6	62.6	−1.8	69.7	+1.5	74.0	+1.5	74.9	+4.2	69.0	+2.1	[a]56.3	+3.4	40.9	−2.2	37.5	+1.3	.....	.....
Bens Run	25.0	−7.9	26.7	−6.1	46.4	+2.9	50.4	−2.4	66.0	+3.0	73.6	+2.8	78.0	+2.9	78.0	+4.4	72.4	+4.0	56.7	+0.1	40.8	−3.3	37.2	+2.4	54.3	+0.3
Brownsville	27.2	−7.4	29.0	−8.6	46.0	+4.1	49.4	−2.9	59.9	−1.7	68.3	−1.2	76.2	+2.4	73.4	+1.2	66.8	−0.8	.....	.....	.....	.....	40.2	+3.6	.....	.....
Buckhannon	27.4	−5.1	29.0	−4.1	45.8	+3.9	48.8	−2.3	62.8	+1.7	70.2	+1.8	73.4	+1.6	73.2	+3.3	67.6	+3.1	55.0	+1.2	42.0	−0.2	38.6	+4.4	52.8	+0.8
Cairo	[c]25.7	−8.7	27.0	−7.2	[c]47.9	+3.6	50.0	−4.0	64.4	+1.3	[a]71.6	+1.3	75.9	+1.6	76.0	+3.5	70.3	+2.2	57.3	+1.5	40.9	−2.8	[f]37.2	+2.5	53.7	−0.3
Clarksburg	25.3	−7.3	25.6	−9.0	43.1	+3.4	48.6	−2.6	63.6	+3.3	70.0	+0.6	73.8	0.0	74.5	+2.5	68.2	+0.7	55.2	+1.8	37.9	−4.9	35.6	+0.4	51.8	−0.9
Creston	25.8	−8.3	27.8	−6.9	45.9	+1.9	49.0	−3.4	65.0	+1.9	70.8	+0.1	76.4	+5.7	75.9	+2.8	70.5	+2.7	59.2	+3.5	41.6	−2.6	38.2	+2.9	53.8	+0.3
Elkins	25.2	−5.2	27.5	−4.1	42.3	+2.3	46.1	−2.7	60.0	+0.8	66.4	−0.5	70.9	+0.6	71.8	+2.7	66.2	+3.2	53.6	+1.3	38.6	−1.7	36.9	+4.2	50.5	+0.1
Fairmont	27.1	−5.1	27.8	−5.3	45.7	+4.2	50.1	−1.7	67.2	+5.1	72.4	+2.1	76.6	+2.3	77.4	+4.7	71.6	+4.2	57.8	+2.7	40.8	−2.1	37.6	+3.6	54.3	+1.2
Glenville	28.6	−5.2	30.7	−3.9	48.2	+3.5	51.2	−2.7	67.1	+3.5	73.8	+2.7	77.2	+1.9	76.9	+3.0	71.3	+2.8	57.6	+1.4	43.0	−1.3	39.2	+3.3	55.4	+0.8
Grafton	28.0	−4.6	29.8	−2.8	45.7	+4.2	49.0	−2.5	64.2	+2.7	70.0	+0.9	73.8	+1.2	75.0	+3.6	68.8	+1.7	57.0	+1.8	41.5	−1.6	40.0	+5.8	53.6	+0.9
Hastings	28.8	.....	31.3	.....	49.0	.....	51.8	.....	69.0	.....	75.4	.....	77.6	.....	79.2	.....	72.1	.....	59.8	.....	44.2	.....	42.2	.....	56.7	.....
Janelew	27.4	−7.9	29.6	−8.5	46.6	+4.2	50.2	−2.7	64.6	+4.6	71.2	+1.7	74.8	+0.8	75.8	+3.7	70.2	+2.6	57.0	+1.9	42.4	−2.4	39.0	+1.9	54.1	0.0
Lost Creek	26.4	−6.5	28.6	−4.1	44.9	+2.5	49.4	−1.2	63.8	+3.4	71.4	+3.8	74.9	+2.7	75.4	+4.7	70.3	+5.1	57.0	+2.8	41.2	−1.4	38.4	+4.0	53.5	+1.3
Mannington	24.9	−7.0	26.0	−6.8	43.7	+1.4	46.8	−4.3	61.9	+1.5	67.8	0.0	71.8	0.0	73.0	+2.8	66.9	+2.0	54.4	+0.8	39.3	−2.7	37.0	+3.4	51.1	−0.7
Morgantown	23.3	−9.0	27.4	−5.4	40.9	−1.2	45.4	−6.3	67.8	+5.7	70.4	+1.1	72.8	−0.7	72.6	+0.6	67.8	+0.3	51.4	−3.8	40.4	−3.4	[a]37.4	+3.0	51.5	−1.6
New Cumberland	25.6	−3.0	24.9	−4.2	[b]43.8	+4.4	46.4	−2.8	63.8	+3.6	70.4	+2.2	73.6	+0.6	74.8	+4.0	69.4	+3.9	55.0	+1.0	39.8	−1.8	35.8	+4.1	51.9	+1.0
New Martinsville	26.4	−6.7	27.7	−5.8	*46.0	+2.7	48.7	−4.4	65.1	+2.1	72.1	+1.0	75.4	+0.2	77.5	+3.8	71.2	+2.7	56.8	0.0	41.8	−3.0	38.4	+3.1	53.9	−0.4
Parkersburg	25.8	−6.7	27.8	−6.4	46.0	+3.2	49.4	−4.0	65.6	+1.8	73.2	+1.8	77.6	+2.2	77.7	+3.8	71.6	+4.3	57.0	+0.9	40.9	−2.9	38.7	+3.5	54.3	+0.1
Parsons	[a]26.6	−7.9	28.4	−3.3	42.4	+1.9	48.8	−0.4	62.2	+3.4	69.6	+2.7	72.8	+2.0	74.0	+4.6	68.2	+4.5	55.2	+3.7	39.8	−1.4	[n]36.1	+3.8	52.0	+1.1
Pickens	23.4	−7.5	27.3	−4.6	[a]41.0	+1.8	45.6	−2.5	59.8	+1.7	62.2	−2.7	67.0	−1.6	64.5	−1.0	63.2	+1.4	[a]53.2	+1.5	[a]38.4	−2.0	36.4	+4.2	48.5	−0.9
Reedsville	23.4	.....	24.1	.....	41.3	.....	44.4	.....	60.2	.....	65.0	.....	70.0	.....	71.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Terra Alta	[e]21.2	−6.7	[c]23.8	−5.0	[d]39.8	+1.9	[e]44.0	−2.8	[j]57.6	+0.2	[h]64.4	−0.3	.....	.....	.....	.....	.....	.....	[c]49.8	+0.8	.....	.....	[d]29.0	−1.6	.....	.....
Valley Chapel	27.8	−7.3	29.0	−9.5	46.2	+3.7	49.2	−3.9	64.4	+2.8	71.2	+1.6	75.1	+1.1	75.2	+2.7	69.4	+1.4	56.5	+1.1	41.6	−3.4	39.2	+1.7	53.7	−0.7
Wellsburg	24.7	−5.5	24.1	−5.9	43.1	+3.3	46.2	−3.4	62.7	+2.5	69.0	+1.0	73.8	+1.6	74.4	+4.1	68.6	+3.7	54.9	+1.4	38.8	−3.0	36.2	+3.8	51.4	+0.3
Weston	28.2	−5.9	31.6	−2.3	47.6	+3.8	51.1	−2.7	66.0	+3.3	73.8	+3.4	[a]77.4	+3.0	77.7	+5.0	72.7	+5.4	58.6	+3.1	43.9	−0.1	39.2	+3.4	55.6	+1.6
Wheeling (Dam 12)	24.4	−6.0	24.6	−7.5	42.8	+2.3	46.7	−4.9	63.6	+1.8	71.2	+0.6	76.2	+1.4	76.1	+3.3	68.8	+1.4	54.5	−0.4	39.0	−3.2	37.0	+4.4	52.1	−0.6
Southern Division																										
Bancroft	30.1	−4.2	31.9	−3.0	49.8	+6.0	52.4	−1.1	67.8	+5.0	73.8	+3.1	79.2	+4.5	78.1	+5.0	73.7	+5.3	60.6	+4.0	44.4	−0.3	40.3	+4.9	56.8	+2.4
Beckley	26.8	−6.4	29.7	−5.0	44.4	+1.7	[l]46.6	−3.6	[g]63.4	+3.6	69.8	−0.1	72.9	+1.3	72.6	+2.7	67.4	+4.2	55.3	+2.4	40.0	−0.3	36.3	+5.0	52.1	+0.5
Bluefield	[d]30.1	−4.8	[e]32.2	−2.6	[e]46.1	+1.7	[d]50.6	−3.6	[f]64.4	+2.8	[e]69.0	−1.1	[e]72.8	+1.2	[f]73.6	+3.1	[i]68.2	+2.0	[d]57.2	+1.5	[e]43.5	−1.4	[d]37.0	+0.1	53.7	0.0
Charleston	32.6	−5.3	34.6	−4.6	50.9	+3.5	55.5	−0.8	68.6	+3.2	74.7	+1.6	79.4	+2.5	78.6	+3.3	72.8	+1.9	58.8	−0.1	43.4	−4.5	39.9	+0.3	57.5	+0.1
Gary	29.4	−5.7	31.6	−6.3	[b]46.2	+3.7	51.8	−1.6	[h]65.4	+4.3	[a]71.8	+2.5	75.6	+2.5	75.3	+3.3	69.6	+1.1	[a]58.2	+2.6	41.5	−3.5	39.0	+1.2	54.6	+0.3
Hinton	31.0	−3.5	32.5	−3.0	[c]47.5	+3.4	52.3	−0.9	67.0	+3.6	73.8	+3.3	77.6	+3.2	77.2	+3.9	[c]70.9	+2.9	56.4	−0.6	[f]44.0	−0.1	36.2	+0.4	55.5	+1.0
Huntington	29.8	−4.2	33.0	−1.7	50.2	+5.2	53.6	−1.0	66.8	+4.1	75.8	+2.9	80.8	+4.2	80.0	+5.2	74.0	+5.0	59.6	+3.2	44.2	−0.1	41.3	+5.7	57.6	+2.4
London	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[c]79.2	.....	71.8	.....	60.2	.....	43.8	.....	40.1	.....	.....	.....
Madison	25.8	−10.8	29.2	−4.4	43.0	+0.3	.....	.....	.....	.....	.....	.....	.....	.....	[b]78.4	+4.0	[c]72.2	+4.5	[c]57.4	+1.8	[b]41.4	−2.1	37.8	+2.8	.....	.....
Point Pleasant	28.7	−5.4	30.5	−2.9	48.5	+3.3	51.6	−3.3	67.5	+2.8	74.3	+1.9	79.0	+2.6	78.2	+3.5	72.8	+6.9	58.9	+1.7	42.7	−2.6	39.9	+3.1	56.0	+1.0
Rainelle	25.2	.....	28.2	.....	43.0	.....	[b]47.8	.....	59.4	.....	66.1	.....	71.0	.....	70.4	.....	65.2	.....	53.3	.....	37.4	.....	34.4	.....	50.1	.....
Ravenswood (Dam 22)	30.1	−5.3	32.6	−6.2	48.6	+5.3	52.2	−1.6	69.0	+7.1	74.1	+3.6	80.2	+5.1	79.4	+6.5	72.4	+3.0	60.8	+4.5	44.5	−1.2	41.2	+3.3	57.1	+2.0
Richwood	30.0	.....	30.6	.....	45.2	.....	50.2	.....	62.7	.....	70.0	.....	76.2	.....	74.4	.....	68.4	.....	56.8	.....	40.8	.....	38.2	.....	53.6	.....
Robertsburg	27.0	−6.3	[d]28.2	−5.9	46.0	+2.1	52.0	−1.0	67.1	+3.9	73.3	+2.1	79.0	+3.6	77.7	+3.8	[g]73.0	+4.6	[c]59.0	+2.4	41.5	−2.1	38.4	+3.7	55.2	+0.9
Ryan	21.8	−11.2	24.0	−10.3	42.2	−0.6	51.2	−0.8	64.4	+3.2	70.9	+2.1	75.7	+2.6	75.2	+3.5	68.8	+4.2	56.8	+4.1	41.4	−2.0	37.8	+3.3	52.5	−0.2
Spencer	28.1	−5.6	30.2	−5.0	46.0	+3.1	51.2	−1.6	66.0	+4.0	72.2	+2.5	77.4	+3.8	77.1	+4.8	70.4	+3.9	57.2	+2.3	41.6	−2.5	38.4	+1.9	54.6	+1.0
Sutton	29.3	−5.0	[b]30.8	−5.3	47.2	+3.0	51.2	−1.6	65.4	+2.1	72.0	+0.7	76.4	+1.6	76.7	+3.6	71.6	+2.9	58.2	+1.5	43.4	−0.6	40.4	+5.2	55.2	+0.7
Union	33.8	+0.5	[d]32.4	−2.8	[e]46.0	+2.6	[d]50.7	−1.1	[e]63.7	+2.8	[d]70.4	+2.6	[d]74.6	+3.0	[e]74.6	+4.4	[d]68.4	+2.3	[d]57.9	+3.5	[e]41.2	−1.2	[d]36.0	+2.0	54.1	+1.6
White Sulphur Springs	26.6	−5.5	30.2	−5.3	45.0	+2.4	49.5	−1.9	62.3	+1.8	69.4	+1.4	73.6	+2.0	73.0	+2.7	66.2	+1.3	56.1	+3.7	40.6	−1.5	33.0	−0.1	52.1	+0.1
Williamson	30.8	−5.2	33.4	−4.0	48.9	+2.2	55.4	−0.1	68.6	+3.6	75.0	+2.4	78.6	+2.5	78.1	+3.3	71.7	+2.0	59.3	+1.5	43.4	−2.2	39.8	+2.2	56.9	+0.7

Reference letters indicate number of days missing; [a] one day, [b] two days, etc. * Interpolated

THE WEATHER BY MONTHS—Continued

of the past winter, and most peach trees were killed.

APRIL.—Cool and generally cloudy, with precipitation averaging slightly above normal. Heavy to killing frosts occurred frequently, but on account of the season being backward, little damage resulted.

MAY.—A warm, dry month. In some scattered districts the rains were too light to moisten the soil. Cool weather during the last few days of the month, together with the lack of moisture, greatly retarded the growth of crops. Oats and wheat were generally in poor to fair condition and heading very short.

JUNE.—Driest June of State record. One of the most severe droughts of record for the State during the growing season, and crops suffered severely. Potatoes were in poor condition and slowly drying up, and pastures and meadows were burned brown. The temperature averaged somewhat above the normal.

JULY.—The month was abnormally warm and somewhat wet. Many stations reported the highest temperatures of July record. The rainfall over the western counties was insufficient for crop growth, and pastures were seriously injured, and many fields were burned brown.

AUGUST.—A warm, dry month. Temperature readings of 100 degrees or above occurred generally from the 19th to the 23d. On account of the warm, dry weather, the month was unfavorable for growth and farm work.

SEPTEMBER.-The month was decidedly warm and somewhat dry. Unusually high temperatures prevailed from the 11th to the 16th. Corn cutting progressed rapidly during the month, and many fields were in shock, and fall plowing and seeding were general.

OCTOBER.-A warm, wet month. Near the close of the month freezing temperatures and killing frosts occurred, but on account of the lateness of the season, the cold weather caused but little damage. The weather was generally favorable for apple picking, corn husking, and farm work.

NOVEMBER.-The month was somewhat colder and slightly drier than usual, with temperatures near zero in the mountain districts on the mornings of the 19th and 27th. The snowfall was light and unimportant. Winter grains were mostly in good condition, and pastures were green in many localities as the month closed.

DECEMBER.-The weather during December was mild with more than the average precipitation. The snowfall was much below normal, and the ground was bare during most of the month. Winter grains were in fair to good condition, and pastures were green in some districts.

ERRATA

Correct Monthly Climatological Data for 1936 to read:

February: Robertsburg—Mean minimum temperature, 13.7; Mean temp., 28.2.
June: Clarksburg—Evaporation, should be 6.852.
October: Glenville—Mean temperature, 57.6.

Monthly and Annual Precipitation for the Year 1936, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	5.65	+1.15	3.31	-0.19	8.36	+3.85	3.46	-0.38	2.22	-2.08	2.53	-2.60	4.99	+0.75	3.53	-0.85	1.67	-1.64	4.78	+1.52	2.32	-0.68	3.63	-0.21	46.45	-1.36
Brandywine	2.85	+0.51	2.45	+0.69	7.05	+4.58	2.10	-0.57	2.85	-0.23	3.55	-0.33	2.80	-0.77	1.90	-1.68	1.60	-0.78	3.30	+0.93	.75	-1.03	3.10	+1.00	34.30	+2.32
Circleville	3.65	......	3.15	......	7.58	......	3.68	......	3.61	......	4.05	......	6.39	......	3.88	......	1.22	......	5.62	......	1.73	......	3.63	......	48.19	......
Harpers Ferry	5.77	+3.06	3.14	+0.88	6.74	+3.69	2.21	-1.04	1.35	-2.09	5.34	+1.69	3.19	-0.31	6.47	+2.48	1.11	-1.55	6.53	+3.27	.83	-1.36	5.88	+3.27	48.56	+11.99
Kearneysville	4.64	......	2.94	......	6.32	......	2.18	......	2.11	......	4.62	......	4.14	......	5.69	......	1.68	......	4.27	......	.59	......	5.11	......	44.29	......
Martinsburg	2.99	+0.48	2.35	-0.05	6.76	+3.50	2.96	-0.15	1.27	-2.12	4.51	+0.37	4.55	+0.93	5.29	+1.23	.94	-1.98	6.72	+3.65	.94	-1.31	4.62	+1.86	43.90	+6.41
McNeill	3.97	+1.59	2.64	+0.51	8.74	+6.15	2.24	-0.72	1.97	-1.26	5.08	+1.48	9.75	+6.72	2.38	-0.61	1.49	-0.79	3.18	+0.87	1.18	-0.37	4.01	+1.95	45.63	+15.52
Piedmont	4.63	+2.05	3.19	+0.95	7.84	+4.86	3.58	+0.57	1.11	-2.54	3.78	-0.22	3.70	+0.22	3.06	-0.53	1.16	-1.25	4.40	+1.75	1.04	-0.85	3.93	+1.52	41.42	+6.53
Romney	4.27	+1.88	2.96	+1.06	9.94	+7.08	2.68	-0.29	1.16	-2.37	2.42	-1.40	4.93	+1.45	2.03	-1.58	1.68	-1.00	5.06	+2.51	1.58	-0.20	3.80	+1.55	42.51	+8.69
Stony River Dam	2.92	+0.11	1.49	-1.36	6.14	+2.79	4.19	+0.44	1.83	-2.77	2.04	-1.98	6.26	+2.12	2.01	-2.57	.69	-2.09	4.71	+1.51	1.80	-1.15	3.49	+0.25	37.57	-4.70
Upper Tract	2.13	+0.03	1.52	-0.14	6.47	+4.30	3.01	+0.71	1.74	-1.11	3.59	+0.08	4.82	+1.40	3.68	+0.44	.68	-1.67	4.36	+2.13	1.12	-0.41	2.56	+0.79	35.68	+6.55
Wardensville	4.12	+1.99	2.91	+1.20	9.26	+7.06	2.03	-0.48	1.48	-1.48	2.78	-0.22	3.59	+0.49	2.10	-1.53	.68	-1.91	3.80	+0.64	.82	-0.81	3.44	+1.70	37.01	+6.65
Northern Division																										
Aberdeen	4.56	+1.16	2.92	-0.18	7.65	+3.86	3.83	+0.03	1.67	-2.20	3.51	-0.85	6.61	+1.82	4.96	+0.48	2.75	-0.56	3.30	-0.24	3.03	-0.31	4.45	+1.45	49.24	+4.46
Alma (near)	2.85	......	2.21	......	5.99	......	3.34	......	2.13	......	1.61	......	4.31	......	5.79	......	1.29	......	4.59	......	3.33	......	3.46	......	40.90	......
Alpena	5.34	......	3.45	......	9.22	......	5.29	......	2.98	......	3.86	......	9.39	......	4.83	......	3.02	......	4.08	......	3.34	...	5.13	......	59.93	......
Benson	4.07	+0.46	2.55	-1.16	5.81	+2.35	3.76	+0.55	1.81	-2.12	2.28	-2.03	4.77	-0.38	4.08	-0.37	2.02	-1.61	2.58	-0.98	3.32	-0.17	4.53	+1.04	41.58	-4.42
Bens Run	2.80	1.18	1.68	-1.43	3.62	-0.42	4.10	+0.54	.75	-3.25	2.34	-1.88	3.67	-0.85	3.99	-0.25	1.25	-1.34	3.08	+0.06	.91	-1.98	4.16	+0.60	32.35	-11.39
Brownsville	4.19	+0.60	2.25	-0.82	6.06	+2.59	4.39	+1.03	1.71	-2.52	4.00	-0.31	6.03	+1.23	5.95	+1.68	1.75	-2.00	3.18	-0.24	3.09	-0.58	4.61	+1.29	47.21	+1.95
Buckhannon	4.94	+0.54	3.14	-0.62	7.27	+2.76	4.26	+0.37	1.41	-3.02	5.12	+0.41	6.16	+1.44	1.86	-2.23	1.89	-1.07	3.98	+0.84	3.09	-0.01	4.62	+0.44	47.74	-0.15
Cairo	3.88	-0.07	1.84	-1.13	6.09	+2.27	2.80	-0.66	1.35	-2.07	1.05	-3.46	.85	-3.57	1.49	-2.38	3.08	+0.28	4.26	+1.34	3.98	+1.10	4.62	+1.17	35.29	-7.18
Clarksburg	3.73	+0.42	2.45	-0.59	5.47	+2.45	3.28	-0.09	1.71	-1.94	2.07	-2.20	8.26	+4.18	3.40	-1.08	.80	-2.80	2.46	-0.67	2.84	-0.35	3.92	+0.84	40.42	-1.83
Crawford	4.75	+1.27	2.85	-0.47	7.04	+2.71	4.04	-0.19	2.30	-2.19	2.89	-1.88	5.87	+0.73	4.95	+0.37	1.86	-1.88	3.08	-0.41	2.81	-0.83	4.25	+0.66	46.69	-2.11
Creston	3.41	-0.52	2.37	-0.82	5.45	+1.35	3.76	+0.10	3.14	-0.57	.63	-3.75	2.75	-1.47	3.80	-0.06	1.28	-1.41	2.20	-0.95	2.74	-0.01	3.82	+0.35	35.35	-7.76
Dam 10, Mon. R.	3.73	+0.54	2.80	-0.07	8.03	+4.26	3.19	-0.28	2.50	-1.57	1.24	-3.10	6.63	+2.55	3.55	-0.51	1.38	-2.14	3.10	-0.07	3.28	+0.13	3.82	+0.40	43.25	+0.14
Dam 13, O. R.	3.63	+0.50	2.03	-0.40	5.32	+1.89	3.32	.00	1.04	-2.38	.90	-2.93	5.63	+1.27	4.21	+0.84	.77	-2.21	3.66	+0.97	3.13	+0.75	2.48	-0.50	36.12	-2.20
Dam 15, Mon. R.	3.79	+0.57	2.70	-0.29	6.57	+3.47	3.27	-0.02	2.38	-1.22	3.56	-0.45	6.35	+2.42	2.77	-1.36	1.11	-2.08	2.90	-0.34	2.97	-0.32	3.81	+0.68	42.18	+1.04
Davis	5.82	+1.81	2.51	-0.96	9.80	+6.05	6.28	+2.61	3.51	-0.73	3.89	-1.07	6.98	+2.33	6.46	+1.89	1.45	-1.85	5.97	+2.56	2.54	-0.16	3.27	-0.76	58.48	+11.72
Elizabeth	2.87	-0.90	1.68	-1.18	5.86	+2.11	4.13	+0.96	1.36	-2.07	1.67	-2.54	1.87	-2.53	6.02	+2.02	1.88	-0.71	4.49	+1.57	2.90	+0.36	4.22	+1.09	38.95	-1.82
Elkins	4.74	+0.96	2.92	-0.28	8.32	+4.52	4.07	+0.45	4.30	+0.25	3.05	-2.01	8.12	+2.74	3.44	-0.42	1.55	-1.60	4.34	+1.43	2.61	-0.17	4.01	+0.55	51.47	+6.42
Fairmont	3.62	-0.31	2.31	-0.71	5.36	+1.39	3.22	-0.05	2.87	-1.01	4.53	+0.12	5.42	+1.02	2.30	-1.70	.88	-2.07	2.88	-0.23	3.06	+0.30	4.52	+1.03	40.97	-2.22
Glenville	4.77	+0.34	2.73	-0.84	6.54	+2.25	3.86	+0.10	1.93	-2.19	1.47	-2.92	3.59	-1.28	3.57	-0.66	2.31	-0.91	3.54	+0.33	3.52	+0.47	4.47	+0.54	42.30	-4.77
Grafton	4.75	+1.18	3.34	+0.43	6.01	+2.25	3.93	+0.64	2.09	-1.59	3.66	-0.47	8.06	+3.98	2.66	-1.05	2.26	-0.35	3.39	+0.43	2.71	+0.28	4.40	+1.32	47.26	+7.05
Hastings	3.77	....	2.92	......	5.92	......	3.62	......	1.86	......	.88	......	5.99	......	3.98	......	2.01	......	4.78	......	3.53	......	5.26	......	44.52	......
Horner	4.95	+0.92	2.32	-1.33	8.10	+4.34	4.38	+1.02	1.31	-3.36	4.28	-0.02	3.73	-1.07	5.77	+0.89	2.45	-1.08	3.85	+0.16	1.77	-2.02	5.73	+2.20	48.64	+0.65
Janelew	3.51	+0.25	2.02	-0.75	6.06	+2.80	3.68	+0.03	1.89	-2.71	3.28	-0.79	4.06	-0.88	7.44	+2.59	1.75	-1.49	3.35	+0.03	2.91	-0.41	4.07	+0.99	44.02	-0.34
Lost Creek	3.11	-0.81	1.49	-1.59	4.96	+1.04	3.88	+0.46	1.73	-2.42	2.14	-2.19	3.81	-0.52	4.47	+0.24	1.69	-1.30	3.07	+0.08	2.89	-0.01	4.33	+0.80	37.48	-6.22
Mannington	3.92	-0.20	2.94	+0.04	6.63	+2.60	3.72	+0.02	2.07	-1.94	1.73	-2.55	6.72	+1.93	3.36	-0.72	1.64	-1.75	3.69	+0.52	3.17	+0.13	4.23	+0.66	43.82	-1.26
Morgantown	3.53	+0.07	2.89	+0.33	6.15	+2.76	2.96	-0.19	2.25	-1.45	2.04	-2.20	3.62	-0.76	4.68	+0.67	1.60	-1.27	2.56	-0.59	1.86	-0.67	3.03	-0.07	37.17	-3.37
New Cumberland	2.94	+0.10	1.73	0.71	4.57	+1.33	2.49	-0.79	1.28	-2.12	1.20	-3.35	4.80	+0.72	5.15	+1.76	2.63	-0.28	4.42	+1.70	2.81	+0.49	2.46	-0.30	36.48	-1.45
New Martinsville	3.27	-0.71	2.89	+0.05	*5.00	+1.21	4.12	+0.62	.62	-3.05	.80	-3.31	4.99	+0.50	4.69	+0.80	.83	-2.20	4.31	+1.19	3.41	+0.57	4.29	+0.73	39.22	-3.60
Parkersburg	2.49	-1.09	1.92	-1.31	4.83	+1.34	3.54	+0.35	1.46	-1.92	2.07	-1.93	1.17	-3.12	2.77	-0.74	1.98	-0.78	3.44	+0.96	2.56	-0.01	3.30	+0.27	31.53	-7.98
Parsons	3.50	-1.11	4.00	+0.48	6.30	+2.09	4.50	+0.74	3.03	-1.10	3.40	-1.59	8.02	+2.93	2.72	-1.33	1.96	-1.19	3.67	+0.40	3.03	+0.10	4.68	+0.63	48.81	+1.05
Parsons (No. 2)	4.45	-0.16	3.11	-0.41	7.29	+3.08	4.11	+0.35	3.89	-0.24	4.18	-0.81	8.42	+3.33	2.75	-1.30	1.86	-1.29	4.90	+1.63	2.32	-0.61	4.78	+0.73	52.06	+4.30
Philippi	4.21	+0.07	3.31	+0.13	5.65	+1.51	4.34	+0.62	2.28	-1.99	2.74	-1.95	9.29	+4.56	3.48	-0.76	1.17	-2.13	3.66	+0.52	2.98	+0.05	4.27	+0.50	47.38	+1.13
Pickens	7.85	+1.53	4.94	-0.15	7.52	+1.61	5.75	+0.56	3.86	-1.39	4.66	-1.14	6.32	+0.28	5.01	-0.46	2.18	-1.92	7.50	+3.46	3.37	-0.85	6.26	+0.88	65.22	+2.41
Reedsville	4.89	......	3.79	......	7.94	......	3.45	......	2.18	......	3.04	......	4.59	......	3.27	......	..	......	....	......	....	......	....	...	......	......
Roanoke	4.40	+0.80	2.42	-0.96	6.28	+2.66	3.22	-0.36	2.64	-1.72	1.95	-2.36	5.61	+0.72	5.79	+1.45	3.40	.00	2.07	-1.35	3.19	-0.18	4.02	+0.65	44.99	-0.65
St. Marys	3.55	-0.19	2.23	-0.70	5.64	+1.72	3.55	+0.13	1.59	-2.12	.66	-3.51	6.09	+1.93	2.33	-1.76	1.44	-1.26	4.63	+1.77	2.91	+0.11	4.19	+0.85	38.61	-3.03
Terra Alta	5.11	+0.2[illegible]	4.03	+0.44	7.31	+2.87	4.31	+0.21	2.01	-2.97	2.68	-3.50	....	......	....	......	...	.. . .	5.50	+1.61	3.18	-0.02	6.30	+1.56	......	......
Thomas	3.41	......	2.92	......	7.81	......	4.27	......	2.79	......	3.45	......	8.34	......	5.94	......	2.33	......	6.83	......	2.43	......	4.34	......	55.77	......
Valley Chapel	4.61	+1.07	2.40	-0.61	6.33	+2.64	3.79	+0.38	1.63	-2.26	2.92	-0.83	4.51	-0.42	4.99	+0.83	1.63	-1.69	2.57	-0.84	3.11	-0.16	3.76	+0.54	42.31	-1.35
Vandalia	5.17	+2.10	4.21	+1.19	6.55	+3.35	3.99	+0.29	2.02	-1.56	2.85	-0.96	5.96	+0.80	4.49	+0.27	2.70	-0.57	3.02	+0.05	2.75	-0.63	3.77	+1.37	47.48	+5.72
Wellsburg	2.90	-0.15	2.15	-0.04	6.02	+2.83	2.23	-0.93	2.16	-1.04	2.23	-1.91	4.78	+0.60	4.10	+0.54	3.96	+0.97	5.07	+2.35	3.30	+0.73	2.32	-0.59	41.22	+3.36
West Milford	3.34	+0.27	2.95	-0.38	5.93	+2.39	3.89	+0.07	1.85	-1.86	2.13	-2.14	4.50	-0.15	6.05	+1.43	1.79	-1.48	3.11	-1.11	3.05	-0.56	4.57	+1.49	43.16	-2.05
Weston	4.63	+0.52	2.89	-0.71	6.91	+2.63	4.36	+0.85	1.66	-2.18	1.79	-2.55	7.29	+2.87	6.65	+2.95	1.74	-0.89	3.39	+0.58	3.16	+0.22	4.63	+1.00	49.10	+5.29
Wheeling (Dam 12)	2.65	-0.45	1.90	-0.45	4.96	+1.71	2.87	-0.37	1.59	-1.77	2.70	-1.13	5.37	+0.88	3.23	-0.28	1.62	-1.41	4.25	+1.51	2.95	+0.48	2.55	-0.47	36.64	-1.75
Woodlands	2.32	......	2.04	......	5.32	......	3.45	......	.87	......	2.42	......	5.77	......	4.47	......	.93	......	4.51	......	3.33	......	3.70	......	39.13	......
Southern Division																										
Arbovale	2.81	......	2.43	......	5.08	......	2.71	......	2.29	......	3.50	......	4.83	......	2.32	......	2.84	......	3.78	......	1.22	......	4.20	......	38.01	......
Bancroft	3.72	-0.35	1.99	-1.10	3.80	-0.20	4.13	+0.70	1.98	1.77	.86	-3.46	3.84	-0.33	4.15	+0.05	2.99	+0.11	4.12	+1.14	3.32	+0.70	3.63	+0.16	38.53	-4.37
Beckley	5.26	+1.59	3.19	+0.24	5.15	+1.38	4.62	+1.14	2.08	-1.54	2.61	-1.80	8.06	+3.58	3.25	-0.59	2.40	-0.14	3.33	+0.35	2.21	-0.38	4.06	+0.75	46.22	+4.68
Bluefield	5.40	+2.39	4.05	+1.12	5.48	+2.36	3.79	+0.68	2.69	-0.43	2.82	-1.41	6.42	+2.35	4.93	+1.32	2.59	+0.27	3.09	+0.32	1.25	-0.80	3.86	+0.98	46.37	+9.15
Camden-on-Gauley	4.05	......	3.55	......	7.32	......	3.36	......	2.41	......	1.88	......	5.45	......	4.70	......	1.09	......	3.86	......	2.63	......	4.59	.....	44.83	......
Charleston	3.88	-0.15	1.91	-1.40	4.77	+0.27	3.34	-0.73	1.19	-2.59	1.26	-3.13	3.51	-1.27	3.30	-1.17	.93	-2.05	4.36	+1.32	2.96	-0.11	4.40	+0.76	35.81	-10.05
Clay	3.26	-0.42	1.42	-1.84	5.79	+1.64	3.69	+0.25	1.08	-2.71	1.28	-3.23	7.29	+2.31	5.00	+0.51	1.60	-1.62	4.34	+1.36	2.97	+0.07	3.92	+0.42	41.64	-3.26
Dam 6 G. K.	3.87	+1.32	1.68	-1.20	3.95	+0.37	3.92	+0.66	1.16	-1.46	1.08	-2.01	3.23	-1.79	3.00	-1.28	1.36	-1.48	3.61	+0.48	2.70	+0.12	3.60	+1.17	33.16	-5.10
Dam 19 O. R.	2.48	-0.93	1.59	-0.98	4.80	+1.26	3.52	+0.34	.99	-2.43	.37	-3.55	2.04	-1.89	2.03	-1.63	1.51	-1.15	3.64	+0.99	3.31	+0.67	3.13	0.00	29.41	-9.30
Dam 20 O. R.	3.44	-0.18	2.21	-0.55	4.83	+1.12	3.65	+0.41	1.54	-1.92	.71	-3.28	2.52	-1.41	2.21	-1.58	1.58	-1.01	3.48	+0.73	2.99	+0.39	3.27	+0.13	32.43	-7.15
Dam 25 O. R.	1.84	......	1.10	......	4.56	......	3.90	......	1.47	......	.87	......	4.08	......	3.37	......	.78	......	4.52	......	3.52	......	3.22	.....	33.23	......
Dam 26 O. R.	2.56	-1.28	.90	-2.03	5.62	+1.74	4.07	+0.80	1.19	-2.49	1.35	-2.68	3.00	-0.88	3.41	+0.25	1.95	-0.23	3.86	+1.23	3.89	+1.21	3.29	+0.03	35.09	-4.33
Gary	4.95	+1.48	3.85	+0.71	3.94	-0.22	4.07	+0.58	1.77	-2.20	2.45	-2.62	7.90	+2.97	4.16	+0.05	3.40	+0.41	3.03	+0.13	1.59	-1.11	4.41	+1.04	45.50	+1.22
Hinton	4.95	+1.69	3.48	+0.59	5.29	+1.39	2.87	-0.33	3.57	+0.02	1.58	-2.72	4.44	+0.37	3.62	-0.54	1.77	-0.92	3.40	+0.57	1.06	-1.35	4.23	+1.05	40.26	-0.18
Huntington	3.71	-0.08	1.43	-1.65	5.47	+1.25	4.66	+1.15	1.51	-2.46	1.45	-2.78	3.67	-0.63	5.16	+1.46	1.89	-0.56	4.31	+1.79	3.57	+1.05	3.62	+0.25	40.45	-1.21
Kanawha Falls	4.60	+1.39	2.78	+0.14	6.23	+3.03	2.59	-1.13	3.67	-0.23	1.83	-2.25	5.98	+1.12	2.83	-2.06	1.41	-1.75	3.30	.00	1.95	-1.18	3.40	+0.04	40.57	-2.88
Kayford	5.11	+0.89	2.62	-0.82	4.48	-0.16	3.18	-0.88	1.90	-2.50	1.35	-3.84	5.47	+0.30	5.79	+0.96	2.00	-1.38	3.76	+0.44	2.29	-0.86	4.14	+0.23	42.09	-7.62
Logan	4.96	+0.54	2.19	-1.31	4.32	-0.40	3.78	-0.57	1.39	-2.72	1.65	-3.24	2.71	-2.22	3.25	-1.24	2.80	-0.35	2.59	-0.46	2.16	-1.07	4.13	+0.03	35.93	-12.81
London	4.17	......	2.39	......	4.33	......	3.40	......	1.69	......	1.17	......	5.53	......	2.50	......	1.55	......	3.81	......	2.33	......	3.00	......	35.87	......
Madison	4.23	+0.13	2.38	-0.85	5.20	+1.02	.....	......	.....	......	.....	......	.....	......	.....	......	1.91	-1.55	2.57	-0.06	2.52	-0.13	4.23	+1.33	......	......
Point Pleasant	3.32	-0.63	1.58	-1.57	6.20	+2.11	4.39	+1.08	1.78	-2.21	.84	-3.24	6.01	+1.90	2.82	-0.39	1.60	-0.81	4.51	+1.73	4.19	+1.36	3.96	+0.46	41.26	-0.21
Rainelle	5.35	......	4.29	......	6.88	......	4.16	......	2.29	......	1.52	......	6.34	......	5.83	......	2.07	......	3.61	......	2.68	......	4.61	......	49.63	......
Ravenswood (Dam 22)	2.26	-1.34	1.30	-1.67	4.92	+1.03	4.00	+0.84	1.59	-2.12	.70	-3.44	3.45	-0.57	2.65	-0.70	1.00	-1.30	3.83	+1.04	3.78	+1.06	3.68	+0.36	33.16	-6.81
Richwood	3.00	......	3.11	......	7.53	......	3.34	......	3.11	......	1.30	......	4.55	......	3.49	......	2.09	......	3.83	......	2.44	.....	4.25	......	42.04	......
Robertsburg	3.39	-0.54	1.30	-1.74	3.79	-0.16	3.71	+0.43	1.74	-1.66	1.03	-2.79	2.60	-1.16	3.08	-0.42	2.05	-0.41	4.18	+1.47	3.53	+0.98	3.38	+0.04	33.81	-5.96
Ryan	4.26	+0.21	1.69	-1.59	5.67	+1.31	4.52	+0.74	1.91	-1.73	3.31	-1.34	3.93	-0.67	2.05	-2.03	1.45	-1.55	5.67	+2.51	3.25	+0.38	4.41	+1.16	42.12	-2.60
Sharples	....	... ..	....	......	2.46	-1.28	2.60	-1.29	.82	-3.25	.16	-4.42	2.66	-2.43	2.05	-2.70	1.09	-2.03	3.31	+0.54	2.25	-0.99	3.48	-0.10	......	......
Spencer	4.01	0.00	1.47	+1.32	4.63	+0.56	3.78	+0.39	2.55	-1.09	2.06	-2.45	1.89	-2.35	3.95	-0.02	1.24	-1.64	5.47	+2.31	3.29	+0.62	4.16	+0.75	41.51	-1.60
Summersville	4.20	......	3.05	......	7.00	......	3.26	......	3.40	......	1.64	......	3.57	......	3.87	......	1.98	......	2.95	......	2.60	....	4.32	......	41.84	......
Sutton	5.12	+0.58	3.52	+0.08	7.73	+3.39	4.48	+0.63	1.20	-3.16	2.90	-2.06	1.25	-1.08	4.20	-0.05	1.05	-2.30	3.90	+0.91	3.30	+0.10	4.48	+0.66	46.13	-2.30
Thornwood	4.15	......	2.95	......	5.44	......	3.58	......	2.50	......	2.87	......	6.19	......	1.33	......	2.02	......	4.41	......	1.45	......	3.91	......	40.80	......
Union	4.93	+1.78	3.63	+0.78	5.39	+1.84	2.34	-0.55	1.44	-1.76	1.40	-2.59	5.39	+1.60	3.66	-0.27	2.85	+0.30	2.34	-0.39	.93	-1.41	3.15	+0.23	37.44	-0.44
Wayne	4.16	......	2.04	......	5.67	......	4.35	.....	1.12	......	.49	......	3.69	......	3.58	......	3.54	......	3.01	......	3.24	......	3.66	......	38.55	......
White Sulphur Springs	5.55	+2.22	4.00	+1.37	5.35	+1.78	2.75	-0.53	1.25	-2.22	2.50	-1.48	3.05	-0.87	2.41	-1.18	1.80	-1.04	2.80	-0.01	.75	-1.53	2.60	-0.50	34.81	-3.99
Williamson	4.68	+0.73	2.38	-0.97	4.96	+0.42	3.81	+0.13	1.55	-2.53	1.90	-2.87	7.11	+2.68	5.42	+1.43	2.71	-0.28	2.72	-0.07	2.19	-0.63	4.43	+0.65	43.86	-1.31

* Interpolated

(WBO, Cleveland, 4-19-37—1200)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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R. P. POWELL

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VOL. XLV PARKERSBURG, W. VA., JANUARY 1937 No. 1

GENERAL SUMMARY

January 1937 was remarkably wet. The average monthly precipitation, 8.50 inches, was more than twice the normal, and considerably in excess of any previous January State record. Precipitation occurred frequently throughout the month, but from the 10th to the 25th was almost continuous, and during some of the time unusually heavy, causing a serious and destructive flood, the second greatest of record along the Ohio, in the Parkersburg river district. The weather continued mild throughout the month, the average temperature, 43.2°, was the second highest of January State record. Unusually high temperatures for the season prevailed on the 8th, 14th, and 24th, the highest temperatures of the month, ranging from 62° to 78°, occurred at practically all stations on the 8th. The absolute minimum temperature for the month, 11°, was the highest of January State record. The snowfall was unusually light and unimportant. Winter grains made satisfactory progress and were in fair to good condition during most of the month, although many fields were much too wet for plowing. At the close of the month, meadows and pastures were green in many districts, and early fruit buds were beginning to swell.

TEMPERATURE

The average temperature for the northeastern panhandle division was 40.1°, or 9.1° above normal; for the northern division, 43.1°, or 10.5° above normal; for the southern division, 44.6°, 10.6° above normal; and for the State, 43.2°, or 10.4° above normal. The highest monthly mean temperature was 47.2° at Gary and London, and the lowest was 37.2° at Terra Alta. The highest temperature was 78° at Parsons on the 8th, and London on the 24th; and the lowest, 11° at Romney on the 5th, and McNeill on the 6th, making the monthly range for the State 67°. The greatest daily range was 47° at Creston on the 27th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 5.72 inches, or 2.51 inches above normal; for the northern division, 9.25 inches, or 5.22 inches above normal; for the southern division, 8.55 inches, or 4.85 inches above normal; and for the State, 8.50 inches, or 4.77 inches above normal. The greatest monthly amounts of precipitation were received in the central and western counties, and the least in the northeastern panhandle districts. The greatest monthly precipitation was 12.07 inches at Huntington, and the least, 4.04 inches at McNeill. The average snowfall, 0.6 inch, was 7.3 inches below normal. The greatest monthly snowfall was 8.0 inches at Wellsburg. The greatest amount of precipitation in any 24 consecutive hours was 2.10 inches at Dam 26, Ohio River, on the 18th.

RIVER

The Ohio River was above flood stage from January 18th to February 2d, inclusive. The following crest stages in feet and tenths, were noted: Wheeling (Dam 12), 48.7; Marietta, 55.0; Parkersburg, 55.4; Ravenswood (Dam 22), 60.5; Pt. Pleasant, 62.7; Huntington, 69.0. This was the greatest flood of record at Huntington.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 4; 5th, 1; 7th, 1: 8th, 3, 9th, 1; 10th, 1: 12th, 1; 13th, 1. 18th, 1; 19th, 2; 22d, 2: 23d, 2: 24th, 1; 25th, 1; 27th, 1; 28th, 2: 29th, 1: 30th, 2.

Sleet: 2d, 5; 3d, 1; 17th, 1; 18th, 1; 20th, 4: 21st, 1: 22d, 1; 23d, 11; 24th, 1; 25th, 1: 28th, 1: 29th, 3; 30th, 1.

Thunderstorms; 24th, 6.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.20	30.62	27	29.59	2	8.7	24	w.	21	88	77	80	31
Columbus, Ohio	30.18	30.68	27	29.61	2	10.6	37	s.	14	83	75	76	22
Elkins	30.24	30.72	27	29.66	3	7.1	35	sw.	22	87	74	81	32
Parkersburg	30.22	30.72	27	29.64	3	7.1	28	nw.	21	87	76	75	20
Pittsburgh, Pa	30.18	30.73	27	29.57	3	11.9	35	n.	21	84	77	76	40
Wytheville, Va	30.20	30.66	6	29.72	3	6.5	27	w.	3	88	76	80	23

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	......	......	3.24	4.23	3.24	3.64	......	......	......	......	......
1892	29.4	76	−3	2.95	3.57	2.66	3.15	......	11	......	......	......
1893	22.6	71	−25	2.26	2.87	2.02	2 49	......	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	......	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	......	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	14	8
1897	28.8	69	−18	1 50	1.87	1.56	1.70	4 0	9	10	7	14
1898	37.1	75	−5	4 32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3 11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2 98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28 7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3 98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32 0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4 82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	**8.50**	.6	17	6	6	19
Period	32.8	83	−34	3.21	4.03	3.70	3.73	7.9	12	9	7	15

Climatological Data for January 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	40.4	+11.6	67	13	12	27	35	7.58	+3.08	0.95	T.	16	13	2	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	42.0	+11.1	67	9	18	†6	28	4.75	+2.41	1.35	0.0	14	7	0	24	s.	Elmer Keister
Circleville	Pendleton	......	5	......	......	......	......	......	......	....	6.16	......	.89	T.	16	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	......	......	......	......	......	......	....	4.77	+2.06	.70	.0	18	....	....	....	......	Eleanor White
Kearneysville	Jefferson	548	7	40.3	......	70	8	21	27	40	5.31	......	.95	.0	13	6	7	18	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	^{a}39.4	+8.4	^{a}65	9	22	†5	^{a}30	5.49	+2.98	.80	T.	20	9	14	8	ne.	Dr. H. S. Gardner
McNeill	Hardy	900	41	39.1	+8.1	73	8	11	6	46	4.04	+1.66	1.15	.0	11	3	3	25	w.	D. M. McNeill
Piedmont	Mineral	1,053	24	38.2	+7.3	67	14	18	5	29	7.03	+4.45	1.69	3.0	12	2	8	21	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	39	38.4	+6.9	72	9	11	5	42	5.55	+3.16	.70	.0	16	4	6	21	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	......	......	......	......	......	......	....	6.93	+4.12	1.30	T.	14	....	....	....	......	A. C. Becker
Upper Tract ^{b}	Pendleton	1,230	38	42.3	+9.6	70	9	18	†27	37	6.72	+4.62	1.96	.0	11	5	4	20	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	16	^{e}40.7	+9.9	^{e}71	10	^{e}17	5	^{b}38	4.37	+2.24	.66	T.	13	^{b}5	^{b}6	^{b}15	......	Reymaun Memorial Farm
Division averages	and extremes	......	....	**40.1**	**+9.1**	**73**	**8**	**11**	**†5**	**46**	**5.72**	**+2.51**	**1.69**	**.2**	**14**	**6**	**6**	**19**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	......	......	......	......	......	......	....	9.27	+5.87	1.16	.0	17	3	8	20	w.	L. Else Bond
Alma (near)	Tyler	800	10	......	......	......	......	......	......	....	8.91	......	1.49	2.5	17	2	7	22	......	D. N. Furbee
Alpena	Randolph	2,571	7	39.7	......	70	8	13	27	32	8.29	......	1.51	.0	17	4	13	14	......	Christian Hertig
Benson	Harrison	1,080	13	43.5	+9.4	73	9	15	5	45	10.06	+6.45	1.48	T.	17	6	10	15	......	R. D. Marts
Bens Run	Tyler	652	35	42.4	+9.5	69	8	24	†4	29	10.10	+6.12	1.53	3.0	16	9	6	16	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	^{d}47.0	+12.4	^{d}74	8	15	5	^{d}45	9.15	+5.56	1.14	.0	14	4	18	9	......	W. B. Worley
Buckhannon	Upshur	1,411	40	44.8	+12.3	71	8	18	5	40	8.86	+4.46	1.00	.0	16	5	11	15	......	H. A. Darnall
Cairo	Ritchie	680	36	42.8	+8.4	73	9	15	5	44	10.80	+6.85	1.90	2.0	12	5	4	22	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	41.6	+9.0	71	8	17	5	43	8.68	+5.37	1.42	T.	17	4	6	21	se.	Clarksburg Water Board
Crawford	Lewis	1,107	14	......	......	......	......	......	......	....	8.52	+5.04	.91	.0	17	6	9	16	sw.	George W. Blair
Creston	Wirt	640	35	45.8	+11.7	72	8	12	†27	47	9.97	+6.04	1.79	T.	17	7	4	20	......	J. L. Ledsome
Dam 10 Mon. R	Marion	826	16	......	......	......	......	......	......	....	8.52	+5.33	1.54	1.0	20	....	....	....	......	Lockmaster
Dam 13 O. R	Ohio	655	21	......	......	......	......	......	......	....	10.95	+7.82	1.70	.0	18	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	16	......	......	......	......	......	......	....	8.82	+5.60	1.52	1.0	20	....	....	....	......	Lockmaster
Davis	Tucker	3,093	28	......	......	......	......	......	......	....	8.69	+4.68	1.29	.0	15	....	....	....	......	Mrs. I. C. Beunett
Elizabeth (Dam 3 L. K)	Wirt	615	25	......	......	......	......	......	......	....	10.99	+7.22	1.70	.0	17	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	36	43.4	+13.0	72	8	18	27	33	6.92	+3.14	1.00	.0	19	2	10	19	se.	U. S. Weather Bureau
Fairmont	Marion	883	31	42.8	+10.6	74	8	21	†27	41	8.00	+4.07	1.53	1.5	19	6	6	19	s.	J. C. Robiuson
Glenville	Gilmer	738	43	44.6	+10.8	75	8	18	5	35	10.62	+6.19	1.54	T.	18	6	8	17	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	44.4	+11.8	74	†8	18	5	42	9.53	+5.96	1.84	.0	16	7	12	12	......	L. W. Clayton
Hastiugs	Wetzel	809	2	45.2	......	72	8	22	5	31	10.29	......	1.69	2.5	16	2	4	25	w.	L. G. McIntyre
Horner	Lewis	1,044	14	......	......	......	......	......	......	....	8.95	+4.92	1.50	.0	13	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	14	45.2	+9.9	72	8	17	5	40	10.19	+6.93	1.30	T.	15	11	4	16	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	39	43.7	+10.8	72	8	17	5	41	9.72	+5.80	1.56	T	17	4	6	21	w.	Allen Smith
Manningtou	Marion	985	34	42.3	+10.4	69	8	16	5	37	9.20	+5.08	1.64	2.4	17	3	9	19	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	44.2	+11.9	72	8	21	27	36	8.92	+5.46	1.97	1.5	12	3	13	15	n.	Bruce Davis
New Cumberland	Hancock	671	39	38.9	+10.3	68	8	16	27	28	8.82	+6.18	1.39	3.2	17	5	4	22	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	43.5	+10.4	70	8	23	27	37	9.74	+5.76	1.45	3.5	16	3	6	22	n.	Wm. Ankrom
Parkersburg	Wood	615	50	41.9	+9.6	71	8	24	27	35	8.99	+5.41	1.39	2.0	20	2	6	23	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	43.4	+8.9	78	8	20	27	40	5.45	+0.84	......	.0	14	3	9	19	......	J. W. Swisher
Philippi	Barbour	1,550	40	......	......	......	......	......	......	....	8.47	+4.33	1.52	.0	15	....	....	....	......	H. F. Brittinham
Pickens ^{a}	Randolph	2,697	34	43.9	+13.0	67	8	12	26	39	10.12	+3.80	1.56	.0	18	6	4	20	sw.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	......	......	......	......	......	......	....	8.57	+4.97	.95	.0	17	4	5	22	......	Miss Mary A. Conrad
Terra Alta ^{f}	Preston	2,559	36	37.2	+9.3	62	9	13	28	35	9.80	+4.92	1.90	.0	9	2	8	15	sw.	Ernest Naedele
Thomas	Tucker	2,950	8	......	......	......	......	......	......	....	8.39	......	1.00	.0	18	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	14	44.5	+9.4	71	8	18	5	37	10.27	+6.73	1.49	.0	17	7	5	19	sw.	J. C. Campbell
Vandalia	Lewis	1,120	14	......	......	......	......	......	......	....	8.18	+5.11	1.04	.0	14	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	30	38.8	+8.6	67	8	16	27	28	9.09	+6.04	1.53	8.0	16	7	5	19	w.	George P. Pfister
West Milford	Harrison	979	12	......	......	......	......	......	......	..	10.65	+7.58	1.70	.0	15	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	45.8	+11.7	74	8	20	5	39	10.08	+5.97	1.61	.0	18	1	10	20	......	A. Henry
Wheeling (Dam 12)	Ohio	659	50	41.4	+11.0	68	8	20	26	39	9.76	+6.72	1.51	5.0	17	2	5	24	sw.	Lockmaster
Woodlands	Marshall	637	10	......	......	......	......	......	......	....	9.34	......	1.50	.0	16	....	....	....	......	R. W. Rist
Division averages	and extremes	......	....	**43.1**	**+10.5**	**78**	**8**	**12**	**†26**	**47**	**9.25**	**+5.22**	**1.97**	**.9**	**16**	**5**	**7**	**19**	**sw.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	......	......	......	......	......	......	....	6.32	......	1.52	2.5	16	....	....	....	......	H. S. Sutton
Bancroft	Putnam	574	33	46.7	+12.4	77	7	22	4	38	9.61	+5.54	1.32	.0	16	7	1	23	w.	Charles N. Long
Beckley	Raleigh	2,440	34	43.1	+9.9	72	8	17	4	36	8.07	+4.40	1.34	.0	21	3	5	23	......	L. A. Mauck
Bluefield ^{e}	Mercer	2,558	42	44.4	+9.5	72	8	19	4	36	6.81	+3.80	1.33	.0	18	7	4	15	......	Norfolk & Western Ry.
Charleston	Kanawha	600	34	46.4	+8.5	74	14	26	†4	40	8.46	+4.43	1.62	.0	14	6	4	21	......	S. E. Damron
Clay	Clay	706	21	......	......	......	......	......	......	....	7.66	+3.98	.92	.0	21	....	....	...	......	S. E. Woofter
Dam 6 G. K	Kanawha	598	10	......	......	......	......	......	......	....	8.73	+6.18	1.10	.0	19	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	21	......	......	......	......	......	......	....	9.79	+6.38	1.42	4.0	19	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	21	......	......	......	......	......	......	....	8.87	+5.25	1.42	.0	21	....	....	....	......	Lockmaster
Dam 25 O. R	Mason	565	10	......	......	......	......	......	......	....	11.05	......	1.93	.0	16	....	....	....	......	Lockmaster
Dam 26 O. R	Mason	564	21	......	......	......	......	......	......	....	9.77	+5.93	2.10	.0	16	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	21	47.2	+12.1	74	9	21	5	34	6.41	+2.96	.76	.0	21	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	43.2	+8.7	72	18	20	5	35	7.25	+3.99	1.27	.0	20	7	4	20	......	Mrs. M. L. McClung
Huntington	Cabell	538	40	46.5	+12.5	74	8	25	4	41	12.07	+8.28	1.76	T.	19	4	5	22	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	......	......	......	......	......	......	....	6.89	+3.68	1.24	.0	18	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	21	......	......	......	......	......	......	....	7.06	+2.84	1.09	.0	22	....	....	....	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	41.8	+9.4	65	9	20	5	27	7.10	+3.75	1.59	.0	19	8	13	10	......	J. K. Mouroe
Logan	Logan	700	34	......	......	......	......	......	......	....	7.98	+3.56	1.21	.0	20	....	....	....	......	Paul A. Simonds
London	Kanawha	623	1	47.2	......	78	24	23	5	44	7.30	......	.98	.0	20	8	0	23	se.	Lockmaster
Madison	Boone	675	16	^{b}45.4	+8.8	^{b}73	†8	^{b}22	†3	^{b}39	7.71	+3.61	.97	.0	14	3	1	27	......	C. B. Whitlock
Marlinton	Pocahontas	2,185	37	^{e}43.4	+15.4	^{e}76	8	^{e}16	5	^{e}44	6.04	+1.84	1.57	2.0	15	^{b}8	^{b}3	^{b}18	sw.	M. B. Bruce
Point Pleasant	Mason	595	44	^{k}44.7	+10.6	^{k}73	8	^{k}23	†1	^{k}34	11.68	+7.73	2.00	1.0	17	^{f}1	^{f}4	^{f}20	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	41.1	......	69	8	14	5	37	7.85	......	1.30	.0	24	3	4	24	......	L. G. Swiug
Ravenswood (Dam 22)	Jackson	584	14	45.8	+10.4	75	8	20	27	44	11.40	+7.80	1.75	.0	15	9	1	21	ne.	Lockmaster
Richwood	Nicholas	2,193	7	45.8	......	71	8	18	4	35	6.38	......	.96	.0	18	6	14	11	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	44.5	+11.2	73	8	23	†4	41	11.46	+7.53	1.84	.0	18	6	0	25	......	M. Frazier
Ryan	Roane	700	34	43.1	+10.1	75	8	18	†4	41	9.92	+5.87	1.15	T.	19	4	9	18	......	Wm E. Ryan
Spencer	Roane	789	33	43.6	+9.9	74	8	22	5	37	10.64	+6.63	1.47	.0	18	4	5	22	......	A. M. McKown
Summersville	Nicholas	1,894	4	......	......	......	......	......	......	....	8.23	......	1.11	.0	16	....	....	....	......	Mrs. Ella E. Taylor
Sutton	Braxton	850	31	46.4	+12.1	74	†8	19	5	34	8.40	+3.86	1.10	.0	16	14	0	17	......	C. B. Eakle
Union ^{e}	Monroe	2,250	33	42.5	+9.2	69	†8	17	5	36	6.55	+3.40	1.42	.0	14	6	3	17	.....	C. B. Kiug
Wayne	Wayne	598	10	......	......	......	......	......	......	....	11.31	......	2.03	.0	18	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	41.8	+9.7	66	8	13	14	32	7.95	+4.62	1.20	.0	19	7	5	19	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	46.9	+10.9	74	14	25	†4	42	7.98	+4.03	1.34	.0	19	7	3	21	ne.	J. E. Dotson
Division averages	and extremes	......	....	**44.6**	**+10.6**	**78**	**24**	**13**	**14**	**44**	**8.55**	**+4.85**	**2.10**	**.3**	**18**	**6**	**4**	**21**	**sw.**	
State averages and	extremes	......	....	**43.2**	**+10.4**	**78**	**†8**	**11**	**†5**	**47**	**8.50**	**+4.77**	**2.10**	**.6**	**17**	**6**	**6**	**19**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for January 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	....	....	.76	....	....	.75	....	.02	.95	.13	....	....	....	.40	....	....	.67	.08	.50	.75	.36	....	.60	.85	.38	....	....	....	.20	....	.18	7.58
Brandywine	do	....	.80	.10	....	....	....	.60	....	....	.15	....	....	....	....	.20	....	.35	T.	.20	1.35	.05	T.	.20	.05	.20	....	....	....	.45	....	.05	4.75
Circleville ||||	do	T.	.34	.89	.14	....	....	.64	....	....	.07	.17	....	T.	T.	.58	.18	....	.77	.16	.34	.87	.16	.37	.10	.38	....	....	....	T.	....	T.	6.16
Harpers Ferry ||||	do	.16	.04	.51	....	....	....	.61	.08	....	T.	.18	....	....	....	.35	.04	....	.64	.07	.28	.70	....	.18	.23	.32	....	....	....	.15	.15	.08	4.77
Kearneysville	do	....	.58	....	....	....	....	.73	....	....	.29	....	....	....	....	.49	....	.58	.17	.18	.95	.10	T.	.52	T.	.14	....	....	....	.28	....	.30	5.31
Martinsburg ||||	do	.20	.10	.60	....	....	....	.68	.10	....	.10	.35	....	....	.02	.35	.02	....	.80	.12	.40	.40	.05	.55	.15	.20	....	....	....	.15	....	.15	5.49
McNeill	do	....	.66	....	....	....	....	.45	....	....	.33	T.	....	....	....	.13	....	.45	.11	T.	1.15	T.	T.	.43	.08	T.	T.	....	T.	.15	T.	.10	4.04
Piedmont	do	....	.89	....	....	....	....	.68	....	....	.82	....	....	....	....	.13	....	....	.92	T.	1.69	.14	.25	.43	....	....	.67	....	T.	.21	....	.20	7.03
Romney	do	....	.35	.38	....	....	....	.50	....	....	.18	.45	....	....	....	.18	....	....	.60	.01	.60	.70	.05	.60	.30	.10	....	....	....	.30	....	.25	5.55
Stony River Dam ||||	do	.80	....	.20	....	....	....	.32	....	....	.22	.32	.40	....	....	.57	....	....	1.01	.17	....	1.30	.22	.66	.18	.56	....	....	....	T.	....	....	6.93
Upper Tract	do	....	.28	.30	....	....	....	1.96	....	....	.28	....	....	....	....	.31	....	.44	.21	T.	1.38	T.	....	T.	.51	.90	....	....	....	.15	....	T.	6.72
Wardensville ||||	do	....	.25	.27	....	....	....	.51	....	....	....	.25	....	....	....	.20	....	....	.43	.11	.66	.51	.30	.38	....	.16	....	....	....	.34	....	....	4.37
Northern Division																																	
Aberdeen	Monongahela	....	.78	....	....	....	....	.48	....	.02	1.16	.01	....	T.	T.	.97	....	.49	.90	.13	.55	.20	.75	.98	.80	.63	....	....	....	.23	....	.19	9.27
Alma (near)	Ohio	....	.56	....	....	....	....	.45	....	.13	1.49	....	....	....	.05	.85	....	.45	.91	....	.62	.20	1.00	.52	.67	.62	....	....	.03	.09	....	.27	8.91
Alpena	Monongahela	....	1.02	....	....	....	....	1.08	....	....	.50	.03	....	....	....	.78	.57	.45	.06	.04	1.51	.20	.30	.50	.21	.53	....	....	T.	.20	....	.31	8.29
Benson	do	....	.67	....	....	....	....	.68	....	.37	1.48	....	....	....	.08	.68	....	.42	1.27	.06	.66	.15	.68	1.20	.65	.66	....	....	....	.12	....	.23	10.06
Bens Run	Ohio	....	.46	....	....	....	....	.60	....	.38	1.14	....	....	T.	.37	.99	....	.45	1.01	....	.86	.30	1.53	.40	.53	.65	....	....	....	.09	....	.34	10.10
Brownsville	Monongahela	....	.83	....	....	....	....	.63	....	....	.83	....	....	....	....	.88	....	.49	.84	.14	.61	.22	.64	1.01	1.14	.65	....	....	....	.24	....	....	9.15
Buckhannon	do	....	.78	....	....	....	....	.60	....	T.	.84	....	....	.08	....	1.00	....	.45	.78	.06	.65	.23	.68	.84	.90	.62	....	....	.20	T.	....	.15	8.86
Cairo	Litl.Kanawha	....	.74	....	....	....	....	.62	....	....	1.87	....	....	....	....	1.02	....	....	1.90	....	.57	.30	.79	1.15	.73	.76	....	....	....	....	....	.35	10.80
Clarksburg ||||	Monongahela	....	.44	.20	....	....	....	.66	....	....	1.11	.52	....	....	....	.58	....	.01	1.42	.20	.29	.43	.24	1.18	.50	.72	....	....	....	.11	....	.07	8.68
Crawford	do	....	.87	....	....	....	....	.64	....	....	.77	.06	....	....	....	.91	....	.41	.64	.23	.55	.18	.75	.72	.50	.77	....	....	.10	.23	....	.19	8.52
Creston ||||	Litl.Kanawha	....	.70	.01	....	....	....	.81	T.	....	1.10	.32	T.	T.	T.	1.03	....	.03	.68	.33	.45	.21	.40	1.79	.61	1.20	....	....	.20	....	....	.10	9.97
Dam 10, Mon. R. ||||	Monongahela	.05	.22	.20	....	....	....	.53	.07	....	1.29	.49	....	T.	.02	.63	.01	....	1.54	.24	.15	.44	.65	.74	.06	.94	....	....	....	.15	....	.10	8.52
Dam 13, O. R. ||||	Ohio	....	.42	.18	....	....	....	.44	.05	....	1.05	.29	....	....	.06	1.70	....	....	1.18	.06	.13	.85	1.58	1.18	.02	1.48	....	....	....	.07	....	.21	10.95
Dam 15, Mon. R. ||||	Monongahela	.07	.23	.28	....	....	....	.57	.05	....	1.30	.42	....	....	.03	.64	.03	....	1.52	.26	.20	.53	.53	.85	.08	.98	....	....	....	.15	....	.10	8.82
Davis ||||	do	....	.21	....	....	....	....	.49	....	.06	.39	....	....	....	....	.31	....	1.00	1.10	.19	.12	1.16	.96	1.29	.84	.28	....	....	....	.29	....	....	8.69
Elizabeth (D'm 3 LK)	Litl.Kanawha	1.20	.42	....	....	....	.54	....	....	1.50	.32	....	T.	T.	1.10	....	....	1.70	.10	.24	.52	.50	1.10	.50	.92	....	....	....	....	.14	.13	.06	10.99
Elkins***	Monongahela	....	.77	.01	....	....	.22	.44	....	.04	.51	....	....	T.	....	.83	....	.50	.41	.06	1.00	.14	.72	.21	.16	.45	....	....	.16	.04	....	.25	6.92
Fairmont ||||	do	.35	.17	....	....	....	....	.05	....	1.20	.37	....	....	.02	.64	....	.05	1.53	.18	.20	.52	.54	.68	.38	.83	....	....	....	.09	....	.11	.09	8.00
Glenville ||||	Litl.Kanawha	....	.77	.16	....	....	....	.64	....	....	.78	.54	....	....	.04	.67	....	.21	1.05	.33	.38	.62	.31	1.54	1.42	.75	....	....	....	.24	....	.17	10.62
Grafton	Monongahela	....	.70	....	....	....	....	.70	....	.12	1.50	.01	T.	....	....	....	....	1.84	.46	.04	.74	.19	.88	.52	.91	.53	....	....	....	.19	....	.20	9.53
Hackers Creek	do	.69	....	....	....	....	....	.57	....	.25	1.19	....	....	....	....	.83	....	.50	1.08	....	.66	.16	.64	1.18	.50	.33	....	....	....	.21	....	.20	8.99
Hastings	Ohio	....	.50	....	....	....	....	.63	....	.09	1.69	....	....	T.	.08	1.14	....	.41	1.10	....	.72	.27	1.16	.65	.63	.64	....	....	....	.16	....	.42	10.29
Horner	Monongahela	....	.40	.80	....	.15	....	.50	....	....	....	.85	....	....	....	....	....	1.00	1.25	.15	....	.20	.90	1.50	....	....	....	.80	....	....	....	.45	8.95
Ireland	do	....	.95	....	....	....	....	.51	....	.63	....	....	....	....	....	1.07	....	.51	.31	.12	.21	.51	.72	.60	.32	.74	....	....	....	.17	....	....	7.37
Jackson's Mill	do	....	.83	....	....	....	....	.56	.10	1.28	....	....	....	....	.04	.84	....	.64	.84	.10	.64	.19	1.24	.46	1.42	.60	....	....	....	.25	....	.20	10.23
Jane Lew	do	....	.80	....	....	....	....	.48	....	....	1.30	....	....	....	....	.98	....	.55	.88	.12	.62	.30	.80	1.04	1.24	.62	....	....	....	.28	....	.18	10.19
Lost Creek	do	....	.74	....	....	....	....	.55	....	.10	1.56	T.	T.	T.	.02	.77	....	.52	1.08	.10	.65	.21	.76	.84	.98	.56	....	....	....	.13	....	.15	9.72
Mannington	do	....	.65	.02	....	....	....	.58	....	.07	1.64	T.	....	T.	.06	.80	....	.38	1.05	....	.61	.17	.81	.58	.74	.53	....	....	T.	.12	....	.39	9.20
Morgantown	do	....	....	....	....	....	....	.45	....	.13	1.97	....	....	....	....	.73	....	.40	1.72	....	.50	.15	1.30	.50	.57	.50	....	....	....	....	....	....	8.92
New Cumberland	Ohio	....	.45	T.	....	....	....	.32	.01	.25	.25	.06	....	....	.60	.95	....	.32	.74	....	.31	1.06	1.39	.32	.87	.61	....	....	....	T.	....	.31	8.82
New Martinsville	do	....	.45	....	....	....	....	.62	....	.10	1.30	....	....	....	.38	1.10	.42	....	1.10	....	.80	.35	1.45	.35	.25	.45	....	....	....	.10	....	.52	9.74
Parkersburg***	do	....	.54	.02	....	....	.11	.26	....	.49	.96	T.	....	.08	.53	.58	....	.63	.57	....	.70	.79	.98	.25	1.05	.16	....	....	.07	.01	....	.21	8.99
Parsons	Monongahela	....	.47	....	.35	....	.05	....	....	*	.18	....	....	....	....	....	....	....	*	*	2.35	....	1.15	.25	*	.50	....	....	.05	....	....	.10	5.45
Parsons No. 2	do	....	.75	.02	....	....	....	.60	....	T.	.88	.01	....	T.	....	.81	.01	.41	.45	.03	.98	.14	.76	.51	.38	.45	....	....	T.	.13	....	.25	7.57
Philippi ||||	do	....	.64	....	....	....	....	.66	....	....	.65	.12	....	....	....	1.01	....	.23	1.08	.11	.34	.07	.32	1.52	1.01	.60	....	....	....	....	....	.11	8.47
Pickens	do	....	1.05	.10	....	....	.92	....	....	....	1.56	....	....	.06	....	1.25	....	.81	.33	.35	1.03	.17	.39	.50	.35	.30	....	.20	.10	....	....	.65	10.12
Roanoke	do	....	.89	....	....	....	....	.56	....	....	.81	.05	....	T.	....	.95	....	.56	.74	.16	.65	.26	.80	.74	.45	.50	....	....	.02	.25	....	.18	8.57
Rockford	do	....	.73	....	....	....	.45	....	....	.10	1.68	.02	....	T.	....	.85	....	.55	.80	.11	.57	.19	1.34	.52	.92	.65	....	....	.10	.16	....	.18	9.92
Saint Marys ||||	Ohio	....	.43	.08	....	....	....	.45	.04	....	1.37	.35	....	....	.05	1.20	....	.05	1.38	.05	.17	.83	1.22	.88	.30	1.03	....	....	....	.11	....	....	9.99
Terra Alta	Monongahela	....	T.	....	.10	....	T.	.90	....	T.	T.	1.90	....	....	T.	.40	....	....	T.	1.90	T.	1.20	.70	1.20	....	1.50	....	....	T.	....	....	T.	9.80
Thomas ||||	do	.12	.62	.48	....	....	....	.29	....	....	.45	.60	....	....	T.	.70	.20	.10	1.00	.18	.45	.83	.38	.97	.15	.78	T.	....	....	.09	....	....	8.39
Valley Chapel	do	....	.81	....	....	....	....	.56	....	.05	1.49	.01	....	....	....	.98	....	.50	1.12	.11	.72	.22	.95	.72	.94	.65	....	....	....	.20	....	.24	10.27
Vandalia	do	....	....	....	....	....	....	.66	....	....	.83	....	....	....	....	1.04	....	.55	.64	.11	.65	.22	.86	.70	.62	.69	....	....	.33	....	....	.28	8.18
Wellsburg	Ohio	....	.46	.10	....	....	....	.48	....	.19	.49	....	....	T.	.53	.95	....	.28	.45	....	.50	.83	1.53	.50	.63	.66	....	....	....	T	....	.51	9.09
West Milford	Monongahela	....	.70	....	....	....	.60	....	....	.25	1.50	....	....	....	.10	.80	....	1.70	.10	....	.80	.60	1.65	.90	....	....	.50	....	....	.20	....	.25	10.65
Weston ||||	do	....	.62	.18	....	....	....	.58	....	....	.52	.56	....	....	.02	.81	....	.06	1.28	.26	.32	.58	.36	1.61	1.18	.75	....	....	....	.25	....	.14	10.08
Wheeling (Dam 12) ||||	Ohio	....	.44	.23	....	....	....	.46	.10	....	.68	.18	....	....	.04	1.45	T.	....	1.05	.04	.10	.93	1.51	.78	T.	1.49	....	....	....	.02	....	.26	9.76
Woodlands ||||	do	....	.25	.35	....	....	....	.51	.04	....	.70	.40	....	....	.05	1.50	....	T.	1.14	.17	.06	.80	1.25	.70	T.	1.30	....	....	....	....	....	.12	9.34
Southern Division																																	
Arbovale ||||	Gr. Kanawha	....	1.05	.04	....	....	....	.87	....	....	.08	....	....	.02	....	.50	....	.87	.24	....	1.52	.08	.01	.20	....	.48	....	....	.01	.22	....	.13	6.32
Bancroft	do	....	.72	....	....	....	....	.65	....	....	.33	.67	....	....	.01	.94	....	....	1.32	.64	.34	.61	.32	1.24	.76	.69	....	....	....	.17	....	.20	9.61
Beckley	do	....	1.25	.08	....	....	.05	.30	....	....	.16	.12	....	.16	....	.95	.06	.83	.58	.06	1.34	.17	.14	.24	.04	.86	....	....	.12	.25	....	.31	8.07
Bluefield	do	.02	.91	....	.11	....	.09	.11	....	....	....	.04	.29	.35	....	.68	....	....	1.33	.12	.80	.19	.10	.25	....	.99	....	....	.14	.29	....	....	6.81
Camden-on-Gauley ||||	Gauley	.05	.65	.25	....	....	....	.79	.02	....	.09	.50	.10	.02	....	.88	.10	.12	.82	.20	.83	.66	.15	.52	.05	.80	....	....	....	.34	....	.20	8.14
Charleston	Gr. Kanawha	....	.73	....	....	....	.06	.51	....	....	.73	.03	....	....	.92	....	....	....	1.62	.45	.47	.36	1.24	..	.92	....	....	....	....	.24	....	.18	8.46
Charleston No. 2	do	....	.75	....	.16	....	....	.51	....	....	.21	.49	.05	....	....	.90	....	....	.96	.65	.04	.25	.35	1.22	.12	.84	....	....	....	.21	....	.21	7.92
Clay ||||	do	.10	.72	.07	....	....	....	.61	....	....	.22	.40	.05	T.	....	.92	.07	.22	.52	.25	.39	.42	.30	.84	.06	.88	.03	....	....	.42	....	.17	7.66
Dam 6 G. K. ||||	do	.08	.68	.22	....	....	....	.52	....	....	.13	.55	.02	....	....	.74	.06	....	.94	.90	.29	.56	.50	1.10	.23	.89	....	....	....	.23	....	.09	8.73
Dam 19 O. R. ||||	Ohio	....	.50	.13	....	....	....	.40	....	....	1.42	.29	T.	T.	.07	1.17	.02	.03	1.16	.08	.21	.69	1.40	.55	.26	1.16	....	....	....	.10	....	.15	9.79
Dam 20 O. R. ||||	do	....	.60	.06	....	....	....	.42	....	....	1.42	.28	.02	.01	.06	1.10	....	.02	1.10	.14	.15	.50	.80	1.01	.20	....	.04	.80	....	.04	....	.10	8.87
Dam 25 O. R. ||||	do	....	.64	.12	....	....	....	.48	....	....	1.93	.51	....	....	.05	1.12	.03	....	1.32	.26	.22	.54	.75	1.60	.23	1.25	....	....	....	....	....	....	11.05
Dam 26 O. R. ||||	do	....	.70	.12	....	....	....	.77	....	....	1.20	.45	....	.02	.04	1.18	....	.05	2.10	.27	.29	.40	.66	.95	.57	....	....	....	....	....	....	....	9.77
Gary ||||	Big Sandy	.05	.76	.22	....	....	....	.39	....	....	....	.08	.15	.21	....	.69	.02	.54	.35	.50	.52	.21	.10	.21	.16	.72	....	....	....	.31	.01	.21	6.41
Hinton ||||	do	.05	1.27	.42	....	....	....	.41	T.	....	....	.04	.07	.10	....	.37	.15	.20	.92	.24	.80	.58	.12	.08	.39	.44	....	....	....	.37	....	.23	7.25
Huntington	Ohio	....	.96	....	....	....	T.	.58	....	.11	1.15	T.	T.	.08	.11	.96	....	.72	1.55	.13	.65	.40	1.22	.69	1.76	.71	....	....	.05	.01	....	.23	12.07
Kanawha Falls ||||	Gr. Kanawha	....	.50	.18	....	....	....	1.24	....	....	.01	.42	.29	....	....	.45	.04	....	.60	.60	.36	.01	.30	.40	.08	.80	.01	....	....	....	....	.60	6.89
Kayford ||||	do	.05	.79	.17	....	....	....	.42	....	....	.07	.31	.10	.01	....	.87	.07	.32	.32	.41	.50	.23	.21	.60	.05	1.09	T.	....	....	.25	.01	.21	7.06
Lewisburg	do	....	1.59	....	....	....	.07	.42	....	....	.07	.01	....	.29	....	.55	....	.92	.17	.05	1.43	.04	.03	.28	.04	.13	....	....	.04	.33	....	.34	7.10
Logan ||||	Guyandotte	.04	.94	.05	....	....	....	.40	....	T.	.09	.36	.11	T.	....	1.21	.03	.20	.73	.50	.52	.35	.20	.71	.03	1.05	T.	....	....	.21	T.	.25	7.98
London	Gr. Kanawha	.17	.58	.22	....	....	....	.49	.02	....	.01	.50	.09	....	....	.70	.28	....	.53	.49	.33	.36	.26	.65	.16	.90	....	....	....	.46	....	.10	7.30
Madison	do	.89	....	....	....	....	.45	....	....	....	....	.75	....	....	.97	....	.41	.48	.27	.48	.53	.23	.84	....	.92	....	....	....	.30	....	.19	....	7.71
Marlinton	do	....	....	....	....	....	T.	.85	T.	....	.05	....	....	.03	....	.40	T.	.96	.31	.25	1.57	.06	.02	.19	....	.60	....	....	.02	.26	....	.47	6.04
Point Pleasant ||||	Ohio	....	.68	.10	....	....	....	.59	....	T.	2.00	.57	....	.04	....	1.22	.04	.05	1.88	.08	.35	.46	.68	1.69	.25	1.00	....	....	....	....	....	....	11.68
Rainelle	Meadow Creek	.01	1.25	.08	....	....	.02	.54	.01	T.	.09	.02	.12	.06	....	.87	.04	.96	.44	.03	1.30	.10	.24	.29	.01	.83	....	....	.08	.23	T.	.23	7.85
Ravenswood (Dam 22	Ohio ||||	....	.56	.12	....	....	....	.60	T.	....	1.65	.55	....	....	.03	1.30	....	....	1.75	.32	.24	.46	.65	1.42	.35	1.40	....	....	....	....	....	....	11.40
Richwood	Gr. Kanawha	....	.50	.05	....	....	....	.55	....	....	.17	.03	.13	....	....	.94	.03	.50	.38	....	.95	.07	.09	.47	....	.96	....	....	.02	.23	....	.31	6.38
Robertsburg ||||	do	....	.75	.06	....	....	....	.70	....	....	.87	.42	T.	.03	T.	1.27	T.	.06	1.84	.22	.36	.45	.32	1.65	1.57	.74	....	....	....	.12	....	.05	11.48
Ryan	do	....	.75	....	....	....	....	.63	....	.03	1.00	.02	....	.01	....	.92	....	.59	1.15	.25	.83	.41	.78	.80	.60	.70	....	....	.18	.06	....	.21	9.92
Sharples ||||	Coal River	....	.98	....	....	....	....	.47	....	....	....	....	....	....	....	1.68	....	.13	.71	.43	.63	.16	.22	.37	T.	1.11	....	....	....	.05	....	T.	6.94
Spencer ||||	Gr. Kanawha	....	.62	.09	....	....	....	.57	T.	....	.82	.50	....	.02	....	.91	T.	.09	1.30	.34	.44	.59	.29	1.47	1.29	.84	....	....	....	.24	T.	.22	10.64
Summersville ||||	do	....	....	.79	....	.68	....	....	....	....	.48	....	....	.14	....	....	.94	.14	.76	.21	1.11	.22	.25	.71	.07	.96	....	....	....	.50	....	.27	8.23
Sutton	do	T.	.95	....	....	....	....	.65	....	....	.65	.20	....	....	....	1.10	....	.45	.50	.10	.75	.20	.40	.85	.15	.80	....	....	....	.40	....	.25	8.40
Thornwood ||||	do	.31	....	....	....	....	.98	.23	....	....	.15	....	....	....	....	....	....	.22	.53	.98	1.00	.12	.47	.22	.14	....	....	....	.12	....	.53	....	6.00
Union	do	....	1.42	....	.10	....	....	.18	....	....	....	.08	.10	.26	....	.40	....	....	1.10	.15	1.40	.08	....	.20	....	.65	....	....	....	.43	....	....	6.55
Wayne ||||	Big Sandy	....	1.02	.06	....	....	....	.53	....	....	.49	.42	....	.03	....	1.24	....	.17	2.03	.40	.52	.58	.47	1.37	.70	.88	....	....	....	.19	....	.21	11.31
White Sulpr. Spgs. ||||	Gr. Kanawha	1.10	.40	....	....	....	.40	....	....	....	.15	....	.35	....	.75	.10	.20	.80	.25	1.20	.50	.10	.05	.40	.45	....	....	....	.40	....	.20	.15	7.95
Williamson ||||	Big Sandy	.03	1.14	.08	....	....	....	.25	....	....	T.	.19	.18	....	....	1.30	.04	.23	.70	.51	.68	.21	.27	.71	.04	1.08	....	....	....	.18	....	.16	7.98

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	52	43	50	40	43	64	61	62	50	46	43	60	67	64	40	47	51	50	33	60	60	55	50	62	58	50	40	43	30	48	47	50.6
	Minimum	20	30	32	18	16	31	34	43	37	30	32	25	40	40	25	25	40	33	30	32	45	37	31	28	40	30	12	22	20	26	32	30.2
Brandywine	Maximum	48	38	50	47	42	46	58	65	67	65	60	55	56	62	60	50	44	56	52	38	53	60	57	54	60	55	42	45	40	47	46	52.2
	Minimum	21	30	31	21	20	18	31	37	40	44	32	37	40	35	42	28	26	37	35	31	32	48	32	31	42	35	22	18	27	34	29	31.8
* Kearneysville	Maximum	50	50	54	47	41	36	40	70	68	56	40	52	44	61	67	50	37	47	49	39	54	62	49	35	58	51	37	30	38	42	42	48.3
	Minimum	32	33	31	26	23	25	31	30	49	40	33	32	34	42	48	37	24	31	36	31	31	39	30	30	35	35	21	22	29	26	34	32.3
Martinsburg*	Maximum	46	40	55	40	40	38	40	60	65	45	38	52	60	60	60	47	55	47	40	40	55	55	45	45	60	40	40	32	37	42	..	47.3
	Minimum	32	32	32	28	22	28	28	32	35	39	32	32	35	35	45	35	27	30	37	37	30	30	32	30	32	36	22	30	28	26	28	31.5
McNeill	Maximum	46	35	43	44	41	41	51	73	70	57	42	53	52	68	69	50	38	58	54	40	44	61	51	39	58	50	40	34	40	47	55	49.8
	Minimum	15	28	31	25	12	11	30	27	44	35	34	27	27	36	47	30	23	30	35	30	30	36	29	30	32	33	14	16	28	24	30	28.4
Piedmont	Maximum	51	34	47	36	43	35	42	63	58	52	43	48	43	67	49	47	40	54	38	40	45	51	38	49	50	40	35	32	42	36	46	45.0
	Minimum	27	30	30	25	18	22	30	34	39	34	35	35	30	39	47	32	27	38	37	31	32	38	29	29	40	34	19	20	29	29	32	31.3
Romney	Maximum	55	45	45	52	42	38	37	43	72	68	40	41	51	45	69	61	39	38	56	40	36	45	60	35	56	48	40	35	39	41	43	47.0
	Minimum	25	30	32	29	11	16	21	30	30	40	35	30	29	34	40	34	26	33	37	30	30	34	33	29	33	35	20	22	29	28	35	29.7
Upper Tract	Maximum	58	57	56	46	45	46	60	68	70	58	..	52	55	65	64	60	53	56	55	49	53	58	55	48	57	50	40	38	40	..	50	53.9
	Minimum	21	28	30	23	20	20	30	39	39	35	..	30	32	47	45	30	23	39	34	30	30	48	30	30	31	34	18	18	27	..	28	30.7
Wardensville	Maximum	54	..	53	39	41	36	49	69	.	71	47	51	56	66	60	..	45	58	38	48	61	61	..	58	59	44	36	31	35	..	52	50.7
	Minimum	41	27	..	26	17	20	19	31	35	..	32	32	32	38	53	33	..	26	37	31	31	43	33	..	29	38	19	19	28	28	..	30.7
Northern Division																																	
Alpena	Maximum	41	39	47	33	41	43	54	70	60	59	46	44	54	64	61	42	53	59	47	40	60	64	50	55	55	40	43	35	45	43	45	49.4
	Minimum	27	30	31	16	17	18	33	38	42	35	30	33	30	45	35	23	33	29	34	30	35	43	31	34	38	21	13	19	30	27	31	30.0
Bens Run	Maximum	43	54	55	39	46	51	66	69	63	44	39	39	49	65	61	41	53	55	46	50	62	50	46	58	59	41	42	43	43	54	51	50.9
	Minimum	26	29	32	24	25	30	42	43	43	34	32	34	27	46	39	29	29	44	34	35	48	39	26	29	39	30	24	36	35	30	41	34.0
Buckhannon	Maximum	54	55	53	33	43	55	65	71	65	52	43	43	62	70	70	48	54	65	53	53	64	65	45	68	68	48	45	55	50	58	52	55.6
	Minimum	27	34	33	21	18	24	42	42	40	34	30	35	30	51	44	28	27	45	33	33	47	43	30	28	44	33	19	25	34	38	42	34.0
Cairo	Maximum	52	51	51	56	41	52	69	71	73	49	38	41	48	69	67	47	52	51	56	48	64	52	42	65	63	47	49	49	44	55	54	53.8
	Minimum	20	35	32	19	15	21	42	27	46	35	33	34	27	47	44	30	36	26	35	36	47	41	27	29	41	30	18	19	37	28	26	31.7
Clarksburg *	Maximum	44	59	46	36	45	54	68	71	65	43	40	43	64	70	49	48	54	54	43	68	52	51	47	69	47	38	42	62	44	57	51	52.4
	Minimum	23	23	41	22	17	23	30	38	43	35	32	32	27	32	48	30	27	33	33	34	42	47	26	26	34	31	22	22	24	28	28	30.7
Creston	Maximum	40	55	56	50	47	59	69	72	69	66	63	65	60	70	70	65	61	58	54	50	60	56	54	65	65	60	59	55	53	56	53	59.2
	Minimum	21	46	35	19	17	22	42	36	45	35	30	35	29	49	41	29	21	30	32	38	46	40	29	30	40	41	12	12	35	29	40	32.5
Elkins	Maximum	37	53	55	36	46	48	68	72	65	53	50	48	60	69	67	39	62	63	43	47	67	69	40	64	64	38	48	45	44	49	47	53.4
	Minimum	24	34	26	20	18	22	44	44	45	33	32	36	31	55	34	27	37	43	36	38	46	40	31	38	36	25	18	29	32	28	38	33.5
Fairmont	Maximum	43	58	47	47	47	53	68	74	64	61	47	43	62	69	62	50	54	54	48	66	51	49	47	67	49	45	45	50	47	60	50	54.1
	Minimum	22	23	37	23	23	25	28	48	50	35	31	31	28	30	50	31	28	40	33	33	39	43	28	26	39	31	21	21	26	29	28	31.6
Glenville	Maximum	47	55	48	44	45	57	71	75	69	51	48	43	45	71	70	46	54	56	56	54	64	51	51	65	67	46	44	44	45	53	54	54.5
	Minimum	23	37	40	21	18	22	42	40	45	37	33	36	37	40	43	30	29	44	34	37	48	41	30	31	43	31	20	22	37	39	42	34.6
Grafton	Maximum	46	54	60	39	50	54	70	74	74	51	50	47	59	69	71	38	54	54	53	53	69	52	42	72	70	45	49	53	48	59	50	55.8
	Minimum	23	35	34	24	18	23	42	43	43	35	32	34	28	56	34	31	28	48	34	38	48	30	27	30	30	31	20	25	34	29	37	33.0
Lost Creek	Maximum	52	54	54	39	46	55	69	72	70	50	39	40	60	69	68	43	52	52	52	49	66	61	40	69	66	48	42	53	50	59	51	54.5
	Minimum	18	36	39	20	17	22	41	41	47	35	32	35	25	56	43	30	25	45	32	35	47	40	26	28	41	30	20	21	34	25	35	32.9
Mannington	Maximum	43	52	58	36	45	51	65	69	66	47	42	39	55	66	68	44	53	54	52	49	67	51	39	64	65	44	41	48	45	55	52	52.4
	Minimum	20	34	34	23	16	22	43	38	44	34	31	34	24	47	42	31	26	46	32	34	47	39	25	27	42	30	19	21	32	26	36	32.2
Morgantown	Maximum	45	55	58	35	51	53	68	72	63	46	45	42	56	66	69	43	55	54	53	49	66	51	39	65	68	46	42	48	48	60	52	53.6
	Minimum	24	36	35	24	26	26	45	53	46	35	31	35	27	48	43	29	28	48	34	36	49	38	26	29	44	31	21	30	34	28	42	34.9
New Cumberland	Maximum	45	48	54	36	44	45	57	68	65	40	38	35	48	63	55	52	49	53	42	44	62	42	30	41	51	45	41	45	48	55	53	48.2
	Minimum	26	31	27	23	30	22	38	40	43	28	26	29	24	42	34	26	22	40	26	31	42	31	21	21	36	24	16	23	32	26	37	29.6
New Martinsville	Maximum	47	57	58	38	49	50	67	70	64	46	40	40	48	65	52	40	52	54	50	47	60	50	54	57	56	52	60	62	58	54	51	53.2
	Minimum	25	39	34	24	24	28	43	44	44	35	31	34	28	45	40	30	28	47	33	34	47	38	27	31	35	30	23	27	38	30	32	33.8
Parkersburg	Maximum	44	57	56	38	48	55	68	71	65	41	38	38	61	68	50	36	55	55	37	58	62	47	30	65	52	40	43	44	43	55	53	50.7
	Minimum	26	37	28	24	28	30	43	50	41	32	32	33	30	45	34	31	30	37	33	36	47	28	26	30	36	28	24	28	33	31	36	33.1
Parsons	Maximum	60	40	43	40	45	45	68	78	68	58	50	47	53	67	53	43	47	59	58	45	53	53	45	66	66	40	50	41	45	52	49	52.5
	Minimum	29	29	31	27	27	29	38	38	42	35	34	36	31	53	38	27	35	35	34	35	39	43	43	30	43	29	20	29	32	28	40	34.2
Pickens	Maximum	52	50	48	49	45	53	63	67	60	59	53	46	58	61	63	58	57	56	51	51	61	62	61	62	58	51	50	48	..	50	46	55.0
	Minimum	21	42	26	16	20	39	43	43	48	32	29	29	32	52	35	24	33	38	35	33	41	38	27	41	35	12	25	34	.	27	34	32.8
Terra Alta	Maximum	46	46	..	44	44	38	36	56	62	..	55	55	40	58	60	60	..	..	49	49	56	56	56	..	58	58	40	30	31	33	..	48.6
	Minimum	21	20	..	18	15	21	21	32	44	..	28	28	24	29	50	25	..	..	22	29	22	43	27	..	25	27	14	13	21	25	..	25.8
Wellsburg	Maximum	49	58	48	36	46	45	58	67	66	42	37	36	46	64	50	39	48	53	47	42	48	48	38	38	63	41	37	45	43	49	53	47.7
	Minimum	21	31	31	25	23	20	40	41	42	32	27	27	22	42	38	28	25	41	29	30	40	36	22	21	38	26	16	20	23	27	39	29.8
Weston	Maximum	55	55	60	40	47	57	71	74	72	52	40	44	62	70	69	45	58	54	54	53	67	64	45	70	68	48	44	51	50	60	65	56.9
	Minimum	23	38	38	23	20	27	43	43	48	34	32	37	30	57	44	30	36	29	34	35	48	43	30	31	44	31	23	23	36	29	40	34.8
Wheeling(Dam 12)	Maximum	44	53	46	43	47	51	60	68	60	56	42	37	65	63	63	43	53	54	49	65	51	50	39	63	47	43	47	54	47	57	52	52.0
	Minimum	27	28	38	26	26	26	27	50	54	32	29	30	27	32	43	29	27	40	31	28	39	37	23	24	33	20	22	23	30	28	30	30.9
Southern Division																																	
Beckley	Maximum	48	42	52	43	43	47	68	72	69	60	42	46	58	67	65	43	49	61	49	44	57	67	65	57	56	47	46	39	43	43	43	52.6
	Minimum	21	32	39	17	22	29	34	42	46	38	31	38	39	48	41	27	33	43	35	33	35	45	29	34	45	29	20	23	31	31	31	33.6
Bluefield	Maximum	47	44	..	55	40	45	68	72	68	..	67	49	57	65	62	44	..	60	52	46	60	69	66	..	62	48	45	38	46	43	..	54.5
	Minimum	27	31	..	19	28	30	35	44	46	..	33	40	38	49	42	28	..	35	41	32	34	48	40	..	37	32	23	22	30	29	..	34.3
Charleston	Maximum	46	59	58	58	45	57	71	72	66	62	45	46	68	74	67	55	55	57	50	67	68	53	58	72	54	47	50	47	46	54	53	57.4
	Minimum	29	29	44	26	25	29	31	43	42	45	35	36	36	42	50	33	34	33	37	37	44	46	33	35	32	34	26	27	33	34	36	35.4
Gary *	Maximum	52	57	53	43	42	52	72	73	74	68	52	47	65	72	63	46	66	56	50	60	67	73	50	72	57	45	52	40	45	51	51	57.0
	Minimum	32	34	39	23	21	26	42	40	40	41	37	37	44	45	62	33	34	43	46	42	41	43	44	38	50	37	24	24	33	33	33	37.5
Hinton *	Maximum	43	43	55	46	36	49	57	72	72	61	44	48	55	65	55	48	51	55	48	42	52	62	45	54	57	45	52	42	48	51	46	51.6
	Minimum	30	30	35	23	20	24	29	37	37	38	35	37	41	42	46	32	31	36	42	38	36	41	42	37	40	36	24	42	28	31	34	34.7
Huntington	Maximum	45	61	58	43	49	61	71	74	69	46	39	43	64	72	68	44	52	56	48	56	65	52	39	72	70	43	47	44	54	60	55	55.5
	Minimum	27	38	35	25	28	33	47	50	46	37	34	38	38	62	44	32	34	48	35	37	50	39	28	31	42	32	27	32	34	34	45	37.5
Lewisburg	Maximum	44	42	48	38	44	44	54	64	65	61	40	46	51	62	63	43	40	51	50	45	49	57	54	46	54	46	41	36	49	44	44	48.9
	Minimum	25	34	36	22	20	30	34	37	39	40	35	38	41	47	43	29	33	38	42	34	35	40	43	37	44	35	23	25	33	34	33	34.8
London *	Maximum	46	59	62	42	43	58	75	75	72	53	46	49	69	76	62	47	62	58	47	71	72	61	48	78	58	46	53	48	48	53	55	57.8
	Minimum	31	31	42	28	23	25	31	42	42	47	37	37	41	42	54	35	34	42	40	39	43	48	36	34	40	38	25	25	33	35	34	36.6
Madison	Maximum	47	..	61	40	44	57	72	73	..	69	43	49	67	73	52	48	65	56	46	66	67	58	45	73	51	44	52	47	47	57	55	56.0
	Minimum	29	..	22	22	27	27	39	40	..	34	35	39	44	51	32	31	46	36	36	43	47	32	31	44	35	24	24	36	31	37	32	34.7
Point Pleasant	Maximum	47	59	57	41	51	61	69	73	70	45	38	42	56	66	65	44	52	56	46	57	..	..	..	..	..	..	..	..	..	..	..	54.8
	Minimum	23	36	34	23	25	27	43	41	44	34	32	34	31	51	43	30	30	45	33	34	..	..	..	..	..	..	..	..	..	..	..	34.6
Rainelle	Maximum	43	42	48	37	38	44	64	69	66	59	40	45	51	62	62	42	42	53	47	46	50	58	66	50	53	44	44	38	41	51	53	49.9
	Minimum	20	33	35	15	14	22	33	32	33	40	32	36	38	46	40	36	32	39	37	33	34	39	32	38	43	30	17	24	33	33	32	32.3
Ravenswood	Maximum	67	66	63	60	54	61	70	75	72	65	58	48	63	70	71	59	53	57	55	52	62	56	54	53	50	45	42	50	51	50	45	58.0
	Minimum	23	38	34	23	22	26	43	46	43	34	31	34	27	55	42	29	30	44	33	35	44	36	23	44	35	33	20	24	26	28	38	33.6
Richwood	Maximum	45	47	55	42	41	46	67	71	66	64	62	55	58	64	64	54	54	61	58	55	60	65	64	63	64	47	51	45	47	45	47	55.7
	Minimum	25	37	39	18	21	28	38	36	39	36	39	39	41	50	54	31	33	41	42	37	41	47	32	37	45	32	21	29	37	35	34	35.9
Robertsburg*	Maximum	47	60	50	42	49	58	71	73	62	60	41	47	67	69	64	46	56	57	46	63	54	48	39	69	48	49	51	47	52	59	55	54.8
	Minimum	25	25	42	23	23	27	33	43	45	38	33	34	35	37	48	31	31	42	35	35	45	41	29	28	39	33	29	29	34	34	34	34.2
Ryan	Maximum	45	50	50	41	50	65	68	75	50	46	42	45	65	70	70	42	50	55	50	49	50	50	39	68	60	42	48	46	45	55	54	52.7
	Minimum	21	37	34	18	18	24	41	37	46	35	33	36	31	53	42	30	28	46	32	37	47	39	28	30	42	29	20	24	36	28	38	33.5
Spencer *	Maximum	45	55	42	40	47	57	71	74	65	39	41	42	66	72	50	45	53	55	42	60	52	50	41	66	49	40	45	46	44	57	55	51.8
	Minimum	23	40	41	23	22	24	40	48	49	38	33	34	31	50	49	31	31	41	34	35	42	43	30	29	44	31	24	24	38	30	42	35.3
Sutton	Maximum	55	54	54	44	45	53	70	74	74	54	43	46	65	71	71	48	57	57	54	53	53	52	52	62	62	50	48	53	53	57	57	56.2
	Minimum	27	38	42	21	19	25	43	40	42	38	35	39	35	58	48	32	29	49	37	38	49	48	32	35	45	34	20	22	38	31	42	36.5
Union	Maximum	47	41	..	47	35	41	55	69	69	..	66	42	55	61	63	44	..	57	52	45	48	67	64	..	60	51	43	42	49	49	..	52.4
	Minimum	22	33	..	20	17	30	34	33	35	..	35	37	38	46	44	28	..	33	41	33	34	38	42	..	37	34	22	23	30	29	..	32.6
White Sulphur Spgs.	Maximum	40	46	48	38	34	36	42	66	62	62	57	55	56	60	62	48	48	49	48	45	50	60	51	53	53	42	50	36	48	42	42	49.3
	Minimum	33	37	21	13	26	32	36	34	50	34	36	40	41	48	30	30	41	41	34	38	42	43	35	42	34	17	23	32	33	33	32	34.2
Williamson*	Maximum	47	60	50	44	44	58	72	73	63	49	44	47	65	74	63	47	64	56	47	64	65	68	49	73	52	45	56	48	48	56	55	56.3
	Minimum	32	32	45	25	25	29	30	43	43	47	37	37	41	45	54	34	34	42	39	39	45	50	36	34	47	36	27	27	35	34	39	37.5

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 3-4-37—950)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., FEBRUARY 1937 No. 2

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GENERAL SUMMARY

Unusually mild weather prevailed during most of the month, with temperature extremes well within previous February records. Only two or three cold spells occurred, lasting from the 2d to the 6th, 17th and 18th, and from the 25th to the close of the month, but were moderate for the season, as only two stations reported temperatures below zero. The highest temperatures for the month occurred, as a rule, on the 8th, 9th, and 13th. Precipitation averaged somewhat above the normal, and was mostly in the form of rain. The greatest monthly amounts were received in the central and mountain counties, and the least in the extreme northern and northeastern panhandle districts. There was mostly light snow in the western districts, but rather heavy amounts in some of the mountain sections, making the average snowfall for the month slightly above the normal. The soil was much too wet for plowing, but weather conditions were generally favorable for other out-door activities. Fruit orchards have not been materially injured by freezing, but at the close of the month fruit buds were beginning to swell. Winter grains were in fair to good condition, and pastures and meadows were somewhat green in many districts. Stock remained in the open during most of the month.

TEMPERATURE

The average temperature for the northeastern panhandle division was 33.1°, or 0.2° above normal; for the northern division, 34.4°, or 1.0° above normal; for the southern division, 35.5°, or 0.1° above normal; and for the State, 34.6°, or 1.5° above normal. The highest monthly mean temperature was 38.5° at Hastings, and the lowest, 26.6° at Terra Alta. The highest temperature was 80° at London on the 9th, and the lowest, 3° below zero at McNeill on the 17th, making the monthly range for the State 83°. The greatest daily range was 54° at Charleston on the 8th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 3.14 inches, or 0.70 inch above normal; for the northern division, 3.37 inches, or 0.16 inch above normal; for the southern division, 3.35 inches, or 0.15 inch above normal; and for the State, 3.33 inches, or 0.22 inch above normal. Most of the precipitation was received on the 8-9th, 15-16th, and 21st-22d. The greatest monthly precipitation was 5.96 inches at Terra Alta, and the least, 1.20 inches at Upper Tract. The greatest amount in any 24 consecutive hours was 2.70 inches at Creston on the 7-8th. The average monthly snowfall, 9.1 inches, was 0.5 inch above normal. The greatest monthly snowfall was 43.0 inches at Davis. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 7th, 3; 9th, 1; 12th, 1; 15th, 1; 17th, 1; 19th, 2; 21st, 2.

Hail, light: 14th, 1; 21st, 9; 22d, 4.

Halos, lunar: 15th, 1; 17th, 1; 19th, 1.

Sleet: 7th, 1; 9th, 1; 14th, 1; 18th, 1; 21st, 4; 22d, 1.

Thunderstorms: 7th, 6; 8th, 15; 9th, 2; 21st, 22; 22d, 5.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.06	30.67	2	29.30	21	9.7	35	sw.	21	74	65	68	46
Columbus, Ohio	30.04	30.62	2	29.28	21	12.3	43	sw.	21	75	63	70	35
Elkins	30.09	30.60	3	29.35	21	7.5	34	w.	14	81	72	73	39
Parkersburg	30.08	30.66	2	29.27	21	8.2	30	sw.	21	82	70	67	31
Pittsburgh, Pa	30.00	30.57	3	29.34	21	13.0	44	nw.	14	81	64	70	49
Wytheville, Va	30.04	30.47	11	29.36	16	8.6	30	w.	22	77	60	68	40

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	......	......	2.09	5.23	5.79	5.39	......	......	......	......	......
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	......	......	......
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	......	......	......
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	22.8	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	−35	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	.86	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	5.99	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2 45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3 07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	− 5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	− 3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	41.6	86	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
Period	33.1	86	−35	2.44	3.21	3.20	3.11	8.6	10	9	6	13

Climatological Data for February 1937

				Temperature, in degrees Fahr.							Precipitation, in inches				Number of days					
STATIONS	COUNTIES	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	OBSERVERS
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	30.5	+0.9	71	8	5	†6	39	3.90	+0.14	1.50	9.0	11	8	2	18	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	33.0	−1.7	65	8	6	17	42	1.80	.00	.50	2.0	5	14	5	9	n.	Elmer Keister
Circleville	Pendleton	......	5	......	......	......	......	......	......	....	2.94	......	.47	2.0	16	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	......	......	......	......	......	......	....	4.07	+1.69	1.72	8.2	12	....	....	....	......	Eleanor White
Kearneysville	Jefferson	548	7	34.5	......	60	13	11	26	30	3.16	......	.92	6.0	7	4	12	12	nw.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	^{a}33.9	+2.5	^{a}62	13	16	4	^{a}37	3.60	+1.11	1.05	5.0	12	14	7	7	sw.	Dr. H. S Gardner
McNeill	Hardy	900	41	34.4	+2.1	67	13	−3	17	47	2.88	+.61	.90	5.0	7	5	7	16	w.	D M. McNeill
Piedmont	Mineral	1,053	24	32.6	−1.2	60	13	14	†6	32	2.53	+.13	.99	8.5	7	6	12	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	39	......	......	^{k}67	†13	^{k}11	26	^{k}35	3.97	+1.93	1.10	4.8	11	10	13	5	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	......	......	......	......	......	......	....	4.28	+1.43	1.12	24.0	11	....	....	....	......	A. C. Becker
Upper Tract^{b}	Pendleton	1,230	38	33.4	−.1	65	8	7	18	38	1.20	−.46	.46	4.0	4	6	9	11	......	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	16	^{a}32.8	−1.0	^{a}62	8	^{a}2	17	^{b}43	3.34	+1.63	1.37	12.7	8	9	11	7	n.	Reymann Memorial Farm
Division averages	and extremes	......	....	**33.1**	**+.2**	**71**	**8**	**−3**	**17**	**47**	**3.14**	**+.70**	**1.72**	**7.6**	**9**	**8**	**9**	**11**	**nw.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	......	......	......	......	......	......	....	3.86	+.76	1.55	8.3	12	2	10	16	w.	L. Else Bond
Alma (near)	Tyler	800	10	......	......	......	......	......	......	....	2.63	......	.90	4.1	10	7	6	15	......	D. N. Furbee
Alpena ††	Randolph	2,571	7	28.6	......	70	8	4	†6	36	4.52	......	.85	29.0	16	4	8	16	w.	Christian Hertig
Benson	Harrison	1,080	13	33.9	+4.1	76	8	2	6	44	4.41	+.70	1.98	8.0	15	9	8	11	......	R. D. Marts
Bens Run	Tyler	652	35	36.1	+3.3	72	8	15	†3	40	2.30	−.81	.75	1.7	8	22	1	5	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	......	......	......	......	10	†6	....	5.30	+2.23	1.90	1.0	12	4	17	7	......	W. B. Worley
Buckhannon	Upshur	1,411	40	34.1	+1.0	75	8	10	26	40	4.00	+.24	1.50	7.5	11	6	4	18	......	H. A. Darnall
Cairo^{d}	Ritchie	680	36	37.5	+3.3	79	9	8	3	44	3.06	+.09	1.18	3.0	6	6	5	13	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	32.5	−2.1	75	8	9	6	47	2.99	−.05	1.25	5.0	14	4	8	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	......	......	......	......	......	......	....	3.11	−.21	1.10	7.8	14	5	8	15	sw.	George W. Blair
Creston	Wirt	640	35	36.6	+1.9	75	†8	6	3	49	4.99	+1.80	2.70	2.2	16	10	8	10	......	J. L. Ledsome
Dam 10 Mon. R.	Marion	826	16	......	......	......	......	......	......	....	2.54	−.33	.59	5.0	16	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	21	......	......	......	......	......	......	....	2.13	−.30	.44	6.1	15	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	16	......	......	......	......	......	......	....	2.86	−.13	.88	4.0	13	....	....	....	......	Lockmaster
Davis	Tucker	3,093	28	......	......	......	......	......	......	....	5.24	+1.77	1.79	43.0	17	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	25	......	......	......	......	......	......	....	3.18	+.32	1.35	3.5	9	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	36	31.6	.0	74	8	8	6	38	3.48	+.40	1.22	9.6	17	5	5	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	31	34.2	+1.1	77	8	13	26	49	2.63	−.39	1.10	9.6	17	8	4	16	w.	J. C. Robinson
Glenville	Gilmer	738	43	36.0	+1.4	78	8	10	6	41	5.16	+1.59	1.85	3.5	15	9	6	13	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	36.0	+3.4	76	9	12	6	42	2.86	−.05	1.10	1.5	9	8	3	17	......	L. W. Clayton
Hastings	Wetzel	809	2	38.5	......	79	9	15	26	45	2.92	......	.73	7.9	14	4	9	15	w.	L. G. McIntyre
Horner	Lewis	1,044	14	......	......	......	......	......	......	....	3.90	+.25	2.10	......	7	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	14	36.1	−2.0	76	†8	10	6	42	3.71	+.94	1.58	2.5	9	12	5	11	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	39	34.6	+1.9	76	8	5	6	41	3.69	+.61	1.68	6.5	11	6	6	16	w.	Allen Smith
Mannington	Marion	985	34	34.0	+1.2	74	8	10	6	39	2.73	−.17	.75	10.1	15	5	6	17	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	35 6	+2.8	74	8	13	†25	40	2.64	+.08	.84	9.5	9	7	8	13	sw.	Bruce Davis
New Cumberland	Hancock	671	39	33.4	+4.3	73	8	10	†25	41	1.27	−1.17	.42	2.2	11	6	7	15	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	34.4	+.9	65	20	15	†3	35	2.40	+.44	.70	4.0	7	5	5	18	n.	Wm. Ankrom
Parkersburg	Wood	615	50	34.8	+.6	76	8	14	25	34	2 58	−.55	.91	3.6	15	2	10	16	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	33.0	+1.3	76	8	11	25	43	2.42	−1.10	......	8.0	7	6	11	11	......	J. W. Swisher
Philippi	Barbour	1,550	40	......	......	......	......	......	......	....	3 85	+.67	1.91	2.9	13	....	....	....	......	H. F. Brittinham
Pickens	Randolph	2,697	34	30.6	−1.3	69	8	3	†3	37	4.87	−.22	1.07	39.5	21	8	5	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	......	......	......	......	......	......	....	3.62	+.24	1.33	11.2	13	3	5	20	......	Miss Mary A. Conrad
Terra Alta	Preston	2,559	36	^{e}26.6	−2.2	^{e}64	9	^{e}4	28	^{f}37	5.96	+2.37	1.60	37.0	12	8	6	11	w.	Ernest Naedele
Thomas	Tucker	2,950	8	......	......	......	......	......	......	....	4.22	......	1.60	21.0	14	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	14	35.3	−3.2	75	†8	9	6	40	3.77	+.70	1.80	7.5	13	6	9	13	sw.	J. C. Campbell
Vandalia	Lewis	1,120	14	......	......	......	......	......	......	....	3.43	+.41	1.22	......	8	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	30	34.2	+4.2	74	8	10	28	40	1.57	−.62	.55	T.	6	7	11	10	w.	George P. Pfister
West Milford	Harrison	979	12	......	......	......	......	......	......	....	3.82	+.49	2.00	......	7	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	36.4	+2.5	78	8	11	6	41	4.31	+.71	1.72	8.7	16	3	13	12	......	A. Henry
Wheeling (Dam 12)	Ohio	659	50	34.0	+1.9	73	8	14	6	43	1.88	−.53	.45	5.3	14	5	3	20	sw.	Lockmaster
Woodlands	Marshall	637	10	......	......	......	......	......	......	....	1.68	......	.55	4.5	9	....	....	....	......	R. W. Rist
Division averages	and extremes	......	....	**34.4**	**+1.0**	**79**	**9**	**2**	**6**	**49**	**3.37**	**+.16**	**2.70**	**9.8**	**12**	**7**	**7**	**14**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	......	......	......	......	......	......	....	2.21	......	.65	10.5	12	....	....	....	......	H. S. Sutton
Bancroft	Putnam	574	33	38.0	+3.1	79	8	14	†3	42	3.08	−.01	.81	3.0	10	6	2	20	w.	Charles N. Long
Beckley	Raleigh	2,440	34	32.9	−1.8	72	8	6	26	41	3.89	+.94	1.10	12.3	18	4	7	17	......	L. A. Mauck
Bluefield^{f}	Mercer	2,558	42	32.8	−2.0	71	9	9	26	35	4.16	+1.23	1.30	23.5	15	4	8	10	......	Norfolk & Western Ry.
Charleston	Kanawha	600	34	37.2	−2.0	77	8	11	3	51	3.35	+.04	1.00	6.5	14	6	4	18	......	S. E. Damron
Clay ††	Clay	706	21	......	......	......	......	......	......	...	3.34	+.08	1.00	10.1	20	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	10	......	......	......	......	......	......	....	2.88	.00	.71	......	16	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	21	......	......	......	......	......	......	....	3.09	+.52	.96	1.0	14	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	21	......	......	......	......	......	......	....	3.55	+.79	1.40	......	12	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	10	......	......	......	......	......	......	....	4.05	......	1.69	......	10	....	....	....	......	Lockmaster
Dam 26 O. R.	Mason	564	21	......	......	......	......	......	......	....	3.18	+.25	1.29	......	11	....	....	....	......	U. S. Engineers Office
Gary	McDowell	1,426	21	36.0	−1.9	76	8	14	†3	41	3.91	+.77	1.38	12.5	16	....	....	....	......	U S. Coal & Coke Co.
Hinton	Summers	1,431	40	36.6	+1.1	77	8	13	†11	40	3.26	+.37	1.10	5.0	16	9	6	13	......	Mrs. M. L. McClung
Huntington	Cabell	538	40	38.4	+3.7	77	8	17	11	39	3.05	−.03	1.22	5.2	13	3	10	15	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	......	......	......	......	......	......	....	2.82	+.18	.50	......	11	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	21	......	......	......	......	......	......	....	3.48	+.04	.80	16.0	20	....	....	....	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	33.8	+.5	69	8	10	26	30	2.95	+.16	1.51	4.0	13	9	9	10	......	J. K. Monroe
Logan	Logan	700	34	......	......	......	......	......	......	....	3.25	−.25	1.36	5.5	15	....	....	....	......	Paul A. Simonds
London	Kanawha	623	1	37.2	......	80	9	15	3	41	3.57	......	.91	7.0	17	8	0	20	nw.	Lockmaster
Madison	Boone	675	16	^{c}35.1	+1.5	^{c}78	8	^{c}14	†3	^{c}45	3.72	+.49	1.07	2.5	12	3	3	22	......	C. B. Whitlock
Marlinton^{a}	Pocahontas	2,185	37	32.9	−1.1	70	9	10	†11	39	2.64	−.66	.80	T.	11	8	5	14	sw.	M. B. Bruce
Point Pleasant	Mason	595	44	^{b}38.4	+5.0	^{b}73	21	^{b}17	25	^{b}41	4.32	+1.17	1.90	1.5	12	^{e}4	^{e}8	^{e}11	n.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	34.4	......	79	9	1	6	47	4.14	......	.97	17.5	23	5	6	17	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	37.9	−.9	70	21	14	†3	35	3.54	+.57	1.90	......	11	4	3	21	nw.	Lockmaster
Richwood	Nicholas	2,193	7	35.2	......	72	†8	8	26	38	3.22	......	.84	33.0	21	6	6	16	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	35.8	+1.7	78	8	15	3	46	2.98	−.06	.81	4.0	14	7	0	21	......	M. Frazier
Ryan	Roane	700	34	34.2	−.1	75	8	7	6	41	3.24	−.04	.93	2.6	15	8	6	14	......	Wm E. Ryan
Spencer	Roane	789	33	34.8	−.4	78	7	10	5	38	3.78	+.63	1.10	7.0	17	1	7	20	......	A. M. McKown
Summersville	Nicholas	1,894	4	......	......	......	......	......	......	....	4.05	......	1.02	......	14	....	....	....	......	Mrs. Ella E. Taylor
Sutton	Braxton	850	31	36.3	+.2	77	†8	10	6	41	3.78	+.34	1.25	18.0	14	11	0	17	......	C. B. Eakle
Union^{d}	Monroe	2,250	33	33.6	−1.6	69	†8	9	26	35	2.79	−.06	.70	......	11	7	1	16	......	C. B. King
Wayne	Wayne	598	10	......	......	......	......	......	......	....	3.59	......	.93	6.3	12	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	31.2	−4.3	74	8	−1	28	36	1.40	−1.23	.90	......	5	12	3	13	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	38.1	+.7	78	8	17	11	41	3.67	+.32	1.55	6.7	15	7	9	12	se.	J. E. Dotson
Division averages	and extremes	......	....	**35.5**	**+.1**	**80**	**9**	**−1**	**28**	**54**	**3.35**	**+.15**	**1.90**	**8.9**	**14**	**6**	**5**	**17**	**nw.**	
State averages and	extremes	......	....	**34.6**	**+1.5**	**80**	**9**	**−3**	**17**	**54**	**3.33**	**+.22**	**2.70**	**9.1**	**12**	**7**	**7**	**14**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for February 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	....	T.	....	.08	....	.12	.20	1.50	.47	....	....	....	....	....	.32	....	.35	....	....	....	.15	....	.08	....	.26	....	....	.37	....	....	....	3.90
Brandywine	do	....	....	....	....	T.	....	T	.45	.40	....	....	....	....	T.	....	.40	....	....	....	T.	.05	.50	T.	T.	T.	....	....	....	....	....	....	1.80
Circleville ‖	do	.34	T.	....	....	.13	T.	....	.44	.40	.14	.09	....	....	....	.17	.07	.12	....	T.	....	.11	.47	.06	.08	.16	.07	.09	T.	....	....	....	2.94
Harpers Ferry ‖	do	.28	....	....	....	.10	....	....	.70	.05	.36	....	....	....	.05	T	T.	.54	....	.01	....	.11	1.72	....	....	.10	.05	....	....	....	....	....	4.07
Kearneysville	do	....	....	....	.05	....	....	T.	.87	.47	....	....	....	....	....	T.	.60	....	T.	....	T.	.20	.92	....	.05	....	....	....	....	....	....	....	3.16
Martinsburg ‖	do	.18	.04	....	....	.10	....	....	1.00	.40	.28	....	....	....	.10	.02	....	.26	....	.02	....	.15	1.05	T.	....	T.	T.	....	....	....	....	....	3.60
McNeill	do	....	T.	....	T.	.03	....	.08	.90	.35	T	....	....	....	T.	....	.40	....	T.	T.	T.	.22	.90	T.	....	T.	....	T.	....	....	....	....	2.88
Piedmont	do	....	T.	....	T.	.06	....	....	.99	.25	....	....	....	....	....	.09	.51	....	.01	T	....	....	.62	....	....	T.	....	....	....	....	....	....	2.53
Romney	do	....	....	....	....	....	....	.10	1.10	.60	....	....	....	....	.12	T.	.70	.10	.05	....	.05	.08	1.02	.05	T.	....	....	....	....	....	....	....	3.97
Stony River Dam ‖	do	.60	T.	T.	....	.24	....	....	1.12	.40	....	T.	....	....	....	.18	.18	.40	....	....	....	....	.20	T.	.32	.32	....	.32	....	....	....	....	4.28
Upper Tract	do	....	....	....	....	T	....	....	.46	.10	....	....	....	....	....	T.	T.	.38	....	....	....	T.	.26	....	....	T.	....	....	....	....	....	....	1.20
Wardensville ‖	do	....	....	....	....	.01	....	....	.76	.20	.14	....	....	....	....	T.	T.	.54	.30	.02	T.	....	1.37	T.	....	T.	....	....	....	....	....	....	3.54
Northern Division																																	
Aberdeen	Monongahela	....	T.	....	.08	.17	....	.05	1.50	1.03	T.	....	....	....	.20	.06	.37	.03	T.	....	T.	....	.21	.10	T.	.06	T.	T.	....	....	....	....	3.86
Alma (near)	Ohio	....	....	....	....	.13	....	....	.90	.52	....	....	....	....	.18	.01	.38	....	.03	....	....	.33	....	.12	....	.03	....	....	....	....	....	....	2.63
Alpena	Monongahela	....	.05	....	.16	.40	....	.41	.85	.72	.08	....	....	....	.16	.08	.32	....	.05	....	....	T.	.16	.08	T.	.50	.42	.08	....	....	....	....	4.82
Benson	do	....	.02	....	.08	.18	.05	1.98	1.05	.02	....	....	....	....	.19	.02	.30	....	....	....	.02	....	.22	.15	....	.10	.03	T.	....	....	....	....	4.41
Bens Run	Ohio	....	....	....	.09	.08	....	.05	.55	.75	T	....	....	....	.30	....	.38	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	2.30
Brownsville	Monongahela	....	....	....	.50	.12	....	....	1.90	.99	.02	....	....	....	.17	.30	.33	....	.10	....	.19	....	....	.18	....	.50	....	....	....	....	....	....	5.30
Buckhannon	do	....	T.	....	T.	.20	....	.06	1.50	1.04	T.	....	....	....	.20	.05	.30	....	T.	....	....	....	.10	.10	.25	.20	T.	T.	....	....	....	....	4.00
Cairo	Litl.Kanawha	....	....	....	....	.09	....	....	1.18	.75	....	....	....	....	....	....	.72	....	....	....	....	....	.26	.06	....	....	....	....	....	....	....	....	3.06
Clarksburg ‖	Monongahela	.08	....	....	....	.15	T.	....	1.25	.61	.08	....	....	....	.13	.03	.10	.21	....	....	....	.01	.22	.01	.10	.01	....	....	....	....	....	....	2.99
Crawford	do	....	T.	....	.09	.03	....	.08	.90	1.10	.02	....	....	....	.12	.02	.27	....	....	....	....	.16	.08	.13	T.	.09	.02	T.	....	....	....	....	3.11
Creston ‖	Litl.Kanawha	.11	T.	....	.05	.10	....	.03	2.70	.70	T.	....	....	....	.15	T.	.33	.21	.05	....	.02	.06	.25	.17	T.	.01	.05	....	....	....	....	....	4.99
Dam 10, Mon. R. ‖	Monongahela	.14	....	.01	....	.09	T.	....	.59	.41	.16	.01	....	....	.12	.08	....	.39	....	.04	T.	T.	.23	.02	.10	.14	.01	....	....	....	....	....	2.54
Dam 13, O. R. ‖	Ohio	.17	....	....	....	.15	.01	....	.30	.44	.20	....	....	....	.18	.06	.05	.06	....	....	....	....	.27	.10	.09	.04	.01	....	....	....	....	....	2.13
Dam 15, Mon. R ‖	Monongahela	.18	....	....	....	.10	....	....	.88	.42	.13	....	....	....	.07	.09	T.	.48	....	.05	....	T.	.18	T.	.12	.14	.02	....	T.	....	....	....	2.86
Davis ‖	do	....	....	.09	....	.15	....	....	1.79	.63	.09	....	....	....	.14	.09	.13	.27	.10	T.	....	....	.86	.21	.07	.21	.19	.13	.09	....	....	....	5.24
Elizabeth (D'm 3 LK)	Litl.Kanawha	....	....	....	....	.10	....	1.35	.66	.15	....	....	....	.06	....	.35	.10	....	T.	T.	T	.26	....	.15	....	....	....	....	T.	....	....	....	3.18
Elkins***	Monongahela	T.	T.	T	.17	.09	....	.15	1.07	.69	.04	.01	....	....	.27	.01	.28	....	.03	T.	T.	.26	.05	.12	.01	.22	.01	T	T.	....	....	....	3.48
Fairmont ‖	do	T.	T.	T.	.08	.02	....	1.10	.45	.11	T.	....	....	.10	.16	.06	.04	....	.02	....	.02	.06	.04	.13	.16	.04	.04	T.	..	....	....	....	2.63
Glenville ‖	Litl.Kanawha	.05	....	....	....	.18	.06	....	1.85	.87	.12	....	....	....	.30	.04	.26	.41	....	....	.19	....	.33	.17	.10	.23	T.	....	....	....	....	....	5.16
Grafton	Monongahela	....	....	....	T.	.13	....	.04	1.10	.76	T.	....	....	....	.15	.05	.27	....	....	....	....	T.	T.	.26	T.	.10	T.	T	....	....	....	....	2.86
Hackers Creek	do	....	....	....	.05	.21	....	.07	1.95	.81	T.	....	....	....	T.	.21	.31	....	....	....	....	....	19	.14	....	.15	....	....	....	....	....	....	4.09
Hastings	Ohio	....	....	....	.07	.09	....	.01	.73	.64	T.	T.	....	....	.20	.08	.43	T.	.06	....	.01	.02	.40	.15	T.	.03	T.	T.	T.	....	....	....	2.92
Horner	Monongahela	....	....	.15	....	....	....	....	2.10	....	....	....	....	....	.15	.25	....	....	.60	....	....	....	.25	.40	....	....	....	....	....	....	....	....	3.90
Ireland	do	....	....	....	....	.17	.12	.16	.39	1.18	.12	....	....	....	.14	.10	.23	....	....	....	....	.09	....	.29	....	.11	.05	....	....	....	....	....	3.15
Jackson's Mill	do	T.	T	....	.05	.04	....	.10	1.58	.83	T.	....	....	....	.17	....	.35	....	....	....	....	T.	....	.10	....	....	.08	....	....	....	....	....	3.30
Jane Lew	do	....	....	....	.10	.10	....	....	1.58	1.03	.10	....	....	....	.14	....	.28	....	....	....	....	....	....	.32	....	.06	....	....	....	....	....	....	3.71
Lost Creek	do	....	T.	....	.04	.17	....	.07	1.68	.83	T.	....	....	....	.14	.04	.30	T.	T.	....	T.	....	.16	.11	T.	.15	T.	T.	....	....	....	....	3.69
Mannington	do	....	T.	T.	.12	.07	....	.04	.71	.57	T.	T.	....	....	.23	.09	.37	T.	.04	....	.02	.01	.22	.15	....	.08	.01	T.	....	....	....	....	2.73
Morgantown	do	..	....	....	T.	....	.15	.16	.84	.60	T.	T.	....	....	.16	....	.32	....	T.	.18	T.	.10	T.	T.	.13	T.	T.	T.	....	....	....	....	2.64
New Cumberland	Ohio	....	T.	T	.02	.03	....	....	.14	.23	.01	....	....	....	.14	.09	.03	T.	....	....	....	.42	.15	T.	....	.01	T.	T.	T.	....	....	....	1.27
New Martinsville	do	....	T.	....	.38	....	....	....	.40	.70	T.	....	....	....	....	.30	.22	....	....	....	....	.12	....	.28	T.	....	T.	....	....	....	....	....	2.40
Parkersburg***	do	....	T.	....	.06	.03	....	.49	.85	.15	T.	....	....	.01	.13	.01	.44	....	.01	....	.02	.19	....	.16	.01	.02	T.	T.	....	....	....	....	2.58
Parsons	Monongahela	....	....	....	.16	....	....	*	....	*	....	....	....	....	....	....	....	....	....	....	....	1.78	....	....	.08	.32	.08	....	....	....	....	....	2.42
Parsons No. 2	do	....	T.	....	.08	.09	....	.07	1.43	.71	.01	T.	....	....	.18	.09	.13	T.	.05	....	....	....	.26	.10	T.	.11	.01	T.	....	....	....	....	3.32
Philippi ‖	do	.07	....	....	....	.13	.02	....	1.91	.75	.11	....	....	....	.13	.07	.04	.22	....	....	....	....	....	.25	....	.12	....	.03	....	....	....	....	3.85
Pickens	do	.15	.10	.05	.08	.24	.16	.35	.22	1.07	.27	....	....	....	.20	....	.30	.08	....	....	.08	.16	.24	.32	.16	.24	.24	.16	....	....	....	....	4.87
Roanoke	do	....	....	T.	.08	.10	....	.08	1.33	1.04	.05	T.	....	....	.13	.01	.40	.01	....	....	T.	....	.20	.13	....	.06	T.	....	....	....	....	....	3.62
Rockford	do	....	T.	T.	.08	.03	....	.10	1.75	.99	....	....	....	....	.19	....	.28	....	....	....	....	.60	....	.08	T.	.03	T.	T.	....	....	....	....	4.13
Saint Marys ‖	Ohio	.11	.13	....	....	.14	....	....	.78	.73	.10	T.	....	....	.30	.02	.12	.32	....	....	....	....	.36	.10	.07	....	T.	T.	....	....	....	....	3.28
Terra Alta	Monongahela	.70	....	....	....	.30	....	....	1.60	.60	T.	.30	....	....	....	.50	....	.40	....	.16	....	....	.20	....	.10	.60	....	.50	....	....	....	....	5.96
Thomas ‖	do	.40	.07	....	....	.30	....	....	1.60	.54	.02	.07	....	....	.24	....	....	.25	....	.15	....	....	.29	....	.08	.14	.07	....	....	....	....	....	4.22
Valley Chapel	do	....	T	....	.10	.10	T.	.04	1.76	.89	T	....	....	....	.17	.04	.30	.01	.01	....	....	....	.20	.13	....	.02	T.	T.	....	....	....	....	3.77
Vandalia	do	....	....	....	.15	.10	....	....	1.22	1.06	....	....	....	....	.18	....	.31	....	....	....	....	....	.27	.14	....	....	....	....	....	....	....	....	3.43
Wellsburg	Ohio	....	T.	T.	T.	T.	....	....	.15	.52	....	....	....	....	.05	.16	.14	....	....	....	....	T.	.55	....	....	T.	....	....	....	....	....	....	1.57
West Milford	Monongahela	....	....	....	....	.07	....	.10	2.00	.90	....	....	....	....	.20	....	.30	....	....	....	....	....	....	.25	....	....	....	....	....	....	....	....	3.82
Weston ‖	do	.08	T.	....	....	.25	.01	....	1.72	.95	.17	....	....	....	.20	.08	.10	.24	....	....	....	.04	.23	.12	....	.08	.02	.02	....	....	....	....	4.31
Wheeling (Dam 12) ‖	Ohio	.25	T.	T.	T.	.10	.02	....	.22	.45	.02	T.	....	....	.16	.06	.06	.13	....	....	....	....	.33	.02	.02	.04	....	T	....	....	....	....	1.88
Woodlands ‖	do	....	T.	T.	T.	.13	.05	....	.25	.55	....	....	....	....	.25	.05	T.	....	T.	....	....	....	.32	.06	....	.02	....	....	....	....	....	....	1.68
Southern Division																																	
Arbovale ‖	Gr. Kanawha	....	T.	....	.08	T.	....	.53	....	.65	T.	....	....	....	.05	.04	.21	....	....	.08	T.	.22	T.	.08	.08	.08	T.	T.	.08	....	....	....	2.21
Bancroft	do	....	....	....	....	.07	....	....	.54	.81	....	....	....	....	.45	....	.36	.22	....	....	.10	....	.40	.08	....	.05	....	....	....	....	....	....	3.08
Beckley	do	....	T.	....	.07	.16	.04	.40	.15	1.10	.04	....	....	....	.13	.08	.57	....	.07	....	.14	.30	....	.09	.30	.11	.01	T.	.13	....	....	....	3.89
Bluefield	do	.21	....	....	.02	.12	....	....	..	1.30	.03	....	....	....	....	.17	.19	.05	.03	T.	.22	....	....	.20	.50	.40	.40	.32	....	....	....	....	4.16
Camden-on-Gauley ‖	Gauley	....	.15	....	....	.15	.05	....	.48	.75	.20	.04	....	....	.15	....	.40	.72	....	.06	.05	....	.25	.05	.12	.08	.06	.02	....	....	....	....	3.78
Charleston	Gr. Kanawha	....	T.	....	.16	.01	T.	.43	1.00	.10	T.	....	....	....	....	.82	.30	T.	.08	....	....	.29	.08	.03	.03	.01	T.	....	.01	....	....	....	3.35
Charleston No. 2	do	.05	....	....	....	.32	T.	....	.40	1.00	.12	....	....	....	.20	....	.68	.30	.24	....	.09	.06	.27	.08	T.	.09	...	....	.04	....	....	....	3.94
Clay ‖	do	.09	T.	....	....	.12	.02	.07	.24	1.00	.21	T.	....	....	.02	....	.59	.16	....	.12	.02	.04	.31	.03	.15	.09	.03	.02	.01	....	....	....	3.34
Dam 6 G. K. ‖	do	...	....	....	....	.05	T.	.21	.45	.71	.12	....	....	....	.19	....	.44	.13	....	.05	.07	.08	.16	.05	.08	.05	T.	T.	.04	....	....	....	2.88
Dam 19 O. R. ‖	Ohio	....	T.	....	....	.06	T.	....	.96	.78	.12	....	....	....	.15	T.	.16	.39	.02	.02	.06	.01	.20	.07	.09	T.	T.	....	T.	....	....	....	3.09
Dam 20 O. R. ‖	do	....	T.	....	....	.12	T.	....	1.40	.60	.10	....	....	.07	....	T.	.25	.42	....	....	.10	.02	.25	T.	.10	.12	....	T.	....	....	....	....	3.55
Dam 25 O. R. ‖	do	....	....	....	....	....	....	....	1.69	.65	.09	....	....	....	.12	....	.60	.26	....	....	.16	....	.16	.20	....	.12	....	....	....	....	....	....	4.05
Dam 26 O. R. ‖	do	....	....	....	....	....	....	....	1.29	.65	....	....	....	....	.25	....	.50	.08	....	.02	.13	....	.10	.04	.10	.02	....	....	....	....	....	....	3.18
Gary ‖	Big Sandy	.04	....	....	....	.05	....	.02	.16	1.38	.17	....	....	....	.07	....	.40	.10	.07	...	.18	.01	....	....	.66	.10	.10	....	.40	....	....	....	3.91
Hinton ‖	do	.12	....	....	....	.07	T.	.01	.59	1.10	....	.07	....	....	.08	....	.30	.11	T.	.05	.09	.03	.17	....	.26	T.	.02	T.	.19	....	....	....	3.26
Huntington	Ohio	....	T.	....	.01	T.	T.	.22	.34	1.22	....	....	....	....	.11	.04	.65	....	.01	....	.13	.14	....	.12	T.	.02	....	....	.04	....	....	....	3.05
Kanawha Falls ‖	Gr. Kanawha	....	....	....	....	.15	T.	....	.43	.50	.36	....	....	....	.12	....	.23	.38	....	....	....	....	.34	T.	.10	.01	T.	....	.20	....	....	....	2.82
Kayford ‖	do	.01	T.	.01	T.	.08	.03	.01	.30	.80	.23	.02	....	....	.12	....	.60	.31	....	....	.04	....	.49	.02	.20	.06	.04	.01	.10	....	....	....	3.48
Lewisburg	do	T.	....	....	T.	.02	....	.04	.09	1.51	T.	T.	....	....	.11	....	.45	....	.12	....	.10	.03	.12	.02	.14	T.	T.	T.	.20	....	....	....	2.95
Logan ‖	Guyandotte	.05	....	T.	....	.10	T.	.01	.26	1.25	.11	T.	....	....	....	.16	.39	.31	....	.01	.10	.03	.26	T.	.13	T.	T.	T.	.08	....	....	....	3.25
London	Gr. Kanawha	.12	T.	....	....	.09	.01	....	.52	.91	.24	....	....	....	.13	....	.54	.40	T.	....	.04	.07	.34	.02	.10	.01	.01	....	.02	....	....	....	3.57
Madison	do	....	....	....	T.	T.	....	.46	1.07	T.	.10	....	....	.13	....	.51	.33	....	....	.20	....	.33	.06	....	.02	.01	....	.50	....	....	....	....	3.72
Marlinton	do	....	....	....	T.	T.	....	.44	.17	.80	T.	....	....	....	.12	T.	.43	....	.15	....	.05	.26	T.	....	.05	.02	....	....	.15	....	....	....	2.64
Point Pleasant ‖	Ohio	....	....	....	....	....	....	1.90	....	.59	.09	....	....	....	.12	....	.69	.25	.06	T.	.15	....	.19	.19	.06	.03	T.	....	....	....	....	....	4.32
Rainelle	Meadow Creek	T.	.01	....	.09	.43	.01	.42	.07	.97	.03	.03	.01	....	.15	.04	.84	.05	.07	T.	.07	.21	.07	.05	.21	.11	.05	T.	.15	....	....	....	4.14
Ravenswood (Dam 22	Ohio ‖	....	....	....	....	.05	....	....	1.90	....	.20	....	....	....	.12	....	.45	.20	....	....	.10	....	.27	.15	.05	.05	....	....	....	....	....	....	3.54
Richwood	Gr. Kanawha	....	.02	....	.01	.16	....	.46	.02	.84	.01	.01	....	....	.23	.05	.43	.09	.05	...	....	.03	.21	.09	.14	.08	.10	.03	.16	....	....	....	3.22
Robertsburg ‖	do	.18	....	....	....	.04	....	....	.77	.81	.11	....	....	....	.16	....	.31	.08	....	.02	.12	....	.22	.12	.02	.02	T.	....	....	....	....	....	2.98
Ryan	do	....	....	...	.06	.08	....	.17	.35	.93	.02	....	....	....	.22	.03	.60	....	.06	....	.05	.38	....	.22	T.	.05	.02	....	....	....	....	....	3.24
Sharples ‖	Coal River	....	....	....	....	....	....	....	1.10	1.19	....	....	....	....	....	.40	.35	....	....	....	....	.35	.31	....	T.	....	....	....	....	....	....	....	3.70
Spencer ‖	Gr. Kanawha	....	....	.08	.08	.08	.10	1.10	.77	....	....	....	....	....	.27	....	.30	T.	.20	.13	.04	.02	.24	.05	.18	.08	....	....	.06	....	....	....	3.78
Summersville ‖	do	....	.02	....	....	.26	....	....	.26	.60	1.02	....	....	....	.26	....	.73	.23	.05	....	.10	....	.25	.04	.10	....	....	....	.13	....	....	....	4.05
Sutton	do	....	....	....	.08	.16	....	.30	.20	1.25	.24	....	....	....	.20	.08	.48	....	T.	....	.10	....	.20	.25	T.	.16	.08	T.	....	....	....	....	3.78
Thornwood ‖	do	....	..	.11	....	....	....	.50	.52	....	....	.05	....	....	.12	....	.41	....	.15	....	....	.13	.14	....	....	....	....	....	....	....	....	....	2.13
Union	do	.35	....	....	....	....	....	....	.47	.70	.10	....	....	....	....	.08	.30	.05	.04	....	.15	...	.25	....	.30	....	....	....	....	....	....	....	2.79
Wayne ‖	Big Sandy	.02	....	....	....	....	....	....	.59	.87	.16	....	....	....	.18	....	.93	.17	....	....	.18	.03	.30	....	....	.03	....	....	.13	....	....	....	3.59
White Sulpr. Spgs. ‖	Gr. Kanawha	....	....	....	....	....	....	....	.90	.25	....	....	....	....	....	....	.10	....	....	....	.05	....	....	.10	....	....	....	....	....	....	....	....	1.40
Williamson ‖	Big Sandy	.03	....	....	....	.02	T.	....	.32	1.40	.15	....	....	....	.16	T.	.38	.33	....	.03	.15	.01	.23	....	.28	.01	....	....	.17	....	....	....	3.67

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for February 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	45	35	32	32	32	43	40	71	67	35	32	50	57	50	45	40	40	40	50	46	50	50	30	35	30	20	25	33	....	....	....	41.2
	Minimum	23	14	11	9	11	5	29	32	35	18	7	25	25	23	23	30	18	15	30	33	33	20	25	20	9	7	20	5	....	....	....	19.8
Brandywine	Maximum	47	40	35	32	27	49	52	65	62	45	37	54	57	48	54	45	48	46	48	47	54	50	40	37	32	25	37	30	....	....	....	44.4
	Minimum	30	17	9	14	15	12	25	34	45	22	9	20	22	32	22	24	6	20	35	26	38	25	20	27	15	10	12	18	....	....	....	21.6
Kearneysville	Maximum	49	41	35	33	32	39	43	45	49	43	37	54	60	58	51	47	42	41	47	40	57	58	48	42	32	31	40	34	..	....	....	43.9
	Minimum	32	21	18	15	24	17	32	33	34	26	17	28	30	35	28	30	15	14	29	26	36	30	28	29	20	11	28	17	....	....	....	25.1
Martinsburg*	Maximum	50	40	35	35	35	45	45	45	48	40	35	55	62	50	50	40	42	42	45	41	58	41	50	42	32	35	40	..	....	....	....	43.6
	Minimum	37	20	18	16	20	20	20	30	35	28	19	18	26	28	28	32	18	20	22	26	28	30	25	29	26	17	22	18	....	....	....	24.2
McNeill	Maximum	52	42	40	33	32	50	50	58	52	44	42	62	67	58	56	50	44	44	49	43	56	48	50	46	41	38	36	37	....	....	....	47.1
	Minimum	33	20	10	10	17	10	25	32	36	25	15	18	23	31	28	30	−3	11	30	21	34	27	22	26	17	14	25	17	....	....	....	21.6
Piedmont	Maximum	43	31	35	29	26	43	45	49	54	39	35	55	60	40	46	38	43	37	47	40	48	41	40	42	26	30	34	27	....	....	....	40.1
	Minimum	31	19	18	17	19	14	29	36	39	24	15	23	29	32	27	32	20	19	33	28	41	27	25	26	19	14	27	19	....	....	....	25.1
Romney	Maximum	41	..	..	..	..	..	..	..	..	..	..	60	67	63	47	51	40	43	54	60	60	..	67	49	50	32	39	37	....	....	....	50.6
	Minimum	36	..	..	..	..	..	..	..	..	..	..	53	53	37	37	37	37	38	38	38	43	..	32	29	19	11	30	18	....	....	....	34.5
Upper Tract	Maximum	..	35	37	35	31	50	56	65	62	51	43	44	53	42	50	51	43	37	50	48	55	51	40	41	38	28	..	38	....	....	....	45.2
	Minimum	..	18	9	14	17	14	18	27	43	23	13	16	23	25	25	26	30	7	28	27	34	25	28	25	15	12	..	17	....	....	....	21.5
Wardensville	Maximum	48	52	34	33	30	49	40	62	53	43	38	56	61	42	54	41	45	38	47	..	59	38	39	41	31	31	33	31	....	....	....	43.3
	Minimum	30	21	18	14	20	13	21	31	37	27	12	21	23	32	29	32	2	11	31	25	..	25	23	29	23	10	24	17	....	....	....	22.3
Northern Division																																	
Alpena	Maximum	42	31	34	35	30	40	40	70	64	33	30	50	56	51	42	37	41	35	53	44	55	40	31	31	28	19	25	30	....	....	....	39.9
	Minimum	26	11	7	12	10	4	28	34	31	16	6	18	23	22	21	25	9	21	30	27	34	17	23	16	5	4	6	10	....	....	....	17.7
Bens Run	Maximum	43	34	35	34	34	45	42	72	64	48	46	58	65	65	44	39	39	41	56	53	54	68	45	42	35	31	33	43	....	....	....	46.7
	Minimum	28	20	15	24	18	17	28	35	34	24	16	30	40	25	35	21	21	26	21	35	36	30	30	20	15	19	27	25	....	....	....	25.5
Buckhannon	Maximum	50	35	30	40	32	43	44	75	73	35	33	52	60	54	45	45	35	40	55	53	68	40	40	38	32	28	32	34	....	....	....	44.3
	Minimum	29	17	14	18	15	11	26	38	33	22	13	22	23	28	27	28	23	24	35	33	44	28	28	26	14	10	22	17	....	....	....	23.9
Cairo	Maximum	48	57	36	38	34	44	52	74	79	37	33	52	58	62	39	43	52	45	51	61	71	54	42	..	..	..	..	42	....	....	....	50.2
	Minimum	28	19	8	29	13	10	36	40	35	25	13	21	21	29	27	22	24	24	33	32	39	25	28	..	..	..	..	15	....	....	....	24.8
Clarksburg*	Maximum	40	28	31	34	22	45	53	75	52	50	37	53	59	34	43	36	37	40	55	56	67	37	35	39	29	28	30	35	....	....	....	42.1
	Minimum	26	18	13	19	11	9	14	28	50	24	16	16	23	24	28	32	24	24	29	32	35	26	26	26	17	13	20	18	....	....	....	22.9
Creston	Maximum	53	49	44	33	25	44	44	75	75	70	60	55	60	58	54	50	46	41	59	55	52	50	40	40	39	35	33	38	....	....	....	49.2
	Minimum	29	18	6	20	19	20	25	35	31	21	13	22	21	38	36	30	23	25	32	32	35	25	26	25	13	12	20	22	....	....	....	24.1
Elkins	Maximum	39	22	32	37	28	44	42	74	66	28	33	53	59	50	45	40	39	38	54	49	61	32	34	35	28	23	27	31	....	....	....	40.8
	Minimum	22	16	14	16	14	8	31	42	28	15	11	30	24	26	29	24	21	25	35	35	29	23	28	25	9	9	21	15	....	....	....	22.3
Fairmont	Maximum	42	27	34	34	27	48	57	77	57	50	40	55	61	38	42	36	40	40	56	58	67	58	39	41	29	30	30	37	....	....	....	44.6
	Minimum	27	19	16	19	15	15	18	28	50	23	16	17	29	27	28	30	23	24	30	34	35	26	27	24	17	13	20	18	....	....	....	23.9
Glenville	Maximum	55	41	32	35	35	48	47	78	75	37	39	55	63	58	45	46	37	41	62	58	64	54	40	39	39	31	33	38	....	....	....	47.3
	Minimum	30	19	12	20	18	10	25	37	34	24	16	23	23	31	30	31	25	31	25	35	37	26	27	26	16	15	25	23	....	....	....	24.8
Grafton	Maximum	51	35	36	37	34	45	46	74	76	36	36	57	61	62	44	41	42	42	61	53	68	68	38	41	33	30	31	37	....	....	....	47.0
	Minimum	26	19	18	19	17	12	25	40	34	23	16	23	24	29	28	32	24	25	36	32	44	26	30	27	15	14	25	18	....	....	....	25.0
Lost Creek	Maximum	50	39	32	35	33	44	44	76	75	34	34	53	60	48	43	42	39	40	59	57	70	65	38	38	35	28	30	35	....	....	....	45.6
	Minimum	25	18	12	18	15	5	23	36	34	23	15	25	22	29	26	31	24	23	36	30	42	25	29	25	14	12	25	18	....	....	....	23.6
Mannington	Maximum	50	36	30	35	33	43	44	74	72	37	33	52	58	55	42	41	37	40	52	51	66	60	38	38	36	29	31	33	....	....	....	44.5
	Minimum	26	18	13	17	14	10	23	35	35	23	15	22	22	29	28	32	23	23	35	30	41	25	30	20	15	14	26	17	....	....	....	23.6
Morgantown	Maximum	38	40	37	35	37	35	70	74	73	35	35	52	65	59	40	40	50	50	45	55	65	45	36	30	18	25	28	33	....	....	....	44.5
	Minimum	33	33	18	20	33	14	30	52	35	14	18	32	42	27	27	30	30	30	36	33	38	25	18	18	13	13	18	14	....	....	....	26.6
New Cumberland	Maximum	47	42	33	35	33	47	47	73	70	38	34	53	58	58	45	44	44	46	49	57	63	43	38	43	36	35	33	35	....	....	....	45.7
	Minimum	22	15	15	18	14	13	22	32	29	19	12	28	26	25	23	27	14	24	34	31	25	23	21	22	10	14	20	10	....	....	....	21.0
New Martinsville	Maximum	40	35	35	33	35	45	48	64	58	35	37	52	60	55	44	42	38	41	54	65	60	40	39	40	36	31	32	35	....	....	....	43.9
	Minimum	32	18	15	24	17	17	22	34	34	25	16	29	27	30	29	32	18	27	32	35	25	26	31	23	15	17	27	18	....	....	....	24.8
Parkersburg	Maximum	40	26	33	35	26	49	45	76	55	28	36	55	60	53	43	39	37	41	57	52	68	42	39	42	27	31	33	35	....	....	....	43.0
	Minimum	24	19	15	22	18	19	29	45	28	17	16	33	36	30	33	26	25	29	39	43	34	27	29	27	14	20	28	22	....	....	....	26.7
Parsons	Maximum	42	29	36	30	32	44	42	76	69	40	35	56	60	51	48	40	44	41	55	52	50	35	36	37	32	25	30	35	....	....	....	42.9
	Minimum	29	17	16	17	16	12	29	38	32	20	13	13	24	25	38	28	28	25	25	33	24	23	28	31	11	12	23	16	....	....	....	23.1
Pickens	Maximum	42	35	35	37	35	40	48	69	64	38	44	49	56	49	44	39	40	45	42	48	58	43	32	38	25	25	27	36	....	....	....	42.2
	Minimum	21	11	3	15	10	3	28	43	28	15	7	23	27	23	22	25	17	30	28	30	30	17	22	20	5	4	17	12	....	....	....	19.1
Terra Alta	Maximum	36	36	35	35	35	..	53	50	64	45	30	44	..	49	33	29	31	32	39	..	43	43	28	30	30	18	20	30	....	....	....	36.7
	Minimum	24	12	9	13	9	10	..	13	45	15	9	8	27	..	21	24	15	15	25	29	..	19	19	19	12	5	12	4	....	....	....	16.5
Wellsburg	Maximum	45	30	32	33	34	45	44	74	72	36	36	52	59	55	42	41	36	40	48	59	65	62	35	40	36	32	32	34	....	....	....	44.6
	Minimum	24	16	16	18	15	18	25	35	32	22	15	25	23	28	27	31	11	23	34	31	45	25	28	25	15	18	28	10	....	....	....	23.7
Weston	Maximum	51	41	32	36	34	46	48	78	75	42	36	41	56	54	44	44	38	41	61	60	71	67	38	42	38	28	32	35	....	....	....	46.8
	Minimum	29	20	15	21	17	11	24	38	38	35	24	16	29	30	30	23	25	26	38	35	46	26	29	29	15	12	25	20	....	....	....	25.9
Wheeling (Dam 12)	Maximum	37	28	33	34	26	49	57	73	56	43	38	53	60	38	45	37	40	42	53	60	69	48	38	43	30	31	34	38	....	....	....	44.0
	Minimum	25	18	18	19	16	14	21	30	43	25	16	16	30	31	32	31	16	16	30	34	36	26	26	26	16	17	23	16	....	....	....	23.9
Southern Division																																	
Beckley	Maximum	45	34	39	38	33	42	52	72	69	33	34	53	59	52	47	47	42	38	51	47	59	35	38	37	31	32	33	33	....	....	....	43.8
	Minimum	29	14	9	21	14	10	36	47	28	19	8	23	30	26	28	25	18	19	20	35	34	20	25	22	12	6	18	20	....	....	....	22.0
Bluefield	Maximum	47	40	43	40	33	44	..	..	71	36	34	51	56	..	56	49	43	38	50	44	..	..	56	34	32	22	30	..	....	....	....	43.1
	Minimum	33	15	12	30	14	14	..	..	36	20	10	26	32	..	27	25	20	31	30	35	..	..	22	26	15	9	13	..	....	....	....	22.5
Charleston	Maximum	45	35	34	35	31	48	62	77	61	51	40	55	60	59	48	35	36	45	60	68	67	48	48	46	34	32	36	44	....	....	....	47.9
	Minimum	34	22	11	12	22	19	33	23	51	28	12	18	24	29	32	27	27	27	28	36	44	28	29	33	21	18	24	28	....	....	....	26.4
Gary*	Maximum	47	37	43	43	29	49	60	76	53	51	39	56	62	42	53	33	43	44	59	58	68	42	46	41	31	28	35	36	....	....	....	46.6
	Minimum	37	21	14	14	20	18	23	42	48	26	14	15	21	25	31	30	26	26	31	31	42	28	25	30	26	15	14	17	....	....	....	25.4
Hinton*	Maximum	50	34	47	39	29	38	43	77	53	51	42	60	58	47	48	40	47	40	59	47	60	63	45	44	29	38	37	38	....	....	....	46.5
	Minimum	34	19	15	15	19	15	16	37	51	25	13	25	25	31	36	40	21	31	38	40	39	27	24	29	26	13	18	25	....	....	....	26.7
Huntington	Maximum	49	38	38	37	35	49	47	77	74	35	40	58	60	58	48	47	38	43	60	56	73	45	42	45	41	33	35	40	....	....	....	47.9
	Minimum	32	22	19	29	23	24	33	38	35	25	17	30	29	32	31	32	26	31	34	43	38	28	34	33	19	19	27	26	....	....	....	29.0
Lewisburg	Maximum	45	38	36	35	33	41	40	69	62	37	32	49	54	49	46	44	39	36	46	43	55	45	43	36	34	25	32	33	....	....	....	42.0
	Minimum	34	17	14	25	17	14	38	39	37	23	12	20	27	32	30	30	20	30	33	35	39	25	28	26	15	10	22	23	....	....	....	25.5
London*	Maximum	55	48	29	40	41	28	48	67	80	55	33	41	58	67	43	48	42	41	46	58	56	70	42	40	41	27	31	31	....	....	....	46.6
	Minimum	35	24	15	28	23	17	17	36	50	29	19	17	24	26	33	31	28	28	34	34	43	32	28	33	25	18	22	28	....	....	....	27.8
Madison	Maximum	45	29	39	38	32	48	..	78	52	29	..	..	62	40	51	39	42	44	64	65	72	44	38	43	25	31	36	38	....	....	....	45.0
	Minimum	20	17	14	21	20	31	..	40	25	14	..	..	25	32	30	26	26	31	33	44	27	27	30	20	16	21	25	14	....	....	....	25.2
Point Pleasant	Maximum	..	..	..	..	..	..	..	..	71	40	48	54	60	58	41	37	38	45	59	58	73	44	42	45	42	34	36	37	....	....	....	48.1
	Minimum	..	..	..	..	..	..	..	..	30	28	20	29	30	30	30	31	25	30	35	39	40	26	32	30	17	19	28	24	....	....	....	28.6
Rainelle	Maximum	55	55	47	45	47	47	48	73	79	55	44	57	57	63	44	53	46	47	50	52	55	38	36	37	32	24	30	35	....	....	....	48.2
	Minimum	30	14	9	17	15	1	33	37	32	19	3	13	19	26	26	26	19	28	32	33	36	21	18	24	12	2	13	21	....	....	....	20.7
Ravenswood	Maximum	62	53	40	39	39	50	50	62	60	50	45	58	60	57	54	45	42	45	59	59	70	45	43	42	42	33	35	37	....	....	....	49.1
	Minimum	38	19	14	25	18	15	28	36	33	23	16	29	30	30	31	30	28	30	36	41	36	26	30	28	14	17	25	22	....	....	....	26.7
Richwood	Maximum	48	38	40	39	35	47	46	72	72	37	34	53	57	54	42	42	42	44	46	47	55	57	58	52	41	41	42	37	....	....	....	47.1
	Minimum	33	14	11	23	14	9	33	43	34	20	11	19	25	25	25	27	20	30	33	37	42	22	22	25	12	8	12	20	....	....	....	23.2
Robertsburg*	Maximum	42	32	41	37	30	49	62	78	46	41	41	58	63	37	41	34	40	45	64	55	74	45	38	44	31	32	36	39	....	....	....	45.5
	Minimum	32	21	15	17	20	17	24	32	41	26	16	16	28	28	31	33	25	25	33	34	44	28	28	30	18	18	23	26	....	....	....	26.0
Ryan	Maximum	46	35	36	36	32	48	41	75	72	32	35	55	60	45	44	40	36	40	60	55	70	40	35	39	34	29	38	36	....	....	....	44.4
	Minimum	29	20	10	20	13	7	25	40	32	22	12	21	22	29	26	30	22	25	34	38	35	35	25	25	15	15	19	24	....	....	....	23.9
Spencer*	Maximum	43	30	35	26	47	59	78	52	47	30	38	55	61	35	43	33	41	42	61	54	64	41	37	44	27	30	29	37	....	....	....	43.5
	Minimum	30	20	12	22	10	21	40	50	25	24	14	28	27	28	31	32	24	25	35	34	43	26	27	27	17	15	21	24	....	....	....	25.1
Sutton	Maximum	52	43	34	35	35	47	47	77	77	36	38	58	61	61	45	45	38	42	60	60	66	66	40	37	37	28	33	34	....	....	....	47.6
	Minimum	30	20	11	24	19	10	30	41	36	25	14	22	22	20	31	31	25	24	35	33	45	27	26	29	16	13	24	16	....	....	....	25.0
Union	Maximum	45	43	39	41	32	40	..	69	69	47	32	51	55	..	55	43	39	40	50	50	..	56	43	34	32	23	32	..	....	....	....	44.2
	Minimum	32	15	12	21	16	13	..	37	48	20	10	16	24	..	29	21	21	28	33	35	..	24	23	25	17	9	21	..	....	....	....	22.9
White Sulphur Spgs.	Maximum	42	31	35	38	26	37	42	74	54	28	38	50	58	35	42	35	44	36	44	45	52	33	36	40	25	30	34	35	....	....	....	40.0
	Minimum	17	10	20	17	10	33	37	50	22	12	12	19	31	30	32	11	27	30	31	38	24	18	25	21	10	20	23	−1	....	....	....	22.5
Williamson*	Maximum	47	37	43	42	34	52	61	78	59	52	43	59	60	44	44	36	45	45	64	59	72	56	40	44	33	32	35	36	....	....	....	48.3
	Minimum	36	23	19	19	23	23	30	41	51	26	17	18	24	27	33	31	28	29	33	33	44	29	29	31	24	19	20	20	....	....	....	27.9

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 3 25-37—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

R. P. POWELL

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., MARCH 1937 No. 3

GENERAL SUMMARY

March was a dry month. All stations throughout the State showed deficiencies in rainfall. It was the fifth driest March of record. Precipitation occurred frequently, but the amounts were mostly light and unimportant. The greatest amounts were received in the northern mountain section and the least in the Ohio river counties. The month was also cold, the deficiencies reported being quite general and equally distributed over the State. It was unseasonably cold the first few days of the month with a low reading of 3° below zero in the mountain section. The warm weather occurred from the 20th to the 23d at most places over the State. It was the coldest March since 1916. The cold weather held back fruit buds in most sections of the State, but near the close of the month they developed quite rapidly. Very little work done in the way of planting and sowing except near the end of the month. Unusually heavy snowfall in the central or mountain counties. At the close of the month the season was a week to ten days late.

TEMPERATURE

The average temperature for the northeastern panhandle division was 38.2°, or 3.0° below normal; for the northern division, 37.5°, or 4.3° below normal; for the southern division, 39.7°, or 3.9° below normal; and for the State, 38.5°, or 3.9° below normal. The highest monthly mean temperature was 43.0° at Huntington, and the lowest, 28.6° at Terra Alta. The highest temperature was 80° at London on the 20th, and the lowest, 3° below zero at Alpena on the 1st, making the monthly range 83° for the State. The greatest daily range was 47° at Robertsburg on the 20th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.70 inches, or 1.39 inches below normal; for the northern division, 2.42 inches, or 1.65 inches below normal; for the southern division, 1.72 inches, or 2.41 inches below normal; and for the State, 2.05 inches, or 1.88 inches below normal. Most of the precipitation was received on the 8-10th, 13-18th, and 24-27th. The greatest monthly precipitation was 4.23 inches at Parsons, and the least, 0.58 of an inch at Dam 25 Ohio River. The greatest amount in any 24 consecutive hours was 1.27 inches on the 15th at Cairo. The average monthly snowfall, 11.0 inches, was about twice the normal. The greatest monthly snowfall was 59.0 inches at Davis. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

Dust, moderate: 20th, 1; 24th, 2; 25th, 5.
Earthquake: 9th, 2.

MISCELLANEOUS PHENOMENA (Continued)

Fogs, dense: 6th, 1; 10th, 1; 14th, 1; 15th, 1; 16th, 1; 18th, 1; 19th, 2; 21st, 1; 22d, 2; 23d, 1.
Hail, light: 19th, 1; 20th, 3; 24th, 3; 25th, 6; 26th. 1.
heavy: 20th, 3; 25th, 1.
Halo, lunar: 22d, 1.
Sleet: 13th, 2; 14th, 4.
Thunderstorms: 12th, 1; 20th, 15; 21st, 2; 23d, 1; 24th, 6; 25th, 10.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	local noon	8 p. m.	
Cincinnati, Ohio	30.09	30.43	22	29.40	24	8.6	28	sw.	20	83	58	64	56
Columbus, Ohio	30.06	30.43	22	29.39	24	9.8	45	sw.	20	78	61	66	48
Elkins	30.06	30.47	3	29.49	25	7.9	29	w.	25	83	60	63	52
Parkersburg	30.08	30.47	3	29.47	25	7.4	28	sw.	26	85	59	62	50
Pittsburgh, Pa	29.99	30.43	3	29.40	24	12.9	41	sw.	20	80	65	65	54
Wytheville, Va	30.00	30.47	3	29.54	25	8.8	28	w.	25	76	54	58	48

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	**94**	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	**.55**	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3 30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	**34.4**	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3 23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
Period	42.4	94	−18	3.09	4.07	4.13	3.93	6.1	11	11	7	13

Climatological Data for March 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	34.1	−3.6	62	20	3	1	35	3.52	−0.99	1.24	18.5	9	15	1	15	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	38.8	−2.6	68	29	7	1	46	.85	−1.62	.50	9.0	4	22	4	5	n.	Elmer Keister
Circleville	Pendleton	....	5	....	....	....	....	....	....	....	1.84	−1.21	.24	2.5	10	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	....	....	....	....	....	....	....	1.41	−1.85	.53	7.0	8	....	....	....	....	Eleanor White
Kearneysville	Jefferson	548	7	40.1	....	66	4	16	1	39	1.11	....	.37	8.0	6	14	10	7	nw.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	[a]39.4	−2.2	[a]68	4	17	†1	[a]42	1.79	−1.47	.72	13.0	7	22	8	1	se.	Dr. H. S. Gardner
McNeill	Hardy	900	41	38.6	−2.4	66	†4	5	1	45	1.82	−.77	.50	15.0	7	7	8	16	w.	D M. McNeill
Piedmont	Mineral	1,053	24	38.4	−2.8	61	†4	15	1	32	1.73	−1.25	.99	10.5	5	12	13	6	w.	C. A. Suter, Jr.
Romney	Hampshire	824	39	40.0	−2.4	65	24	15	1	37	1.55	−1.31	.60	7.0	7	13	12	6	....	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	....	....	....	....	....	....	....	2.14	−1.21	.70	19.0	8	....	....	....	w.	A. C. Becker
Upper Tract [c]	Pendleton	1,230	38	39.0	−3.3	68	20	11	1	39	1.43	−.74	.65	11.0	5	14	9	5	....	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	16	[a]39.2	−2.7	[a]65	20	[a]11	1	[b]39	1.18	−1.02	.76	9.2	7	[a]15	[a]10	[a]5	....	Reymann Memorial Farm
Division averages	and extremes	....	....	**33.2**	**−3.0**	**68**	**†4**	**3**	**1**	**46**	**1.70**	**−1.39**	**1.24**	**10.8**	**7**	**15**	**8**	**8**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	....	....	....	....	....	....	....	2.86	−.93	1.00	15.5	13	7	9	15	w.	L. Else Bond
Alma (near)	Tyler	800	10	....	....	....	....	....	....	....	1.47	−2.54	.52	8.0	11	12	6	13	....	D. N. Furbee
Alpena	Randolph	2,571	7	32.6	....	66	20	−3	1	38	4.07	....	.62	30.0	14	10	7	14	w.	Christian Hertig
Benson	Harrison	1,080	13	37.1	−3.2	70	20	9	1	41	2.32	−1.14	.94	19.0	12	12	10	9	....	R. D. Marts
Bens Run	Tyler	652	35	39.4	−4.1	69	20	17	10	31	1.54	−2.50	.32	7.5	9	17	8	6	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	....	....	....	....	11	1	....	3.49	+.02	.86	11.5	10	9	16	6	....	W. B. Worley
Buckhannon	Upshur	1,411	40	37.4	−4.5	70	†20	12	1	33	2.72	−1.79	.85	10.0	8	14	4	13	....	H. A. Darnall
Cairo[d]	Ritchie	680	36	39.3	−5.0	72	20	8	2	41	1.96	−1.86	1.27	7.0	3	15	0	12	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	36.0	−3.7	69	†20	12	1	39	2.22	−.80	.58	15.0	11	14	5	12	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	....	....	....	....	....	....	....	2.52	−1.81	1.05	9.1	12	14	7	10	nw.	George W. Blair
Creston	Wirt	640	35	40.2	−3.8	72	20	11	1	43	2.22	−1.88	.59	13.0	10	12	10	9	....	J. L. Ledsome
Dam 10 Mon. R.	Marion	826	16	....	....	....	....	....	....	....	1.80	−1.97	.48	5.5	12	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	21	....	....	....	....	....	....	....	1.71	−1.72	.40	7.0	10	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Marion	882	16	....	....	....	....	....	....	....	2.28	−.86	.60	7.0	12	....	....	....	....	Lockmaster
Davis	Tucker	3,093	28	....	....	....	....	....	....	....	3.98	+.23	.81	59.0	16	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	25		....	....	....	....	....	....	2.08	−1.67	.40	12.0	9	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	36	35.2	−4.8	70	20	8	1	35	3.51	−.29	1.06	11.9	16	6	11	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	31	38.6	−2.9	69	24	15	†1	34	2.55	−1.42	.58	16.8	13	14	2	15	nw.	J. C. Robinson
Glenville	Gilmer	738	43	40.0	−4.7	75	20	13	1	41	2.28	−2.01	.68	6.4	11	18	1	12	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	39.0	−2.5	70	24	12	1	39	2.29	−1.47	.84	6.5	10	12	10	9	....	L. W. Clayton
Hastings	Wetzel	809	2	41.4	....	74	20	17	10	33	2.05	....	.40	11.2	11	14	5	12	w.	L. G. McIntyre
Horner	Lewis	1,044	14	....	....	....	....	....	....	....	1.84	−1.92	.34	....	..	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	14	39.5	−2.9	73	20	11	1	41	2.82	−.44	.98	4.5	6	15	6	10	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	39	38.0	−4.4	72	20	10	1	37	2.10	−1.82	.52	10.8	10	16	2	13	w.	Allen Smith
Mannington	Marion	985	34	37.1	−5.2	68	†20	11	1	39	1.99	−2.04	.57	11.1	14	10	6	15	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	Bruce Davis
New Cumberland	Hancock	671	39	36.2	−3.2	67	20	10	10	36	1.83	−1.41	.66	4.0	11	10	5	16	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	37.8	−5.5	66	20	15	1	31	1.51	−2.28	.31	9.2	7	11	6	14	n.	Wm. Ankrom
Parkersburg	Wood	615	50	39.1	−3.7	73	20	17	10	31	1.36	−2.13	.43	11.6	10	10	7	14	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	37.1	−3.4	72	20	8	1	38	4.23	+.02	1.25	34.5	12	11	8	12	....	J. W. Swisher
Philippi	Barbour	1,550	40	....	....	....	....	....	....	....	2.81	−1.33	.75	7.6	15	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	34	36.0	−3.2	70	20	4	1	45	3.10	−2.81	.68	34.0	15	12	5	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	....	....	....	....	....	....	....	1.92	−1.70	.80	11.4	13	14	2	15	....	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	....	....	....	....	....	....	....	1.78	−2.14	.46	11.0	12	....	....	....	....	Wm. Hughes
Terra Alta[d]	Preston	2,559	36	28.6	....	61	22	5	1	36	3.80	−.64	1.00	25.0	6	10	4	13	w.	Ernest Naedele
Thomas	Tucker	2,950	8	....	....	....	....	....	....	....	3.81	....	.70	27.5	13	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	14	38.9	−3.6	71	20	13	1	37	2.69	−1.00	.80	10.0	9	11	11	9	w.	J. C. Campbell
Vandalia	Lewis	1,120	14	....	....	....	....	....	....	....	2.04	−1.16	.78	....	8	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	30	35.2	−4.6	69	20	10	10	39	1.71	−1.48	.36	3.5	8	13	4	14	w.	George P. Pfister
West Milford	Harrison	979	12	....	....	....	....	....	....	....	2.22	−1.32	.45	9.0	10	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	41.1	−2.7	74	20	14	1	37	3.13	−1.15	.98	14.9	12	2	20	9	....	A. Henry
Wheeling (Dam 12)	Ohio	659	50	37.3	−3.2	69	20	14	10	33	1.44	−1.84	.34	5.7	9	10	5	16	w.	Lockmaster
Woodlands	Marshall	637	10	....	....	....	....	....	....	....	1.40	−2.49	.34	7.0	10	....	....	....	....	R. W. Rist
Division averages	and extremes	....	....	**37.5**	**−4.3**	**75**	**20**	**−3**	**1**	**45**	**2.42**	**−1.65**	**1.27**	**13.5**	**11**	**12**	**7**	**12**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	....	....	....	....	....	....	....	1.17	−2.64	.33	8.0	7	....	....	....	....	H. S. Sutton
Bancroft	Putnam	574	33	42.0	−1.8	77	20	16	1	40	2.38	−1.62	.71	....	7	12	3	16	w.	Charles N. Long
Beckley	Raleigh	2,440	34	37.9	−4.8	69	20	5	1	38	2.25	−1.52	.45	4.0	16	8	14	9	....	L. A. Mauck
Bluefield [d]	Mercer	2,558	42	39.8	−4.8	67	20	9	1	40	1.50	−1.62	.40	....	9	11	6	10	....	Norfolk & Western Ry.
Charleston	Kanawha	600	34	41.8	−5.6	78	20	18	1	44	1.85	−2.65	1.16	T.	5	11	3	17	....	S. E. Damron
Clay	Clay	706	21	....	....	....	....	....	....	....	2.32	−1.83	.78	4.4	14	....	....	....	....	S. E. Woofter
Dam 19 O. R.	Wood	600	21	....	....	....	....	....	....	....	1.78	−1.76	.42	7.5	11	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	21	....	....	....	....	....	....	....	1.24	−2.47	.42	....	9	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	10	....	....	....	....	....	....	....	.58	−3.39	.18	....	7	....	....	....	....	Lockmaster
Dam 26 O. R.	Mason	564	21	....	....	....	....	....	....	....	1.29	−2.59	.45	....	7	....	....	....	....	U. S. Engineers Office
Gary	Mc Dowell	1,426	21	[a]39.6	−2.9	[a]73	20	[a]5	†1	[b]42	2.02	−2.14	.42	3.5	13	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	39.8	−4.3	75	20	12	1	40	1.14	−2.76	.32	2.0	11	12	4	15	....	Mrs. M. L. McClung
Huntington	Cabell	538	40	43.0	−2.0	76	20	20	†1	37	1.66	−2.56	.95	7.8	10	8	14	9	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	....	....	....	....	....	....	....	1.80	−1.40	.75	....	6	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	21	....	....	....	....	....	....	....	2.00	−2.64	.84	6.0	16	....	....	....	....	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	39.3	−2.8	68	20	14	1	30	1.25	−2.39	.34	....	11	13	9	9	....	J. K. Monroe
Logan	Logan	700	34	....	....	....	....	....	....	....	2.09	−2.63	1.07	1.0	10	....	....	....	....	Paul A. Simonds
London	Kanawha	623	1	40.6	....	80	20	16	2	45	1.78	....	.57	1.0	15	11	0	20	n.	Lockmaster
Madison	Boone	675	16	[f]40.0	−2.7	[f]72	7	[f]15	1	[f]39	1.11	−3.07	.86	....	3	10	1	20	....	C. B. Whitlock
Marlinton	Pocahontas	2,185	37	36.6	−1.3	65	†20	6	1	42	1.35	−3.19	.60	....	9	14	8	9	s.	M. B. Bruce
Point Pleasant	Mason	595	44	41.8	−3.4	70	†20	18	†1	38	1.79	−2.30	.74	8.0	14	13	9	9	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	36.2	....	69	20	0	1	43	2.35	....	.53	9.0	17	15	0	16	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	40.7	−2.6	76	20	11	16	40	1.52	−2.37	.55	5.0	8	12	4	15	nw.	Lockmaster
Richwood	Nicholas	2,193	7	38.2	....	70	23	3	1	43	2.12	....	.55	17.0	16	15	7	9	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	39.6	−4.3	78	20	18	†1	47	1.55	−2.40	.47	5.5	11	13	0	18	....	M. Frazier
Ryan	Roane	700	34	39.0	−3.8	75	20	12	1	43	2.09	−2.27	.83	10.4	10	17	5	9	....	Wm E. Ryan
Spencer	Roane	789	33	39.2	−3.7	72	20	14	1	37	2.72	−1.35	.75	8.0	9	9	11	11	....	A. M. McKown
Summersville	Nicholas	1,894	4	....	....	....	....	....	....	....	1.89	....	.52	....	..	....	....	....	....	Mrs. Ella E. Taylor
Sutton	Braxton	850	31	40.4	−3.8	75	†20	12	1	37	1.93	−2.41	.50	11.0	9	18	0	13	....	C. B. Eakle
Union [d]	Monroe	2,250	33	38.0	−5.4	67	22	−1	1	46	1.45	−2.10	.50	....	9	15	0	12	....	C. B. King
Wayne	Wayne	598	10	....	....	....	....	....	....	....	1.72	−2.88	.87	....	7	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	38.0	−4.6	71	20	12	26	43	1.10	−2.47	.35	....	4	20	2	9	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	41.6	−5.1	76	20	16	†1	38	1.92	−2.62	.97	1.5	9	12	13	6	se.	J. E. Dotson
Division averages	and extremes	....	....	**39.7**	**−3.9**	**80**	**20**	**−1**	**1**	**47**	**1.72**	**−2.41**	**1.16**	**6.0**	**10**	**13**	**5**	**13**	**nw.**	
State averages and	extremes	....	....	**38.5**	**−3.9**	**80**	**20**	**−3**	**1**	**47**	**2.05**	**−1.88**	**1.27**	**11.0**	**10**	**13**	**6**	**12**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for March 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac									.06	.12		.25	.15	.70		.25	1.24				.45				.30		T.					3.52
Brandywine	do				T.				T.			.10	T.	.10	.50	.15	T.									T		T.					0.85
Circleville ||||	do					T.				T.	.22	.23	T.	.08	.24	.09	.17	.19				T.				.24	.18	.20	T.				1.84
Harpers Ferry ||||	do											.07		.01	.17	.53	.11					.46				.03	.03						1.41
Kearneysville	do										.09			.02	.37	.30			T.		.24						.09						1.11
Martinsburg ||||	do					T.				T.		.12			.15	.72	.32	T.		T.	.10	.30				.08	T.						1.79
McNeill	do								T.	T.	T.	.15		.10	.50	.12	T.	T.	T.		.50	.25				.20	T.	T.	T.				1.82
Piedmont	do								T.	T.		.22		.01	.99	T.					.26					.25							1.73
Romney	do									T.	T.	.20		.05	.05	.20	T.				.25	.60				.20	T.						1.55
Stony River Dam ||||	do									.04	.32	.24		.04	.70	.16						.42				.22							2.14
Upper Tract	do											.16		T.	.65	.08					.24	.30											1.43
Wardensville ||||	do									T.		.05		.03		.76	.01	T.			.04	.23				.06							1.18
Northern Division																																	
Aberdeen	Monongahela					.38			.01	.04	.06	.09		.21	1.00	.18	.02	T.	.09		.05	.02				.71	T.	T.	T.				2.86
Alma (near)	Ohio				.02	.12				.02	.07			.25	.52	.09			.06		.12	.02				.18							1.47
Alpena	Monongahela				T.	.53			.12	.30	.22	.30		.08	.48	.56	.22	.08	T.		.12	.62				.36	.08	T.					4.07
Benson	do						.31			.08	.05	.10		.24	.94	.10	.05	.08			.04	.05				.28							2.32
Bens Run	Ohio				.10	.15					.10			.20	.32				.19		.16	.01				.31		T.					1.54
Brownsville	Monongahela					.36				.06	.05	.12		.12	.86	.13			.80		.50					.49							3.49
Buckhannon	do					.53			T.		.15	.20		.25	.85	.10	T.		.20		T.					.44	T.	T.					2.72
Cairo	Litl.Kanawha					.29										1.27					.40												1.96
Clarksburg ||||	Monongahela					.32				.01	.03	.10		.16	.58	.53		T.		.08	.02	.13				.26							2.22
Crawford	do				T.	.39			.03	.02	.10	.11		.15	1.05	.08	.02		.09		.03					.45	T.		T.				2.52
Creston ||||	Litl.Kanawha				.44				T.	T.		.19		.01	.59	.30	.02	T.		.10	.09		.16		.32	T.	T.	T.	T.				2.22
Dam 10, Mon. R. ||||	Monongahela					.15					.02	.03		.15	.25	.35		.05		.02	.05	.48				.19	.06						1.80
Dam 13, O. R. ||||	Ohio					.23								.09	.40	.29	.02	.02		.10	.13	.40					.03						1.71
Dam 15, Mon. R ||||	Monongahela					.15					.04	.05		.11	.40	.56	T.	.02		.04	.05	.60				.21	.05	T.	T.				2.28
Davis ||||	do					.31				.05	.31	.20		.11	.51	.11	.21	.31	.10		T.		.81		.19	.30	.21	.16	.09				3.98
Elizabeth (D'm 3 LK)	Litl.Kanawha				.32				T.		.20	.14		.40	.12				T.	.10	.39				.35	.06							2.08
Elkins***	Monongahela				.30	.06			.22	.15	.28			.50	.77	.11	.10	T.	.07		.40	.07			.12	.32	.01	.03	T.				3.51
Fairmont ||||	do				.25			.04		.04	.08		.16	.48	.48	T.	.06		.09	.04	.58				.22	.03	T.	T.					2.55
Glenville ||||	Litl.Kanawha					.47				T.	.04	.27		.02	.43	.10	T.	T.	T.	.07	.10					.68	.06		.04				2.28
Grafton	Monongahela					.24			T.	T.	.06	.10		.19	.84	.20	T.		.10		.03	.10				.43		T.	T.				2.29
Hackers Creek	do									T.		.39		.08	1.00	.02	.01		.15		.23					.50							2.38
Hastings	Ohio									.02	.30			.25	.40	.10	.14	.01	.10	T	.28	.05				.40							2.05
Horner	Monongahela					.34									.25	.30		.20				.25		.20		.30							1.84
Ireland	do								.07	.09	.12	.26	.33	.31	.82	.20	.04		.12														2.36
Jackson's Mill	do										.35	.10		.32	.13						.10					.90						.10	2.00
Jane Lew	do					.33						.20		.20	.98				.15							.96							2.82
Lost Creek	do					.26			.02	.07	.04	.16		.18	.52	T.	T.	T.	.06		.30					.49	T.	T.	T.				2.10
Mannington	do				.01	.19				.03	.12	.01		.20	.57	.14	.01	.03	.07		.35	.13				.13	T.		T.				1.99
Morgantown	do																																
New Cumberland	Ohio				.12	.11			T.	.02	.01				.12	.18	T.		.10		.66	.18			.08	.25	T.						1.83
New Martinsville	do					.28					.18			.31	.26				.18		.10					.20							1.51
Parkersburg***	do				.23				T.	.03	.12			.41	.29	.02	.02		.06		.13	T.			.05	T.	T.	T.					1.36
Parsons	Monongahela					.15				.16	.08	1.25		.08	.50	.04	1.00	.22		.12		.13				.50	T.						4.23
Parsons No. 2	do					.32			.07	.12	.05	.11		.24	.75	.10	.15	.02	.11		.21	.22				.17	T.	T.	T.				2.64
Philippi ||||	do					.34				.06	.08	.11		.09	.75	.36	.07	.06		.05	.05	.12				.57	.03		.07				2.81
Pickens	do				.15	.68			.14	.25	.20	.10		.10	.16	.18	.20				.10	.19				.29	.20	T	.16				3.10
Roanoke	do					.35				.02	.04	.05		.15	.80	.06	T		.08		.03	.02				.30	.01	.01					1.92
Rockford	do					.34				T.	.08	.12		.20	.80	.08	.02		.10		.02	.06				.55	T.	T.					2.37
Saint Marys ||||	Ohio					.27				.03	.01	.16		.23	.46	.25			.02	.06	.04	.14				.11	T.						1.78
Terra Alta	Monongahela					T.			T.		.50			T.		1.00	.30	.40	T.				.90				T.	.70	T.				3.80
Thomas ||||	do					.42					.30	.08		.14	.40	.68	.20	.30		.08			.70			.38		.08	.05				3.81
Valley Chapel	do					.42						.17		.20	.80			.15	.13		.16	.06				.60							2.69
Vandalia	do					.43					.18			03	.22			.78		.09		.09				.22							2.04
Wellsburg	Ohio				T.	.32				T.	T.			T.	.36	.12	T.		.14		.31	.21			.06	.19	T.	T.					1.71
West Milford	Monongahela					.45			.05	.10	.12			.25	.30	.20				.20	.20					.35							2.22
Weston ||||	do					.46				.06	.02	.20	T.	.06	.65	.45	T.	.05		.15	T.					.98	.03	T.	.02				3.13
Wheeling (Dam 12) ||||	Ohio					.22					.02	T.		.03	.18	.19	T.	T.		.05	.10	.31				.34	T.	T.					1.44
Woodlands ||||	do					.22				T.		.02		.14	.25	.15	.01			.09	.08	.34				.10	T.		T.				1.40
Southern Division																																	
Arbovale ||||	Gr. Kanawha					.04			.09	T.	.30		T.	T.	.20	T.	.18		T		.33				T.	.03	T.	T.	T.				1.17
Bancroft	do					.30						.07			.40	.54				.16		.20				.71							2.38
Beckley	do				.06	.34			.14	.04	.02	T.	.04	.34	.45	.11	.10		.08		.07	.06			.12	.20	T.		.08				2.25
Bluefield	do					.34			.20	.05				.13		.40			.06		.02				.12	.18							1.50
Camden-on-Gauley ||||	Gauley					.52			.03	.04	.06	.08			.48	35	.10	.04	.06			.02				.09	.01	T.					1.88
Charleston	Gr. Kanawha				.28			.01		.10	T.			T.	1.16	T.									.30	T.		T.					1.85
Charleston No. 2	do					.27			.01			.10		T.	1.00	.26	.05		T.	.02		.01				.33	T.	.01	T.				2.06
Clay ||||	do					.44				.03	.02	.10		.06	.72	.24	.12	T.	.07	.11		.04				.33	.02	.02	T.				2.32
Dam 6 G. K. ||||	do					.27				.01		.06			.53	.45										.16							1.48
Dam 19 O. R. ||||	Ohio					.20		.35	T.	T.	T.	.09		.22	.42	.16	T.	T.	T.	.05	.04	.10			T.	.14	.01	T.	T.				1.78
Dam 20 O. R. ||||	do					.24			T.	T.	T.	.12		.10	.42	.14		T.	T.	.04	.02	.14				.02	T.						1.24
Dam 25 O. R. ||||	do					.18								.10		.10				.02	.02	.05				.11							.58
Dam 26 O. R. ||||	do					.21								.06	.40	.10				.02		.05				.45							1.29
Gary ||||	Big Sandy		.26			.24			.09	.01				.01	.19	.33	.08		.03			.27				.42	T.		.08			.01	2.02
Hinton ||||	do	.03				.06			.12	.05	T.		.01	T.	.14	.32	.07	T.		T.		.06				.26	T.	T.	T.	.02			1.14
Huntington	Ohio				.09	.10			T.	.02	.04			.24	.71	.10	T.		.02		.01				T.	.33	T.						1.66
Kanawha Falls ||||	Gr. Kanawha					.15			.50	.05		T.			.75	.30						.05							T.				1.80
Kayford ||||	do	T.				.40			.11	.06	.06	.03		.03	.84	.28	.06	.02	T.	.03	T.	.01				.04	.01	.01	.01				2.00
Lewisburg	do					.09			.21	.03	.01		.04	.19	.34	.11	.02								.04		T.		.17				1.25
Logan ||||	Guyandotte	.02				.30			T.		.01	T.		.24	1.07	.21	.06	T.		T.	T.	.07				.09	T.	T.	T.	.02			2.09
London	Gr. Kanawha	.07				.37			.05	.02	.02	.02	T.	T.	.48	.57	.06			.02		.02	.02			.02	.03	T.	T.	.01			1.78
Madison	do			.24						T.		.01		.86																			1.11
Marlinton	do				T.	.18			.18	T.	T.	.09	.04	.11	.60	T.			.07		.03				T.	.05	T.			T.			1.35
Point Pleasant ||||	Ohio					.21			T	.01	.02	.11		.12	.74	.17			.03	.03	.01	.05				.27	.01		.01				1.79
Rainelle	Meadow Creek				.03	.53	T		.09	.21	.09		T.	.20	.48	.12	.10	.05	.05	T.	.05	.07			.03	.13	.09		.03				2.35
Ravenswood (Dam 22	Ohio ||||					.30						.10		.08	.55	.08		T.	.07			.05				.29							1.52
Richwood	Gr. Kanawha				.03	.55			.13	.07	.08	.03		.08	.47	.12	.09		.11		.07	.08				.10	.10		.01				2.12
Robertsburg ||||	do					.16			.01	T.		.05		.05	.47	.16	T.		.04	.05		.26				.28	.02	T.	T.				1.55
Ryan	do				.16	.18			T.	.03	.14			.22	.83	.15			.05		.03					.30							2.09
Sharples ||||	Coal River					T.			T.		T				1.98	.13	T.											T.		T.			2.11
Spencer ||||	Gr. Kanawha					.37			T.		T.	.30		.20	.16	.16			.75	T.	.08	.25				.45	T.						2.72
Summersville ||||	do				.52				.04	.10		.07			.45	.21	.20	.02		.03		.13					.06		.06				1.89
Sutton	do					.50			T.	T.	.16			.20	.10	.24	T.		.30		.10					.25		.08					1.93
Thornwood ||||	do										.12	.52				.20		.52	.12								.11						1.59
Union	do	.30				.04			.13	.04				.08		.50		.06							.15	.15							1.45
Wayne ||||	Big Sandy					.33			.02						.87	.28	.01					.02				.19							1.72
White Sulpr. Spgs. ||||	Gr. Kanawha				.25			.25						.25											.35								1.10
Williamson ||||	Big Sandy	T.				.26			.07		T.			.11	.86	.37	.04		.01	.01						.19		T.	T.	T.			1.92

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for March 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	35	40	50	50	50	55	58	55	40	30	33	45	40	32	32	28	33	40	45	62	55	48	52	61	58	45	23	34	43	51	50	44.3
	Minimum	3	22	30	25	30	32	33	33	17	10	20	13	28	25	25	17	20	31	32	30	31	32	28	26	40	18	14	18	20	18	21	23.9
Brandywine	Maximum	40	45	55	60	55	60	58	62	55	45	42	40	38	37	34	31	43	47	60	66	64	56	57	60	64	62	50	44	68	54	60	52.0
	Miuimum	7	18	24	27	35	34	25	40	15	22	23	24	22	27	24	20	25	25	30	36	40	24	26	32	45	22	10	24	22	18	24	25.5
Kearneysville	Maximum	47	49	52	66	59	64	54	56	52	37	33	46	41	39	33	35	43	46	55	57	49	57	59	58	64	55	45	45	53	54	57	50.3
	Minimum	16	28	39	27	38	32	30	36	28	17	24	23	28	28	25	25	28	32	36	36	44	35	36	29	39	26	22	26	33	27	33	29.9
Martinsburg*	Maximum	48	50	54	68	52	50	58	58	45	40	40	45	42	34	36	37	47	48	52	58	48	60	60	61	66	41	41	41	45	58	..	49.4
	Miuimum	17	17	30	26	25	35	32	35	35	35	20	24	25	29	25	26	25	32	34	37	35	37	38	35	35	26	24	28	30	28	34	29.5
McNeill	Maximum	45	50	63	66	58	65	60	63	49	34	41	50	46	35	32	35	45	50	58	65	53	59	59	66	64	55	45	44	52	61	60	52.5
	Minimuui	5	20	25	21	38	28	25	37	25	16	23	20	22	28	23	23	26	23	30	32	40	29	25	26	39	15	15	14	26	18	25	24.6
Piedmont	Maximum	41	45	56	61	48	60	58	56	38	31	37	47	40	35	33	31	40	43	53	56	57	53	55	60	61	46	34	38	48	56	56	47.5
	Minimum	15	29	31	29	36	35	31	38	26	16	24	22	30	25	26	24	26	30	38	37	38	35	33	29	46	25	20	26	28	28	28	29.2
Romney	Maximum	52	50	50	58	60	62	62	62	51	29	37	43	44	36	32	32	41	47	53	52	51	60	54	65	63	52	40	40	48	63	55	49.8
	Minimum	15	32	30	27	39	39	30	37	26	18	24	24	28	28	25	25	29	32	39	31	41	40	32	29	41	26	27	39	30	26	30	30.3
Upper Tract	Maximum	44	48	58	60	56	60	55	61	51	..	48	48	47	41	35	32	42	48	56	68	62	60	60	61	..	..	45	41	45	59	52	51.5
	Miuimum	11	25	34	28	36	37	26	42	24	.	20	24	25	26	22	20	20	27	35	33	38	33	25	26	..	..	12	23	25	20	26	26.5
Wardensville	Maximum	44	47	56	64	52	63	55	61	45	35	40	45	..	36	31	32	41	50	55	65	57	55	58	59	63	48	41	40	50	56	56	50.0
	Minimum	11	27	34	25	29	31	30	39	32	18	23	24	26	..	25	25	27	25	30	33	41	42	29	29	39	26	21	26	29	22	32	28.3
Northern Division																																	
Alpena	Maximum	34	39	50	53	43	54	63	57	39	26	34	45	38	32	30	21	32	37	41	66	54	50	50	58	55	43	24	35	42	51	46	43.3
	Minimum	−3	14	30	24	29	31	25	37	15	9	22	14	28	25	20	14	17	17	30	31	30	31	25	35	20	15	11	16	18	16	33	21.9
Bens Run	Maximum	42	48	58	58	50	64	62	54	41	27	39	52	44	33	32	31	40	42	56	69	57	57	59	66	63	35	33	47	53	58	58	49.3
	Minimum	18	30	27	30	37	34	34	40	24	17	18	26	30	27	28	21	28	33	34	41	38	30	37	38	33	25	22	25	27	27	32	29.4
Buckhannon	Maximum	38	42	50	50	52	58	62	58	43	27	33	50	45	35	34	32	36	40	53	70	65	52	53	70	55	40	30	41	46	53	54	47.3
	Minimum	12	26	25	28	35	35	29	40	23	14	21	23	28	28	25	20	24	28	31	38	35	30	30	40	33	23	18	23	23	27	28	27.2
Cairo	Maximum	44	41	54	64	61	57	66	69	54	..	..	..	..	36	53	34	40	43	53	72	71	55	58	68	69	56	31	42	48	53	57	53.7
	Minimum	10	8	21	25	33	30	30	28	26	..	..	..	..	24	13	20	27	29	24	37	39	27	29	30	40	24	14	22	13	20	30	24.9
Clarksburg*	Maximum	39	45	55	58	48	61	61	53	29	28	35	50	34	32	30	30	39	41	54	69	45	53	55	69	59	28	30	43	49	53	55	46.1
	Minimum	12	15	22	19	32	35	30	36	26	15	16	21	22	28	27	22	24	29	28	36	37	30	32	34	40	23	20	21	20	21	28	25.8
Creston	Maximum	42	49	59	60	57	66	66	64	60	40	39	50	48	38	33	30	41	45	59	72	67	60	59	69	69	60	55	55	51	58	55	54.1
	Minimum	11	29	21	24	38	30	28	40	25	19	21	21	20	25	25	20	30	27	25	37	39	27	27	33	40	24	12	25	19	30	25	26.4
Elkins	Maximum	36	42	54	57	45	58	64	51	33	26	33	46	34	35	28	24	36	41	52	70	47	51	53	63	58	26	26	38	44	53	51	44.4
	Minimum	8	25	30	27	34	37	29	33	16	14	22	22	28	28	22	19	24	34	35	36	35	34	29	30	26	18	16	21	22	21	28	25.9
Fairmont	Maximum	44	49	58	60	50	62	64	54	51	28	39	55	37	34	31	30	43	41	56	66	46	57	58	69	58	54	30	43	51	54	57	49.3
	Minimum	15	17	27	29	36	36	31	35	26	15	17	23	29	28	28	23	24	29	33	38	37	31	35	35	41	24	21	23	24	24	29	27.8
Glenville	Maximum	42	49	58	51	50	68	70	68	43	34	40	54	52	35	34	32	42	44	56	75	72	69	60	68	67	46	31	45	51	57	66	52.5
	Minimum	13	20	23	26	38	37	29	42	25	18	24	24	32	29	27	22	27	28	26	38	38	28	29	32	44	24	16	24	21	22	30	27.6
Grafton	Maximum	43	48	58	61	53	64	67	61	41	27	38	50	48	36	35	30	39	39	54	68	60	55	57	70	66	52	29	44	50	57	57	50.2
	Minimum	12	29	25	27	36	36	28	40	24	16	22	22	29	29	27	22	26	30	33	38	37	30	32	33	45	24	20	23	22	22	27	27.9
Lost Creek	Maximum	41	46	57	59	55	63	62	61	43	27	35	51	50	32	32	29	37	40	55	72	70	56	55	69	57	45	29	44	50	54	55	49.4
	Minimum	10	29	21	28	35	35	29	39	23	14	21	20	28	27	26	21	25	28	31	35	37	29	30	32	45	23	17	21	19	19	25	26.5
Mannington	Maximum	39	45	53	60	48	60	59	55	41	26	36	50	45	34	32	31	39	41	53	68	62	52	54	68	64	37	32	42	47	51	54	47.7
	Minimum	11	29	23	25	36	35	27	36	23	14	16	22	29	27	27	23	27	30	32	35	37	26	33	29	37	23	21	21	19	20	29	26.5
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	.	..	..	..	......
New Cumberland	Maximum	39	46	58	56	45	50	53	52	41	25	35	48	43	38	32	32	44	44	54	67	65	60	59	60	50	46	44	41	46	50	53	47.6
	Minimum	14	27	22	33	33	31	25	30	19	10	12	19	28	23	24	22	25	30	32	31	33	36	39	29	26	18	19	19	25	22	25	24.9
New Martinsville	Maximum	43	42	56	59	49	61	60	57	45	26	40	51	49	35	32	30	43	42	56	66	65	53	55	57	55	35	30	42	42	50	55	47.8
	Minimum	15	19	25	30	37	35	31	33	24	16	16	24	22	26	27	23	27	34	34	42	38	28	34	35	45	24	21	25	23	25	28	27.9
Parkersburg	Maximum	43	50	59	58	52	63	64	58	36	26	39	51	36	33	30	31	43	45	58	73	50	56	56	68	59	28	31	42	49	52	55	48.2
	Minimum	19	31	29	38	36	33	36	36	20	17	21	27	30	26	27	22	29	35	36	45	37	33	36	41	28	22	20	26	28	28	37	30.0
Parsons	Maximum	38	45	59	60	45	60	68	51	31	32	34	52	40	34	32	26	38	41	54	72	61	55	55	66	59	51	40	41	48	56	55	48.4
	Minimum	8	16	24	36	35	37	30	18	20	15	23	21	30	29	26	21	21	29	35	35	36	35	19	30	30	20	18	22	24	21	37	25.8
Pickens	Maximum	36	40	57	55	50	57	65	57	51	46	41	48	44	41	35	20	35	44	54	70	58	59	..	65	65	60	45	36	44	58	54	49.7
	Minimum	4	20	22	30	30	33	29	29	15	9	19	13	22	22	20	15	20	23	32	34	30	26	..	40	20	20	6	15	18	24	25	22.2
Terra Alta	Maximum	25	30	34	45	50	32	..	54	45	42	21	21	40	..	30	22	21	35	32	41	..	61	43	40	59	51	17	..	29	33	41	36.8
	Minimum	5	12	21	22	29	29	..	29	22	9	9	12	16	..	21	11	19	20	31	35	..	30	30	27	35	15	13	..	14	11	24	20.4
Wellsburg	Maximum	40	47	51	57	46	54	64	55	43	25	35	44	44	35	33	30	40	41	44	69	64	48	55	55	47	32	30	38	44	44	53	45.4
	Minimum	12	29	21	28	35	34	25	30	20	10	12	17	28	16	26	22	28	33	34	34	36	25	30	27	32	23	22	22	22	19	22	25.0
Weston	Maximum	40	48	60	67	65	64	66	63	52	30	37	52	50	35	35	34	40	42	58	74	72	58	57	70	68	60	32	44	50	54	56	52.7
	Minimum	14	29	25	30	37	35	32	43	25	18	22	26	30	28	33	21	27	29	36	40	38	31	32	35	49	24	19	23	30	24	30	29.5
Wheeling (Dam 12)	Maximum	41	47	55	57	51	56	59	54	51	26	36	50	38	32	33	32	42	42	54	69	48	52	59	59	54	46	33	41	48	51	59	47.7
	Minimum	16	20	24	27	36	34	30	31	26	14	17	19	25	26	27	23	24	29	36	37	35	30	32	34	38	23	22	23	26	25	26	26.9
Southern Division																																	
Beckley	Maximum	37	43	56	58	49	60	66	63	43	34	40	53	44	36	33	27	43	41	58	69	63	58	62	61	58	50	44	39	47	55	52	49.7
	Minimum	5	21	25	28	34	32	36	41	23	15	25	25	27	29	21	17	20	23	35	41	33	23	24	38	46	20	11	20	21	20	31	26.1
Bluefield	Maximum	33	39	53	57	50	58	..	65	48	43	52	55	51	..	37	26	44	42	59	67	..	66	64	60	59	52	35	..	48	55	53	50.8
	Minimum	9	21	26	34	35	34	..	37	25	17	34	30	33	..	22	18	19	34	36	48	..	26	30	44	48	22	13	..	20	26	33	28.7
Charleston	Maximum	44	50	61	62	53	67	68	58	51	32	40	55	38	38	33	34	46	49	61	78	62	62	63	70	62	59	46	58	50	57	58	53.7
	Minimum	18	19	29	29	33	33	34	34	34	23	24	27	34	30	29	26	26	29	33	34	40	31	31	33	42	28	21	32	25	29	33	29.8
Gary*	Maximum	38	47	59	61	53	63	70	56	47	48	48	57	44	43	43	31	47	46	56	73	44	..	66	66	62	46	40	41	51	59	56	52.0
	Minimum	5	5	24	25	29	29	30	37	31	19	20	35	32	38	29	24	26	26	34	36	40	27	..	28	40	29	19	21	22	25	29	27.1
Hinton*	Maximum	44	51	62	61	55	67	71	58	37	39	50	60	40	38	30	33	50	49	66	75	44	64	67	63	63	39	39	46	54	60	57	52.6
	Minimum	12	15	23	24	29	30	31	34	32	21	21	32	30	36	29	23	24	26	32	36	41	29	28	29	39	27	18	19	25	20	25	27.1
Huntington	Maximum	42	52	63	59	55	69	68	63	49	30	44	56	51	34	36	37	46	50	63	76	63	62	63	69	67	46	37	49	55	56	60	53.9
	Minimum	20	32	28	32	39	32	37	46	28	23	26	31	34	24	28	25	28	35	29	46	41	32	31	41	52	27	20	31	28	29	38	32.0
Lewisburg	Maximum	36	42	50	56	48	60	64	54	48	33	47	53	48	38	34	28	41	43	55	68	64	56	59	59	60	50	37	39	47	54	51	49.1
	Minimum	14	25	30	28	37	35	38	42	24	19	28	29	31	32	24	19	23	31	38	41	38	29	29	37	48	22	15	22	25	25	38	29.5
London*	Maximum	43	52	60	62	54	69	71	59	50	33	40	55	39	36	35	32	46	48	62	80	49	62	63	71	61	47	36	45	52	57	58	52.5
	Minimum	17	16	27	27	30	32	31	39	35	25	24	28	32	34	30	28	27	29	34	35	43	31	30	30	35	30	19	17	25	23	26	28.7
Madison	Maximum	39	51	63	62	55	..	72	57	35	34	45	57	..	39	31	..	48	49	..	..	60	61	66	70	61	32	..	47	54	56	59	52.1
	Minimum	15	24	28	38	30	..	33	29	21	26	26	30	..	27	25	..	28	34	..	..	28	28	34	45	26	18	..	21	25	30	25	27.8
Point Pleasant	Maximum	45	51	61	60	54	68	68	66	49	30	42	55	52	34	34	36	49	50	61	70	66	60	64	70	68	40	34	45	55	57	60	53.4
	Minimum	18	30	27	30	38	30	36	45	28	19	23	25	30	27	28	23	29	32	28	45	40	31	31	40	40	26	18	27	26	28	36	30.1
Rainelle	Maximum	36	44	55	55	48	60	64	63	44	29	43	52	47	36	34	25	42	42	56	69	66	64	69	59	57	49	31	38	47	53	52	49.0
	Minimum	0	22	21	20	34	26	29	41	22	14	23	24	24	31	21	17	20	22	22	34	33	21	21	30	36	20	11	20	22	18	27	23.4
Ravenswood	Maximum	44	50	59	66	52	67	68	68	51	34	41	54	52	38	37	36	45	48	58	76	65	58	58	66	70	48	35	47	51	55	58	53.5
	Miuimum	15	30	19	29	38	31	33	43	24	17	21	23	29	26	25	11	28	31	28	44	39	28	29	40	41	24	16	24	21	24	35	27.9
Richwood	Maximum	38	43	54	56	47	60	66	64	46	30	38	49	50	40	32	32	43	42	54	68	68	66	70	62	62	51	29	38	45	53	52	49.9
	Minimum	3	23	24	26	34	34	33	43	22	16	24	25	28	31	22	18	22	26	34	38	37	35	27	34	41	20	11	21	22	21	28	26.5
Robertsburg*	Maximum	42	51	63	61	53	69	72	58	32	30	45	54	36	34	31	36	47	50	62	78	54	58	64	71	60	33	34	46	53	58	59	51.4
	Minimum	18	18	25	27	31	29	31	40	28	21	23	25	31	28	27	24	24	30	28	31	40	31	30	32	42	26	19	22	25	27	30	27.8
Ryan	Maximum	45	50	60	60	50	70	70	55	42	30	40	55	40	31	30	32	42	45	59	75	60	55	65	68	65	35	31	45	53	65	60	51.1
	Minimum	12	29	21	24	37	27	32	42	25	19	20	25	31	29	25	15	27	30	24	40	37	27	27	37	35	25	13	27	18	22	32	26.9
Spencer*	Maximum	43	50	60	60	53	68	68	55	32	30	39	53	35	31	32	33	43	45	59	72	49	56	60	68	60	36	31	46	51	56	58	49.4
	Minimum	14	20	23	29	40	34	36	47	30	19	25	26	28	29	27	22	29	23	29	40	40	30	30	40	50	26	16	18	22	24	35	29.1
Sutton	Maximum	43	49	60	60	59	63	67	67	48	30	38	53	53	34	33	30	41	43	59	75	75	57	59	67	67	52	30	45	49	55	55	52.1
	Minimum	12	30	23	26	39	34	31	46	27	20	23	26	32	30	28	23	27	28	32	40	40	29	28	33	43	26	13	26	20	22	30	28.6
Union	Maximum	35	41	53	56	52	59	..	64	49	34	49	53	53	..	35	26	40	42	57	66	..	67	62	63	58	55	37	..	47	52	54	50.3
	Minimum	1	23	21	23	36	34	..	32	25	17	28	30	26	..	25	18	21	27	35	37	..	21	23	38	41	23	14	..	21	19	35	25.6
White Sulphur Spgs.	Maximum	43	45	52	48	49	64	66	60	34	39	52	47	40	34	34	28	48	44	58	71	45	58	60	68	67	34	42	39	64	58	57	49.9
	Minimum	25	21	20	25	28	37	41	29	18	25	28	25	32	28	20	20	22	30	34	40	21	22	27	35	25	12	22	24	21	32	20	26.1
Williamson*	Maximum	38	51	63	62	55	67	70	56	49	42	46	59	40	36	32	34	49	49	64	76	50	66	66	68	62	57	39	46	54	56	59	53.6
	Miuimum	16	16	28	28	31	32	33	36	34	21	23	30	35	34	29	27	26	27	37	38	41	30	31	33	41	29	22	23	25	26	31	29.5

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 4-30-37—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

H. C. DeMENT

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., APRIL 1937 No. 4

GENERAL SUMMARY

April was about normal in temperature and considerably wetter than usual. The first half of the month was cold, with the minimum temperatures down to or below the freezing point on nearly every night. The highest and lowest temperatures were well within previous April records. Snowfall was unimportant. Farm work was much retarded by frequent rains, which were heavy over the northeastern part of the State during the last week. At the close of the month pastures and meadows were in good condition.

TEMPERATURE

The average temperature for the northeastern panhandle division was 49.4°, or 0.°5 below normal; for the northern division, 50.8°, or 0.7° below normal; for the southern division, 53.0°, or practically normal; and for the State, 51.4°, or 0.3° below normal. The highest monthly mean temperature was 56.4° at Huntington and the lowest, 40.2° at Hopemont. The highest temperature was 91° at Romney on the 18th, and the lowest was 18° at Rainelle on the 1st, making the monthly range for the State 73°.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 5.84 inches, or 2.78 inches above normal; for the northern division, 4.32 inches, or 0.65 inch above normal; for the southern division, 3.16 inches, or 0.32 inch below normal; and for the State, 4.09 inches, or 0.57 inch above normal. The greatest monthly precipitation was 8.76 inches at Harpers Ferry and the least, 1.19 inches at Dam 19, Ohio River. The greatest amount in any 24 consecutive hours was 4.20 inches at Wardensville on the 25-26th. The average monthly snowfall, 0.2 inch was 1.7 inches less than normal. The average number of days with .01 inch or more of precipitation was 12.

RIVER

Heavy rains over the Allegheny and Monongahela watersheds on the 25-26th caused a moderate flood in the Ohio River. A crest stage of 45.9 feet was reached at Wheeling, on the 28th, 40 feet at Marietta, Ohio, and 39.2 feet at Parkersburg on the 29th. For the lower part of district, Dam 25 reported a crest of 45.7 feet, and Point Pleasant, 41.7 feet on the 30th.

HAIL

Light hail occurred in sections of the following counties on dates given: Cabell, Gilmer, and Kanawha on the 15th; Cabell, Brooke, and Lewis on the 27th.

Moderately heavy hail fell in Lewis and Roane counties on the 15th, and Berkeley county on the 25th. Little damage resulted.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 19th, (2); 27th, (1); 29th, (2).

Halos, lunar: 3d, (1); 21st, (1).

Sleet: 27th, (1).

Thunderstorms: 1st, (1); 13th, (2); 14th, (4); 15th, (10); 16th, (1); 17th, (1); 18th, (3); 19th, (3); 25th, (1).

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.94	30.50	12	29.41	21	9.0	30	sw.	1	75	53	60	50
Columbus, Ohio	29.95	30.48	12	29.41	21	11.3	37	s.	21	73	57	60	54
Elkins	30.00	30.51	12	29.55	21	8.3	34	w.	15	76	56	60	48
Parkersburg	29.99	30.53	12	29.46	21	7.9	26	nw.	18	76	49	54	49
Pittsburgh, Pa	29.95	30.43	12	29.51	21	13.3	34	w.	15	76	63	62	58
Wytheville, Va	29.98	30.44	12	29.55	9	8.2	29	s.	5	75	52	56	49

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	......	......	1.64	3.08	2.50	2.81	......	......	......	......	......
1892	50.6	87	17	3.16	4.31	4.83	4.28	......	7	......	......	......
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	......	9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06	......	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	......	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	......	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
Period	51.7	101	−4	3.06	3.67	3.48	3.52	1.8	11	11	8	11

Climatological Data for April 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panh	*andle Division*																			
Bayard	Grant	2,375	36	45.0	+1.3	79	17	20	†1	50	4.31	+0.47	1.57	1.0	9	11	4	15	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	49.2	−.7	90	18	19	17	57	4.00	+1.33	2.20	T.	5	20	....	10	n.	Elmer Keister
Circleville	Pendleton	....	5	....	....	....	....	....	....	....	5.78	....	2.45	.4	13	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	....	....	....	....	....	....	....	8.76	+5.51	3.65	.0	13	....	....	....	....	Eleanor White
Kearneysville	Jefferson	548	7	50.6	....	89	18	27	17	45	6.87	....	3.52	.0	10	12	7	11	n.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	^{a}52.2	+.6	^{a}90	18	30	13	^{a}50	7.34	+4.23	4.00	T.	10	17	7	6	se.	Dr. H. S. Gardner
McNeill	Hardy	900	41	49.5	−2.3	88	18	19	†1	53	5.99	+3.03	3.02	.0	9	10	8	12	w.	R. E. Saville
Piedmont	Mineral	1,053	24	48.6	−1.8	84	18	26	1	40	6.11	+3.10	2.23	.0	12	8	6	16	w.	C. A. Suter, Jr.
Romney	Hampshire	824	39	50.4	−1.3	91	18	26	1	51	6.63	+3.66	3.60	T.	13	8	12	10	....	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	....	....	....	....	....	....	....	4.64	+.89	1.90	1.0	13	3	9	18	w.	A. C. Becker
Upper Tract	Pendleton	1,230	38	^{a}49.0	−.4	^{a}85	18	^{a}21	17	^{a}50	3.70	+1.40	1.87	T.	4	17	1	12	....	Mrs. J. M. Mallow
Wardensville	Hardy	1,200	16	^{c}50.2	+.6	^{c}88	18	^{c}23	17	^{c}54	5.97	+3.46	4.20	T.	7	^{d}8	^{d}8	^{d}10	w.	Reymann Memorial Farm
Division averages	and extremes	....	....	**49.4**	**−.5**	**91**	**18**	**19**	**†1**	**57**	**5.84**	**+2.78**	**4.20**	**.2**	**10**	**11**	**7**	**12**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	....	....	....	....	....	....	....	4.82	+1.02	1.35	0.2	15	6	11	13	w.	L. Else Bond
Alma (near)	Tyler	800	10	....	....	....	....	....	....	....	3.26	−.11	.95	.0	13	11	4	15	....	D. N. Furbee
Alpena	Randolph	2,571	7	45.8	....	78	18	18	12	50	5.00	....	1.75	1.0	15	10	10	10	w.	Christian Hertig
Benson	Harrison	1,080	13	50.9	−1.7	82	†18	19	†1	48	3.95	+.74	.83	.0	13	10	11	9	....	R. D. Marts
Bens Run	Tyler	652	35	53.4	+.6	83	†23	28	1	44	2.85	−.71	.39	.0	12	19	8	3	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	....	....	....	....	....	....	....	4.08	+.72	1.02	.0	12	6	19	5	....	W. B. Worley
Buckhannon	Upshur	1,411	40	50.8	−.3	84	21	23	12	44	4.50	+.61	1.73	T.	9	15	5	10	....	H. A. Darnall
Cairo	Ritchie	680	36	52.6	−1.4	85	†18	22	†1	49	2.48	−.98	.60	.0	6	15	2	13	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	50.0	−1.2	82	†18	22	†1	50	4.16	+.79	1.69	.0	14	11	7	12	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	....	....	....	....	....	....	....	3.86	−.37	1.36	T.	13	7	14	9	sw.	George W. Blair
Creston	Wirt	640	35	54.2	+.8	85	23	21	17	52	2.78	−.88	.48	T.	15	12	3	15	....	J. L. Ledsome
Dam 10 Mon. R.	Marion	826	16	....	....	....	....	....	....	....	4.78	+1.31	1.84	T.	18	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	21	....	....	....	....	....	....	....	3.73	+.41	1.10	.0	16	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Marion	882	16	....	....	....	....	....	....	....	5.37	+2.08	1.77	.0	18	....	....	....	....	Lockmaster
Davis	Tucker	3,093	28	....	....	....	....	....	....	....	6.17	+2.50	2.00	2.2	12	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	25	....	....	....	....	....	....	....	2.44	−.73	.62	.0	10	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	36	48.7	−.1	81	21	23	1	51	4.65	+1.03	2.50	.0	16	6	8	16	nw.	U. S. Weather Bureau
Fairmont	Marion	883	31	51.4	−.4	84	18	26	†1	50	4.51	+1.24	1.58	T.	14	10	6	14	w.	J. C. Robinson
Glenville	Gilmer	738	43	53.8	−.1	86	†19	24	†1	48	4.48	+.72	.65	T.	14	12	5	13	....	Howard R. Brannon
Grafton	Taylor	1,000	44	51.9	+.4	84	21	22	12	49	4.71	+1.42	1.73	T.	12	8	14	8	....	L. W. Clayton
Hastings	Wetzel	809	2	56.0	....	88	23	25	12	54	4.37	....	1.03	.0	14	8	8	14	w.	L. G. McIntyre
Horner	Lewis	1,044	14	....	....	....	....	....	....	....	4.08	+.72	1.32	....	9	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	14	52.0	−.9	84	21	23	1	48	4.15	+.50	1.22	.0	9	14	8	8	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	39	50.8	+.2	83	†18	21	†1	49	4.64	+1.22	1.32	1.0	13	9	6	15	w.	Allen Smith
Mannington	Marion	985	34	50.0	−1.1	81	†18	20	12	45	5.23	+1.53	.81	.1	16	10	4	16	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	49.2	−2.5	82	17	26	12	42	6.07	+2.92	2.00	T.	10	13	9	8	sw.	Bruce Davis
New Cumberland	Hancock	671	39	49.9	+.7	77	†18	23	†1	44	5.93	+2.65	1.14	.2	19	6	8	16	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	51.8	−1.3	80	†21	25	12	46	3.87	+.37	1.00	.0	10	8	11	11	n.	Wm. Ankrom
Parkersburg	Wood	615	50	53.4	.0	85	23	29	12	44	2.19	−1.00	.48	.1	15	4	6	20	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	50.0	+.8	82	†18	23	1	47	4.32	+.56	1.62	T.	9	12	8	10	....	J. W. Swisher
Philippi	Barbour	1,550	40	....	....	....	....	....	....	....	4.49	+.77	1.80	T.	13	....	....	....	....	H. F. Brittinham
Pickens	Randolph	2,697	34	47.4	−.7	81	18	19	12	49	5.54	+.35	1.85	6.0	14	11	6	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	....	....	....	....	....	....	....	3.92	+.34	1.05	T.	10	10	3	17	....	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	....	....	....	....	....	....	....	2.24	....	.52	....	9	....	....	....	....	Wm. Hughes
Terra Alta^{d}	Preston	2,559	36	40.2	−6.6	72	19	21	†1	40	7.20	+3.10	2.00	T.	10	10	0	16	w.	Ernest Naedele
Thomas	Tucker	2,950	8	....	....	....	....	....	....	....	4.63	....	1.69	.0	14	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	14	53.0	−.1	83	†18	22	12	48	4.19	+.78	1.09	T.	12	11	10	9	nw.	J. C. Campbell
Vandalia	Lewis	1,120	14	....	....	....	....	....	....	....	4.13	+.43	1.36	....	9	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	30	48.8	−.8	81	18	20	12	41	4.89	+1.73	1.00	.0	14	10	8	12	w.	George P. Pfister
West Milford	Harrison	979	12	....	....	....	....	....	....	....	4.70	+.88	1.37	.0	11	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	53.6	+.8	86	21	25	12	47	4.82	+1.31	1.40	.0	13	6	16	8	....	A. Henry
Wheeling (Dam 12)	Ohio	659	50	50.4	−1.2	81	21	27	12	40	3.59	+.36	1.11	.0	16	5	3	22	sw.	Lockmaster
Woodlands	Marshall	637	10	....	....	....	....	....	....	....	4.02	+.52	.88	.0	13	6	1	23	sw.	R. W. Rist
Division averages	and extremes	....	....	**50.8**	**−.7**	**88**	**23**	**18**	**12**	**54**	**4.32**	**+.65**	**2.50**	**.3**	**13**	**10**	**8**	**12**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	....	....	....	....	....	....	....	3.18	−.04	2.10	1.0	11	10	7	13	w.	H. S. Sutton
Bancroft	Putnam	574	33	55.6	+2.1	89	23	27	†1	46	2.68	−.75	.62	.0	11	8	4	18	w.	Charles N. Long
Beckley	Raleigh	2,440	34	50.6	+.4	84	23	22	1	53	4.74	+1.26	.82	T.	17	8	9	13	....	L. A. Mauck
Bluefield^{d}	Mercer	2,558	42	51.2	−2.4	80	†19	26	12	45	2.75	−.36	.78	.0	10	10	4	12	....	Norfolk & Western Ry.
Charleston	Kanawha	600	34	55.8	−.5	87	†18	29	12	47	2.49	−1.38	.66	T.	11	12	8	9	....	S. E. Damron
Clay	Clay	706	21	....	....	....	....	....	....	....	3.06	−.38	.52	T.	17	....	....	....	....	S. E. Woofter
Dam 19 O. R.	Wood	600	21	....	....	....	....	....	....	....	1.98	−1.20	.43	....	11	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	21	....	....	....	....	....	....	....	2.18	−1.06	.48	....	12	....	....	....	....	Lockmaster
Dam 25 O. R.	Mason	565	10	....	....	....	....	....	....	....	2.69	−.47	.65	....	12	....	....	....	....	Lockmaster
Gary	Mc Dowell	1,426	21	52.0	−1.4	86	23	23	12	44	2.86	−.63	.81	T.	11	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	52.0	−1.2	90	18	26	1	59	2.84	−.36	.54	.0	13	14	5	11	....	Mrs. M. L. McClung
Hogsett	Mason	564	21	....	....	....	....	....	....	....	2.23	−1.04	.76	....	12	....	....	....	....	U. S. Engineers Office
Huntington	Cabell	538	40	56.4	+1.8	89	23	29	12	44	2.71	−.80	.58	T.	13	4	19	7	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	....	....	....	....	....	....	....	2.73	−.99	.95	....	9	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	21	....	....	....	....	....	....	....	4.99	+.93	.97	T.	14	....	....	....	....	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	51.6	+1.1	82	18	27	17	45	3.71	+.39	1.61	T.	16	8	10	12	....	J. K. Monroe
Logan	Logan	700	34	....	....	....	....	....	....	....	4.39	+.24	1.26	T.	14	....	....	....	....	Paul A. Simonds
London	Kanawha	623	1	53.6	....	89	23	27	†12	56	2.72	....	.59	.0	15	11	0	19	se.	Lockmaster
Madison	Boone	675	16	55.6	+1.3	^{f}88	18	^{g}25	12	^{m}48	3.14	−.70	1.04	.0	14	12	4	14	....	C. B. Whitlock
Marlinton	Pocahontas	2,185	37	49.4	+2.6	84	18	20	1	49	3.37	−.25	2.07	T.	13	12	3	15	nw.	M. B. Bruce
Point Pleasant	Mason	595	44	55.5	+.6	87	†23	28	†1	45	3.33	+.02	.73	.0	16	7	15	8	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	49.7	....	84	23	18	1	55	4.19	....	.86	4.5	19	9	2	19	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	55.0	+1.2	88	24	22	11	47	2.19	−.97	.55	....	13	7	3	20	sw.	Lockmaster
Richwood	Nicholas	2,193	7	52.0	....	84	24	22	1	51	3.90	....	1.17	T.	18	10	5	15	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	54.2	+1.2	90	23	26	12	51	2.35	−.96	.43	.0	15	12	0	18	....	M. Frazier
Ryan	Roane	700	34	52.6	+.6	85	†18	21	12	52	2.51	−1.27	.41	.2	14	10	12	8	....	Wm E. Ryan
Spencer	Roane	789	33	53.0	+.2	85	23	25	†1	39	2.78	−.61	.49	T.	13	7	13	10	....	A. M. McKown
Summersville	Nicholas	1,894	4	....	....	....	....	....	....	....	3.28	....	.82	....	9	....	....	....	....	Daisy Butler
Sutton	Braxton	850	31	53.6	+.8	85	†23	23	1	51	3.60	−.25	1.05	T.	7	20	0	10	....	C. B. Eakle
Union^{d}	Monroe	2,250	33	50.8	−1.0	85	24	21	1	50	3.39	+.50	1.48	....	11	12	0	14	....	C. B. King
Wayne	Wayne	598	10	....	....	....	....	....	....	....	3.49	−.17	.94	.0	10	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	50.6	−.8	90	23	21	16	41	3.80	+.52	1.65	....	10	16	6	8	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	55.5	.0	88	23	27	12	49	4.15	+.47	1.17	T.	14	12	11	7	ne.	J. E. Dotson
Division averages	and extremes	....	....	**53.0**	**+.1**	**90**	**†18**	**18**	**†1**	**59**	**3.16**	**−.32**	**2.10**	**.2**	**13**	**11**	**6**	**13**	**nw.**	
State averages and	extremes	....	....	**51.4**	**−.3**	**91**	**18**	**18**	**†1**	**59**	**4.09**	**+.57**	**4.20**	**.2**	**12**	**10**	**7**	**13**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for April 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.08						.18			.23			.35							.40	.40			1.03	1.57	.07					4.31
Brandywine	do		T.			.20			T.	.05	T.	T				T.						T.				2.20	1.30	.25					4.00
Circleville ‖‖	do			T.			.28	.23			.34	T.	.16	.14			.38	.20			.37		T.	.22		.18	2.45	.32	.51				5.78
Harpers Ferry ‖‖	do					.05	1.24			.10	.06		.01			.12	.10					.24	.40			.09	3.65	1.08	1.62				8.76
Kearneysville	do					.16			.05	.10		.05		T.	T.	.12						.64	T.			.72	3.52	.15	1.36				6.87
Martinsburg ‖‖	do				T.		.20			.22	.02	T.	.05			.10				T.		.50	.25			.50	4.00	1.50					7.34
McNeill	do		T.			T.			.27	.06	T.	T.		T.	T.	T.		T.		.09		.26	.25			1.62	3.02	.29	.13				5.99
Piedmont	do					.32	.11		.12	.22					T.	.11	T.		.30			.23	.38			1.75	2.23	.18	.16				6.11
Romney	do		T.			.20	.10	.15	.21	.05	T.	T.				.10				.35		.15	.20			1.10	3.60	.30	.12				6.63
Stony River Dam ‖‖	do		.18			.20	.12			.30			.10			.50				.18		.12			.18	1.90	.50		.18	.18			4.64
Upper Tract	do					T.			T.	T	T.					T.						T.				1.42	1.87	.25	.16				3.70
Wardensville ‖‖	do			.09	.06			.04		T.			T.										.76				4.20	.47	.35				5.97
Northern Division																																	
Aberdeen	Monongahela		.07			.04	.17		.02	.36	.04	.02		T.	.24	.54				.18		.19	.59			1.35	.78	.23	T.				4.82
Alma (near)	Ohio		.01			.10	.03		.05	.20					.15	.43			.14			.18	.57		.18	.95		.27					3.26
Alpena	Monongahela		.26			.07	.12		.21	.13	T.	.10			.33	.36	.04					.44	.25			1.75	.66	.25	.03				5.00
Benson	do						.17		.02	.36	.02				.15	.62		.03		.20		.11	.67			.83	.52	.25					3.95
Bens Run	Ohio					.31	.02		.14	.39					.30	.28			T.	.02		.28	.19		.32	.30		.30	T.				2.85
Brownsville	Monongahela		.04				.16			.34	.03				.20	.54				.12		.24	.63			1.02	.58	.18					4.08
Buckhannon	do						T.		.20	.35	T.	T.			.30	.45						.42	.42			1.73	.48	.15					4.50
Cairo	Litl.Kanawha					.18				.42						.50							.40			.60		.38					2.48
Clarksburg ‖‖	Monongahela		.07			.05	.10			.28	.02					.61	.26			.16		.10	.37			.13	1.69	.15	.17				4.16
Crawford	do	.07				.02	.10		.07	.39	T.	T.			.17	.41			T.	.10		.25	.34			1.36	.39	.19					3.86
Creston ‖‖	Litl.Kanawha		.13		.10		.02		T.	.25	.02	.01		T.	.48	.08			.35			.15	.40			.25	.14	.35	.05				2.78
Dam 10, Mon. R. ‖‖	Monongahela		.03			.03	.17			.43	.03	T.	.01		.01	.56	.11			.11		.23	.66	.11		.19	1.84	.16	.08	.02			4.78
Dam 13, O. R. ‖‖	Ohio				.08	.16	.08			.48	.01		.01		.05	.44				.04		.21	.38	.05		.20	1.10	.20	.24				3.73
Dam 15, Mon. R. ‖‖	Monongahela																																....
Davis ‖‖	do					.19				.18	.27	.21	.11		.60					.50			.19			.81	2.00	.90	.21				6.17
Elizabeth (D'm 3 LK)	Litl.Kanawha	T.			.17				.30						.62	.06			.05		T.	.30			.34	.10	.40	.10	T.				2.44
Elkins***	Monongahela		.16		.01		.02		.25	.16	T.	.02		T.	.21	.25	T.		.24	.01		.40	.01		.13	2.12	.46	.20					4.65
Fairmont ‖‖	do	.05			.05	.13			.38	.05	T.	T.		.04	.70	.02			.34		.22	.70				1.58	.10	.15					4.51
Glenville ‖‖	Litl.Kanawha		.11			.16	.21			.37	.06		T.			.61	.36			.37		.26	.65			.44	.52	.25	.11				4.48
Grafton	Monongahela		.05			T.	.08			.34	T.	T.			.15	.50				.23		.16	.49			1.73	.75	.11	.12				4.71
Hackers Creek	do		.01				.10		.37	.02					.23	.53			.15			.26	.59			1.24	.50	.26	.03				4.29
Hastings	Ohio		.11			.20	.07		.03	.43					.20	.52				.16		.13	1.03			.84	.37	.25	.03				4.37
Horner	Monongahela		.25							.50		.03						.10			.25	.75				1.32	.63	.25					4.08
Ireland	do								.04	.48	.06				.16	.34				.26			.55		.26	1.09	.26	.20					3.70
Jackson's Mill	do								.10	.45	T.	.03			.19	.33			.15			T.	.76			1.18	.48	.18					3.85
Jane Lew	do		.10				.22			.36					.28	.50							.57			1.22	.66	.24					4.15
Lost Creek	do		.05			.04	.17		T.	.38	T.	T.			.22	.42	T.			.38		.14	.59		T.	1.32	.67	.24	.02				4.64
Mannington	do		.06			.12	.07		.16	.17		.01			.35	.64			.05	.03		.22	1.07			1.27	.81	.18	.02				5.23
Morgantown	do		.80	T.			T.		T.	.25	T.	T.		T.	.10	.70	.15					.30	.95			2.00	.70	.12		T.			6.07
New Cumberland	Ohio		.10	.07	.02	.07	.09		.15	.23	.01	.01			.78	1.14			.10	.01		.56	.57			.85	.93	.23	.01				5.93
New Martinsville	do		.12			.18			.12	.35					.35	.30							1.00		.35	.80		.30					3.87
Parkersburg***	do	.03	.01		.21	T.	T.		.41	.01	.01	T.		T.	.10	.22			.01			.19	.01		.27	.19	.27	.25					2.19
Parsons	Monongahela		T.		T.	.03	T.		T.	T.	T.	T.				1.00			.26		.20	.36				1.62	.53	.32					4.32
Parsons No. 2	do		.05			.02				.37	T.	T.			.13					.32		.22	.43			1.59	.82	.28	.04				4.27
Philippi ‖‖	do		.11				.07			.31	.10	T	T.			.62	.09			.25		.21	.40			.38	1.80	.04	.11				4.49
Pickens	do		.10				T.		.35	.36	.10	.20			.52	.63	T.			.09		.20	.42		.10	1.85	.45	.17					5.54
Roanoke	do		.04			T.	.15				.34	T.			.22	.38				.35			.77			1.05	.37	.25					3.92
Rockford	do		.10			.04	.16			.35	.02	T.		T.	.18	.33		T.	T.	.16	.21	.65				1.64	.49	.27					4.60
Saint Marys ‖‖	Ohio	.06				.29				.52												.20	.15			.38	.18	.28	.18				2.24
Terra Alta	Monongahela		.40			T.	T.			.60	T.				.40	1.10	T.			.60		.30	.80			T.	2.00	.50	.50				7.20
Thomas ‖‖	do		.16	.02		.11	.03			.33	.10					.30	.28			.30		.20	.46			.45	1.69	.20					4.63
Valley Chapel	do		.13			.05	.16			.31	T.	T.			.18	.53				.19		.22	.71			1.09	.44	.18					4.19
Vandalia	do		.08				.24			.40							.60			.30			.47			1.36	.48	.20					4.13
Wellsburg	Ohio		.06	.08	T.	.05	.05		.16	.14		T.			.39	.56			T.			.41	.68			.99	1.00	.26	.06				4.89
West Milford	Monongahela						.20			.38					.30	.45	.10				.30	.25	.50			1.37	.60	.25					4.70
Weston ‖‖	do		.10			.06	.16			.34						.72	.26			.18		.28	.71			.37	1.40	.06	.18	T			4.82
Wheeling (Dam 12) ‖‖	Ohio		.06		.06	.15	.04			.32		.02			.22	.34				.04		.12	.50	.05		.18	1.11	.18	.20				3.59
Woodlands ‖‖	do		.10		.01	.15	.10			.57					.11	.70	T.					.06	.88			.49	.63	.03	.19				4.02
Southern Division																																	
Arbovale ‖‖	Gr. Kanawha		.03		T.	.09			.15	T.	T.	.10		T.	.28	.01	T.			.01		T.	.18		T.	2.10	.05	.18					3.18
Bancroft	do					.13	.08			.62						.25	.37					.18	.37			.19		.29	.12	.08			2.68
Beckley	do				.14	.07			.45	.56	.08	.04		.07	.82	.68	.06		T.			.04	.53		.28	.25	.04	.30		.33			4.74
Bluefield	do					.16			.09	.13	.02				.14	.50	.03										.62	.28		.78			2.75
Camden-on-Gauley ‖‖	Gauley		.02			.04				.64	.16	.08	.04			.65	.23			.07		.03	.37			.25	1.10	.17	.12	.05			4.02
Charleston	Gr. Kanawha	.03			.06				.55	.06	T.	T.			.66	T.			.25			.01	.48				.15	.14		.10			2.49
Charleston No. 2	do		.01			.06	.07		T.	.62	.10	T.			T.	.63	.36			.02		.10	.47			.17	.21	.14	.15	.10			3.21
Clay ‖‖	do		.02			.05	.09			.38	.16	.01	.02			.51	.18			.05		.09	.52			.18	.30	.27	.13	.10			3.06
Dam 6 G. K. ‖‖	do		.01			.07	.09				.15					.38	.28					.14	.40			.16	.22	.13	.12	.11			2.26
Dam 19 O. R. ‖‖	Ohio		.03			.25	T.		T.	.43	T.	.01	T.		T.	.32						.07	.13			.27	.11	.23	.13				1.98
Dam 20 O. R. ‖‖	do		.03			.22				.41	.02					.48	.06			.02		.08	.16			.20		.30	.20				2.18
Dam 25 O. R. ‖‖	do		.05			.27	.05									.40	.65					.10	.20			.22	.05	.56	.12	.02			2.69
Gary ‖‖	Big Sandy						.45			.46		T.		.02	.03	.38	.08						.34			.20		.08	.01	.81			2.86
Hinton ‖‖	do		T.			.14	.01			.34	.03		T.		.13	.42	.01					.01	.16			.32	.49	.54	T.	.24			2.84
Hogsett	Ohio					.21			T.	.76	T.					.47	.10			.05		.04	.18			.16	.05	.15	.05	.01			2.23
Huntington	do				.23	.04	T.		.10	.58	T.	T.			.18	.35				T.		.28	.13		.14	.11	.03	.35	T.	.19			2.71
Kanawha Falls ‖‖	Gr. Kanawha		T.							.45						.95	.35						.08			.30	.15	.25	.15	.05	T.		2.73
Kayford ‖‖	do					.03	.09	T.		.97		.22	T.		.07	.93	.34			.05			.60			.80	.09	.33	.21	.26			4.99
Lewisburg	do				.02	.04			.06	.12	.07	.01			.33	.35	.01			.06			.12		.34	1.64	.07	.37		.10			3.71
Logan ‖‖	Guyandotte		T.		.03	.19	T.	.01	.55	.05		T.	T.		.26	1.26	.28			.29		T.	.31			T	.24	.14	.03	.75			4.39
London	Gr. Kanawha		.01			.05	.03			.59	.16					.49	.35			.12		.05	.34			.09	.12	.16	.08	.08			2.72
Madison	do				.05	.15		.10	.60	.06			.10		1.04	.21			.02						.24	.11	.14	.03	.29				3.14
Marlinton	do		.01			.15			.10	.15	.01	.03			.23	.21							.03			2.07	.17	.18		.03			3.37
Point Pleasant ‖‖	Ohio		.02			.24	.04	.01	T.	.73	.02	.01				.53	.19			.11		.05	.25		T.	.27	.05	.67	.14	T.			3.33
Rainelle	Meadow Creek		.02		.10	.09	T.		.31	.09	.21	.09	T.	.01	.44	.67	.05	T.		.02		.01	.42		.16	.86		.55	.03	.06			4.19
Ravenswood (Dam 22	Ohio ‖‖		.02			.13	.02			.47					T.	.55	.06			.10		.03	.28			.21	.08	.17	.07	T.			2.19
Richwood	Gr. Kanawha		.11			.03			.29	.47	.12	.08			.25	.36	.06				.09	.07	.37		.01	1.17	.15	.14	.07	.06			3.90
Robertsburg ‖‖	do					.12	.19		.03	.43	.02	T.				.29	.10			.04		.17	.37			.15	.04	.33	.06	.01			2.35
Ryan	do				.11	T.	.04			.54	.02	T.			.15	.41						.41	.23		.08	.10	.02	.33	.05	.02			2.51
Sharples ‖‖	Coal River					T.	T.								.12	2.98	.35						.89			.42		T.		.40			5.16
Spencer ‖‖	Gr. Kanawha		.01			.09	.06			.38	T.	T.				.47	.12			.19		.26	.35			.21	.08	.49	.07				2.78
Summersville ‖‖	do						.08		.27	.82						.58	.10			.12							.76	.45		.10			3.28
Sutton	do						T.		T.	.70		T.			.25	.45						.30	.60			1.05		.25					3.60
Thornwood ‖‖	do								.31	.27				.11											.40	2.20	.25	.14					3.68
Union	do					.12			.03	.14	.07				.25	.56	.05						.05				1.48	.37		.27			3.39
Wayne ‖‖	Big Sandy					.09	.07			.83					.94		.32					.14	.34			.29		.12		.35			3.49
White Sulpr. Spgs. ‖‖	Gr. Kanawha				.15				.20					.25	.50	.20									.55	1.65	.05	.15	.10				3.80
Williamson ‖‖	Big Sandy		T.			.08	.10		.14	.45	.04	T.			.35	1.17	.12						.45			.31	.01	.05	.02	.86			4.15

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for April 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	57	55	51	55	60	55	55	50	49	31	35	51	62	60	55	71	79	74	73	72	65	60	75	70	45	49	47	53	63	60	....	57.9
	Minimum	20	20	30	35	40	38	31	30	30	25	25	21	21	48	20	21	40	35	37	32	35	42	38	41	32	32	37	35	30	42	....	32.1
Brandywine	Maximum	57	58	65	58	60	58	54	52	48	42	44	55	65	64	66	60	76	90	85	76	65	80	83	80	60	57	60	62	65	66	....	63.7
	Minimum	20	32	28	32	42	40	32	40	37	28	22	26	25	35	44	35	19	52	46	28	35	38	40	40	41	38	40	31	39	38	....	34.8
Kearneysville	Maximum	60	59	54	50	57	64	57	53	57	46	49	59	66	73	72	61	66	89	80	73	67	60	62	60	48	45	53	60	65	64	....	61.6
	Minimum	57	43	40	38	42	52	37	36	40	31	32	29	29	51	53	39	27	44	45	47	39	39	33	43	39	42	39	37	37	42	....	40.1
Martinsburg*	Maximum	65	61	59	59	63	65	61	61	51	45	48	61	69	77	75	77	78	90	77	73	66	62	67	80	52	50	52	62	70	..	....	64.7
	Minimum	41	40	42	35	39	45	38	38	38	34	34	32	30	35	55	35	35	40	45	45	42	38	36	45	47	45	39	37	39	43	....	39.6
McNeill	Maximum	65	61	61	53	55	60	63	60	50	44	46	58	70	69	71	60	72	88	84	80	73	77	80	76	50	52	52	59	66	72	....	64.2
	Minimum	19	32	25	30	41	45	38	30	38	33	24	20	21	36	60	37	19	38	32	30	46	50	33	44	43	40	40	33	37	29	....	34.8
Piedmont	Maximum	61	53	56	48	53	51	59	44	44	40	46	55	66	66	65	50	69	84	69	76	47	64	78	50	46	49	46	55	66	68	....	57.5
	Minimum	26	40	36	41	46	48	38	36	42	32	34	30	29	44	50	36	29	53	42	42	46	43	42	45	42	40	41	40	36	43	....	39.7
Romney	Maximum	75	65	58	49	60	67	55	58	46	41	40	55	68	66	62	58	63	91	77	72	72	59	69	74	48	44	45	59	69	80	....	61.5
	Minimum	26	39	40	38	42	47	40	36	41	37	34	30	28	43	55	39	27	40	45	43	45	44	43	45	41	41	41	38	31	42	....	39.4
Upper Tract	Maximum	63	61	60	53	50	60	64	59	56	48	44	51	..	59	65	58	71	85	76	78	71	74	79	74	52	48	45	59	67	66	....	61.9
	Minimum	22	42	29	30	42	46	35	33	38	30	30	23	..	35	49	35	21	47	40	32	46	41	40	38	38	38	38	34	37	38	....	36.1
Wardensville	Maximum	58	59	65	60	59	54	49	43	55	..	66	71	71	46	72	52	77	88	71	..	76	63	71	..	56	43	50	58	65	..	....	61.5
	Minimum	41	33	39	48	39	33	45	34	29	24	..	38	49	46	24	47	23	40	42	54	.	41	33	44	..	39	41	33	55	..	....	39.0
Northern Division																																	
Bens Run	Maximum	60	57	56	73	75	67	60	53	47	45	48	69	68	65	64	57	76	82	72	77	80	50	83	83	61	60	55	61	68	75	....	64.9
	Minimum	28	42	36	44	51	43	38	41	39	31	34	36	38	54	45	36	33	49	43	43	51	45	39	54	46	44	43	41	44	46	....	41.9
Buckhannon	Maximum	54	60	60	65	73	68	65	55	52	40	43	53	64	63	68	50	70	82	79	78	84	73	83	78	65	52	50	56	65	70	....	63.9
	Minimum	24	40	32	41	55	42	38	35	35	28	30	23	30	50	48	33	28	41	41	37	40	40	40	36	40	43	38	38	41	46	....	37.8
Cairo	Maximum	58	62	60	64	73	75	53	52	52	44	42	60	65	70	65	61	70	85	82	85	83	83	84	85	66	61	63	59	73	75	....	67.0
	Minimum	22	41	44	39	30	42	38	34	34	26	28	22	29	53	51	37	27	43	38	38	51	52	35	46	47	42	44	37	43	36	....	38.3
Clarksburg *	Maximum	60	55	57	69	71	53	55	49	41	41	43	56	68	64	61	51	78	82	69	74	82	64	81	75	54	52	54	59	68	71	....	61.9
	Minimum	22	35	34	40	53	47	37	36	40	28	30	22	27	40	54	36	28	37	41	37	45	51	35	41	51	41	39	38	38	39	....	38.1
Creston	Maximum	60	59	62	70	70	70	65	61	59	59	50	59	67	65	61	52	73	84	81	80	81	79	85	82	80	76	75	72	70	75	....	69.4
	Minimum	22	41	30	39	49	41	39	35	47	26	26	22	29	50	49	46	21	44	40	36	50	59	37	41	46	41	38	38	45	39	....	38.9
Elkins	Maximum	58	52	63	58	64	62	58	55	50	34	37	50	63	61	64	45	76	80	63	74	81	65	78	62	53	49	50	55	70	65	....	59.8
	Minimum	23	39	32	45	53	38	35	37	33	27	30	26	27	52	37	30	25	49	41	34	55	39	34	47	38	38	38	39	38	50	....	37.6
Fairmont	Maximum	61	55	56	69	71	47	60	50	43	41	44	62	70	62	63	57	74	84	73	77	83	61	83	75	60	53	55	62	71	70	....	63.1
	Minimum	26	34	35	38	50	47	37	39	39	29	31	26	32	44	50	35	30	34	44	40	50	52	44	46	50	41	41	37	39	50	....	39.7
Glenville	Maximum	63	62	60	68	72	71	62	63	51	44	45	60	68	66	66	58	71	84	86	76	85	84	86	86	67	60	59	61	74	76	....	67.8
	Minimum	24	42	30	43	52	42	38	36	38	28	29	24	30	55	50	36	28	44	42	38	51	53	38	47	47	43	44	40	45	39	....	39.9
Grafton	Maximum	58	58	60	67	69	68	59	58	51	38	42	58	64	62	62	56	73	81	68	79	84	80	82	80	72	53	54	60	72	74	....	64.7
	Minimum	24	41	32	39	51	43	37	37	37	29	32	22	28	51	51	35	27	42	44	36	55	52	33	52	43	40	40	35	36	49	....	39.1
Lost Creek	Maximum	58	57	57	68	70	69	56	53	49	39	42	57	62	66	62	54	74	83	82	75	81	77	83	82	66	54	53	60	68	71	....	64.3
	Minimum	21	40	30	36	53	41	36	33	37	26	28	21	26	35	51	35	25	45	40	35	50	51	34	49	44	41	37	37	38	44	....	37.3
Mannington	Maximum	58	55	54	70	71	69	54	53	48	40	42	55	67	64	63	50	71	81	68	72	81	69	78	77	65	50	52	58	67	70	....	62.4
	Minimum	22	39	30	45	52	44	37	34	37	29	29	20	26	45	48	35	26	41	40	35	49	50	33	51	43	40	36	35	34	44	....	37.6
Morgantown	Maximum	55	54	53	55	54	49	58	55	52	42	37	56	65	64	60	70	82	80	80	78	80	79	78	70	69	48	53	50	48	50	....	60.8
	Minimum	32	31	30	30	34	35	37	40	36	29	29	26	36	48	50	48	40	40	42	44	45	40	36	40	39	38	41	37	40	39	....	37.7
New Cumberland	Maximum	58	56	53	70	74	71	58	54	52	57	57	59	68	69	64	56	72	77	69	72	69	62	77	74	60	58	58	57	69	70	....	64.0
	Minimum	23	34	29	37	47	34	35	37	34	28	30	23	33	42	34	33	30	49	38	36	44	39	33	45	42	39	36	37	32	40	....	35.8
New Martinsville	Maximum	60	56	55	74	76	50	56	55	47	42	47	60	68	66	62	57	77	78	72	76	80	74	74	80	65	60	54	64	66	72	....	64.1
	Minimum	26	28	34	42	48	45	38	39	38	29	32	25	33	48	45	35	31	48	40	39	50	48	36	52	45	43	42	42	43	40	....	39.5
Parkersburg	Maximum	66	55	59	69	74	62	57	55	46	43	45	58	71	66	63	53	75	84	71	75	79	61	85	80	56	60	53	64	70	73	....	64.1
	Minimum	29	43	37	47	57	41	39	43	36	30	34	29	40	55	40	36	35	50	45	44	52	46	41	56	44	44	42	42	50	53	....	42.7
Parsons	Maximum	61	55	59	60	64	65	63	55	52	44	35	57	66	62	64	53	60	82	70	79	82	73	82	65	54	50	50	54	72	65	....	61.8
	Minimum	23	38	33	45	50	40	36	38	35	28	28	25	27	52	40	36	26	41	41	35	56	50	35	50	38	38	39	37	36	50	....	38.2
Pickens	Maximum	60	53	66	58	66	59	55	58	49	38	33	51	58	55	61	47	74	81	60	77	78	68	78	71	61	54	47	56	72	59	....	60.1
	Minimum	23	34	26	43	48	35	34	39	30	23	25	19	28	47	40	28	25	50	37	35	34	45	35	50	29	32	35	36	42	34	....	34.7
Wellsburg	Maximum	59	55	50	66	70	70	51	53	46	41	41	55	68	64	58	52	69	81	62	66	66	64	70	69	61	50	56	59	76	71	....	60.6
	Minimum	22	38	34	36	49	42	37	35	36	30	31	20	29	48	42	35	28	44	38	31	45	42	36	47	45	41	36	36	35	37	....	36.9
Weston	Maximum	62	61	60	71	73	72	57	58	57	42	42	56	67	68	67	59	76	84	80	77	86	84	81	84	60	56	57	58	70	74	....	66.6
	Minimum	26	42	38	39	55	43	38	37	38	39	30	25	30	54	51	37	29	51	43	38	51	52	38	48	40	40	39	41	43	45	....	40.7
Wheeling (Dam 12)	Maximum	58	47	50	74	75	50	55	53	43	44	50	60	69	66	61	60	73	80	70	73	81	51	73	76	58	54	54	57	65	71	....	61.7
	Minimum	28	30	36	37	46	46	39	39	38	29	33	27	33	44	55	36	33	40	39	40	47	47	37	44	50	43	39	40	38	40	....	39.1
Southern Division																																	
Beckley	Maximum	62	58	72	67	63	61	62	60	55	44	36	55	61	59	63	50	78	82	73	75	78	73	84	61	46	57	53	63	74	67	....	63.1
	Minimum	22	40	28	38	43	40	33	44	33	28	26	26	30	47	44	31	25	54	48	34	57	43	49	44	41	29	38	36	44	45	....	38.0
Bluefield	Maximum	60	58	68	..	70	61	63	60	54	39	..	55	62	63	62	49	72	..	80	72	72	69	80	78	..	58	55	58	68	66	....	63.5
	Minimum	28	42	32	..	37	43	33	46	31	29	..	26	33	48	44	32	27	..	53	40	58	45	48	45	..	33	39	33	45	45	....	39.0
Charleston	Maximum	66	62	71	68	73	65	60	63	46	48	47	59	69	68	71	59	80	87	83	81	84	73	87	78	73	66	57	67	77	74	....	68.7
	Minimum	30	34	36	40	57	46	41	42	41	37	37	29	36	43	56	40	39	40	50	42	51	54	47	54	49	39	40	42	46	53	....	43.0
Gary *	Maximum	65	63	75	61	72	54	66	67	43	47	43	59	69	67	67	53	..	85	73	78	80	73	86	65	55	63	56	63	75	68	....	65.2
	Minimum	25	31	31	36	50	50	39	40	42	35	31	23	30	36	50	39	28	.	38	38	46	43	44	49	47	34	37	36	45	53	....	38.8
Hinton *	Maximum	69	66	78	57	64	56	67	62	47	47	41	61	64	65	68	53	83	90	77	81	82	76	71	62	61	65	55	70	78	73	....	66.0
	Minimum	26	32	31	34	45	50	38	38	45	32	30	29	30	33	46	37	28	31	48	38	40	44	45	48	46	36	40	35	39	42	....	37.9
Huntington	Maximum	65	64	69	70	72	64	60	60	53	52	49	61	70	65	64	54	79	85	76	77	81	74	89	84	62	66	59	68	75	72	....	68.0
	Minimum	30	44	42	46	57	44	41	42	39	38	33	29	39	54	52	40	35	62	47	43	55	54	47	54	50	42	43	43	51	52	....	44.9
Lewisburg	Maximum	58	58	68	64	60	61	59	57	53	40	38	53	59	59	65	52	72	82	78	73	76	69	81	78	46	59	55	62	69	65	....	62.3
	Minimum	29	43	33	40	43	47	34	46	36	30	29	28	30	50	50	35	27	53	53	40	58	47	51	45	42	36	40	40	47	47	....	41.0
Madison	Maximum	67	..	..	78	78	49	66	66	48	..	48	60	66	67	67	..	83	88	74	83	82	75	87	77	60	65	..	66	..	79	....	70.0
	Minimum	..	35	..	..	35	44	39	39	38	34	..	25	32	43	52	39	..	40	50	37	53	48	45	50	47	36	42	..	42	..	....	41.1
Point Pleasant	Maximum	66	66	68	70	72	62	62	60	53	48	47	62	70	67	63	56	78	85	77	78	79	77	87	87	61	64	55	65	73	75	....	68.0
	Minimum	28	42	34	42	54	43	38	40	39	33	32	28	37	53	54	39	33	55	44	41	53	54	43	53	49	41	43	42	51	52	....	43.0
Rainelle	Maximum	61	58	70	64	68	59	63	61	67	47	47	53	59	58	60	49	77	81	77	74	75	69	84	81	45	57	54	62	74	73	....	64.2
	Minimum	18	38	24	39	42	40	32	37	32	27	25	24	24	42	45	32	22	35	48	28	57	38	36	43	40	32	34	33	44	46	....	35.2
Ravenswood	Maximum	65	65	65	72	75	68	72	63	57	50	45	54	68	68	64	58	76	85	84	80	79	80	87	88	62	67	58	63	76	78	....	69.1
	Minimum	25	41	32	51	53	38	37	37	38	29	22	24	34	53	51	36	31	48	41	40	53	55	40	49	47	40	42	38	49	49	....	40.8
Richwood	Maximum	61	61	69	67	65	61	65	65	62	58	64	52	62	60	62	53	77	81	81	76	75	74	83	84	52	57	58	58	74	73	....	66.3
	Minimum	22	38	28	42	42	41	39	41	33	27	26	23	28	48	46	33	26	40	48	33	58	44	38	38	40	37	37	38	46	49	....	37.6
Robertsburg*	Maximum	70	62	71	70	75	47	63	58	46	50	48	62	70	67	69	57	80	89	76	79	81	72	90	75	56	57	57	66	74	75	....	67.1
	Minimum	28	31	37	41	54	44	40	40	39	34	30	26	32	46	56	39	31	38	44	40	49	52	43	51	49	40	44	40	47	56	....	41.4
Ryan	Maximum	63	60	65	68	75	65	58	55	50	42	45	58	68	62	64	48	78	85	75	78	80	75	85	80	60	60	60	64	75	75	....	65.9
	Minimum	22	37	30	47	52	42	37	36	37	29	24	21	29	52	47	36	26	43	40	35	53	51	54	47	45	36	42	37	48	47	....	39.
Spencer *	Maximum	64	60	64	69	73	45	60	51	43	46	46	59	60	65	65	51	78	84	71	77	81	71	85	77	52	62	54	62	75	75	....	64.
	Minimum	25	40	32	38	51	44	38	39	39	31	28	25	38	48	57	38	49	50	44	39	45	53	40	43	48	41	44	40	51	52	....	41.
Sutton	Maximum	63	63	66	67	72	72	60	60	54	43	43	56	66	66	60	60	78	84	84	77	82	82	85	85	68	59	59	63	72	73	....	67.
	Minimum	23	44	30	44	45	43	39	38	38	32	29	25	29	46	40	38	27	45	48	35	50	52	40	53	36	43	43	43	49	47	....	39.
Union	Maximum	60	60	70	..	71	62	61	62	53	37	..	52	59	59	61	50	72	..	80	74	72	69	81	85	..	58	58	60	65	69	....	63.
	Minimum	21	44	22	..	38	48	34	47	34	28	..	24	25	47	50	34	22	..	46	34	59	45	43	44	..	34	39	33	45	42	....	37.
White Sulphur Spgs.	Maximum	65	60	70	58	66	59	63	60	47	40	42	57	60	70	65	46	77	84	74	80	78	72	90	58	58	50	52	65	72	65	....	63.
	Minimum	38	25	35	42	45	37	40	45	29	25	23	33	38	44	35	21	38	51	33	50	43	40	49	42	42	40	34	42	40	32	....	37.
Williamson*	Maximum	67	67	76	70	74	56	63	67	50	52	48	60	68	66	69	66	83	87	75	82	81	77	88	77	63	65	57	68	77	71	....	69.
	Minimum	29	32	35	39	52	47	42	42	39	36	33	27	30	40	51	41	34	41	54	42	49	48	48	53	50	41	42	41	48	54	....	42.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	.090	.180	.153	.154	.216	.050	.106	.011	.000	.077	.043	.134	.142	.014	.214	.050	.124	.264	.177	.199	.251	.151	.156	.029	.190	.028	.051	.058	.187	....	3.49
	Wind movement	73	86	131	89	83	157	89	31	41	87	84	70	28	90	103	168	35	30	138	52	26	136	129	37	34	33	128	22	38	73	....	2,32

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 5-28-37—900)

THE
JUN 1 1937
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

H. C. DeMENT

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., MAY 1937 No. 5

GENERAL SUMMARY

May averaged slightly below the normal in temperature and precipitation. There were but two periods of warm weather, 1st to 4th, 24th to 31st, while the temperature was below the normal for about two-thirds of the month. Light to killing frosts occurred in the interior, during the middle portion of the month. The damage from frost was light and limited to the mountain regions. The rainfall was received over the State in two well defined divisions, the northern half was heavy in places, and above normal, while the southern half, with few exceptions, was below the normal. Growth was rapid during the last half of the month. At the close of the month pastures and meadows were in excellent condition, and small fruit was plentiful.

TEMPERATURE

The average temperature for the northeastern panhandle division was 60.9°, or 0.°5 above normal; for the northern division, 61.0°, or 0.2° below normal; for the southern division, 62.0°, or 0 2° below normal; and for the State, 61.4°, or 0.3° below normal. The highest monthly mean temperature was 65.8° at Hastings, and the lowest, 53.1° at Terra Alta. The highest temperature was 97° at Hastings on the 31st, and the lowest was 28° at Bayard, Terra Alta and Rainelle on the 11th, and Brandywine on the 1st, making the monthly range for the State 69°. The greatest daily range was 52° at Brownsville on the 1st.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 2.83 inches, or 0.86 inch below normal; for the northern division, 4.65 inches, or 0.44 inch above normal; for the southern division, 2.59 inches, or 1.34 inches below normal; and for the State, 3.58 inches, or 0.34 inch below normal. Most of the precipitation was received on the 4-7th, 12-16th, and 26-27th, with the greatest amounts being measured on the 26-27th. The greatest monthly precipitation was 7.17 inches at Bens Run, and the least, 0.94 inch at Bluefield. The greatest amount in any 24 consecutive hours was 2.25 inches at Thomas on the 28th. The average number of days with .01 inch or more of precipitation was 12.

HAIL

Light hail occurred in sections of the following counties on dates given: Hancock, Pocahontas, 17th; Pleasants, 27th; Randolph, 18th; Wirt, 16th.

Moderately heavy hail fell in and near Point Pleasant, Mason County, on the 26th, and at Williamson, Mingo County, on the 27th. The stones were from one fourth to one half inch in size, and covered the ground to a depth of several inches.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 6th, 2; 7th, 4; 8th, 2; 10th, 1; 11th, 5; 14th, 15th, 16th, 17th, 1 each; 20th, 2; 21st, 1; 23d, 1; 24th, 9; 25th, 4; 26th, 1; 29th, 6; 30th, 31st, 5 each.

Thunderstorms: 5th, 5; 6th, 1; 8th, 1; 13th, 1; 14th, 4; 15th, 1; 16th, 5; 17th, 4; 22d, 12; 23d, 7; 26th, 12; 27th, 15; 28th, 12.

ERRATUM.– April, mean temperature at Elkins, should read 48.6°, departure –0.2°.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio .	30.01	30.24	1	29.71	5	6.5	27	w.	22	77	56	61	63
Columbus, Ohio..	30.00	30.26	1	29.71	22	8.4	34	w.	22	70	53	60	60
Elkins	30.03	30.34	1	29.70	6	5.8	40	nw.	16	84	46	56	60
Parkersburg	30.04	30.33	1	29.73	6	5.6	26	nw.	16	80	48	59	68
Pittsburgh, Pa ...	30.00	30.32	1	29.65	6	9.5	35	nw.	26	74	59	57	68
Wytheville, Va...	30.02	30.36	1	29.72	5	6.4	23	w.	22	76	44	55	68

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891........	57.2	.....	......	2.38	3.11	3.60	3.18	......	......	......	......	......
1892........	62.2	96	32	3.62	6.67	4.83	5.04	......	......	......	......	......
1893........	59.5	92	30	4.90	4.35	4.84	4.51	......	10	12	9	10
1894........	62.1	100	28	6.90	4.24	3.61	4.44	......	13	16	9	6
1895........	61.6	105	20	3.18	2.18	2.80	2.60	......	9	12	11	8
1896........	68.3	95	33	2.92	3.50	2.71	3.01	......	10	11	13	7
1897........	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898........	63.0	94	28	5.02	4.52	4.26	4.51	......	13	13	10	8
1899........	64.1	96	35	5.27	5.12	5.11	5.17	......	12	11	11	9
1900........	62.5	98	21	1.82	2.79	3.77	2.99	.....	8	14	9	8
1901........	61.8	96	21	6.65	5.59	6.65	6.15	......	13	11	10	10
1902........	65.2	98	25	2.20	3.09	3.58	3.17	......	9	14	11	6
1903........	64.3	95	20	3 22	3.63	2.40	3.03	T.	8	18	9	4
1904........	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905..	64.2	96	26	3.28	5.08	5.36	4.95	0	11	12	10	9
1906.	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907........	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908........	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909........	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910.......	57.9	96	19	2.45	4.05	4.56	3.92	0	12	11	10	10
1911........	66.0	100	22	1.78	1.39	1.34	1.46	0	5	20	8	3
1912........	63.3	94	31	3 89	3.28	4.39	3.93	0	11	15	8	8
1913........	61.6	95	19	5.54	5.60	4.50	5.16	0	10	14	8	9
1914........	62.4	100	24	1.51	2.10	1.91	1.96	0	6	18	8	5
1915........	61.1	92	29	4.55	4.24	4.10	4.22	0	13	10	9	12
1916........	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917........	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918........	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919........	61.5	100	30	4.16	4.92	5.86	5.25	0	13	12	7	12
1920.......	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921........	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922........	63.7	94	26	3.21	3.52	4.01	3.67	0	11	14	7	10
1923........	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924........	55.5	93	23	8.74	7.12	6.72	7.20	0.1	17	9	7	15
1925........	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926...... ..	61.2	94	14	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927........	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928........	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929........	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930........	63.3	101	23	1.39	2.33	2.19	2.17	0	10	15	8	8
1931........	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932....... .	62.1	96	24	5.78	2.85	2.70	3.11	0	9	17	7	7
1933........	65.1	97	34	5.59	7.91	6.22	6.99	0	18	8	10	13
1934........	63.1	100	27	2.56	2.05	1.97	2.08	0	6	18	8	5
1935........	59.2	92	26	3.98	6.11	6.74	6.07	0	13	12	7	12
1936........	64.1	100	25	1.89	2.08	1.88	1.99	0	6	20	7	4
1937........	61.4	97	28	2.83	4.65	2.59	3.58	0	12	14	10	7
Period.....	61.7	105	14	3.69	4.21	3.93	3.92	T.	11	13	9	9

Climatological Data for May 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	56.2	−0.2	85	†30	28	11	49	3.86	−0.44	1.13	0.0	10	17	10	4	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	59.0	+.4	91	31	28	1	48	2.80	−.28	.85	.0	9	21	5	5	s.	Elmer Keister
Circleville	Pendleton	....	5	....	....	....	....	....	....	....	4.55	....	.83	.0	14	....	....	....	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	....	....	....	....	....	....	....	1.88	−1.56	.43	.0	13	....	....	....	......	Eleanor White
Kearneysville	Jefferson	548	7	63.2	....	93	31	36	1	44	1.91	....	.56	.0	9	18	12	1	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	^{a}64.8	+2.0	^{a}94	26	39	1	40	2.10	−1.29	.48	.0	10	22	8	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	41	61.0	+.8	96	31	29	11	50	2.92	−.31	.56	.0	11	14	12	5	w.	R. E. Saville
Piedmont	Mineral	1,053	24	60.7	+.7	90	31	36	11	44	2.70	−.95	.70	.0	12	14	8	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	39	62.0	−.9	92	31	35	†1	41	3.59	+.06	.60	.0	13	14	15	2	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	....	....	....	....	....	....	....	3.32	−1.28	1.42	.0	7	11	8	12	w.	A. C. Becker
Upper Tract	Pendleton	1,230	38	....	....	....	....	....	....	....	....	....	....	...	..	....	....	....	......	Mrs. J. M. Mallow
Wardensville ^{d}	Hardy	1,200	16	60.4	+1.0	89	31	33	1	44	1.47	−1.49	.48	.0	8	11	12	4	w.	Reymann Memorial Farm
Division averages	and extremes	....	....	**60.9**	**+.5**	**96**	**31**	**28**	**†1**	**50**	**2.83**	**−.86**	**1.42**	**.0**	**11**	**16**	**10**	**5**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	....	....	....	....	....	....	....	4.09	+.22	.78	.0	13	7	17	7	w.	L. Else Bond
Alma (near)	Tyler	800	10	....	....	....	....	....	....	....	5.38	+1.71	1.36	.0	13	12	5	14	......	D. N. Furbee
Alpena	Randolph	2,571	7	....	....	....	....	....	....	....	....	....	....	...	..	....	....	....	......	Christian Hertig
Benson	Harrison	1,080	13	59.4	−1.4	90	31	29	1	47	4.56	+.63	.96	.0	13	11	16	4	......	R. D. Marts
Bens Run	Tyler	652	35	63.4	+0.4	92	31	40	†7	38	7.17	+3.17	1.83	.0	14	20	8	3	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	62.2	+0.6	90	31	31	7	52	4.17	−.06	.89	.0	14	9	21	1	......	W. B. Worley
Buckhannon	Upshur	1,411	40	59.5	−1.6	85	31	33	†1	50	3.36	−1.07	.60	.0	12	17	9	5	......	H. A. Darnall
Cairo	Ritchie	680	36	....	....	....	....	....	....	....	....	....	....	...	..	....	....	....	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	60.8	+0.5	90	31	33	11	47	4.42	+.74	.93	.0	14	9	16	6	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	....	....	....	....	....	....	....	3.87	−.62	.46	.0	14	14	11	6	sw.	George W. Blair
Creston	Wirt	640	35	62.3	−0.8	93	31	35	†1	44	3.91	+.20	.73	.0	13	18	4	9	......	J. L. Ledsome
Dam 10 Mon. R.	Marion	826	16	....	....	....	....	....	....	....	6.00	+1.93	1.33	.0	16	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	21	....	....	....	....	....	....	....	5.49	+2.07	1.45	.0	13	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	16	....	....	....	....	....	....	....	6.79	+3.19	1.46	.0	18	....	....	....	......	Lockmaster
Davis	Tucker	3,093	28	....	....	....	....	....	....	....	4.89	+.65	2.00	.0	11	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	25	....	....	....	....	....	....	....	2.87	−.56	.54	.0	11	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	36	58.4	−0.8	87	31	32	11	42	4.11	+.06	.55	.0	17	4	16	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	31	62.6	+0.5	94	31	34	†7	45	6.18	+2.30	1.29	.0	15	15	6	10	w.	J. C. Robinson
Glenville	Gilmer	738	43	62.8	−0.8	93	31	35	1	46	4.40	+.28	1.28	.0	10	15	5	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	61.5	.0	88	31	33	11	45	5.61	+1.93	1.60	.0	13	13	12	6	......	L. W. Clayton
Hastings	Wetzel	809	2	65.8	....	97	31	36	11	47	5.79	....	2.14	.0	14	10	16	5	w.	L. G. McIntyre
Horner	Lewis	1,044	14	....	....	....	....	....	....	....	3.78	−.89	.75	.0	9	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	14	61.6	+1.6	90	31	32	1	44	3.37	−1.23	.72	.0	11	19	8	4	sw.	Dan Burkholder
Lost Creek	Harrison	1,026	39	59.9	−0.5	89	31	31	11	45	3.08	−1.07	.65	.0	13	11	12	8	w.	Allen Smith
Mannington	Marion	985	34	58.8	−1.6	85	31	32	11	44	6.12	+2.11	1.31	.0	19	12	9	10	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	....	....	....	....	....	....	....	....	....	....	...	..	....	....	....	......	Bruce Davis
New Cumberland	Hancock	671	39	61.0	+0.8	93	31	32	11	44	4.26	+.86	1.39	.0	14	12	9	10	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	62.2	−0.8	92	31	35	11	41	4.95	+1.28	.98	.0	11	11	12	8	n.	Wm. Ankrom
Parkersburg	Wood	615	50	63.2	−0.6	92	31	39	11	35	3.49	+.11	.93	.0	15	10	12	9	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	60.4	+1.6	92	31	32	11	46	4.58	+.45	2.00	.0	10	14	10	7	......	J. W. Swisher
Philippi	Barbour	1,550	40	....	....	....	....	....	....	....	4.84	+.57	1.06	.0	10	....	....	....	......	H. F. Brittinham
Pickens	Randolph	2,697	34	57.0	−1.1	83	31	29	†2	45	6.67	+1.42	1.29	.0	14	15	11	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	....	....	....	....	....	....	....	3.38	−.98	.90	.0	10	16	5	10	......	Miss Mary A. Conrad
Terra Alta ^{e}	Preston	2,559	36	53.1	−4.3	78	31	28	11	37	1.75	−3.23	1.00	.0	11	16	5	5	w.	Ernest Naedele
Thomas	Tucker	2,950	8	....	....	....	....	....	....	....	5.86	....	2.25	.0	12	....	....	....	......	H. L. Stiles
Valley Chapel	Lewis	1,011	14	61.8	+.2	89	31	33	1	44	3.45	−.44	.82	.0	13	13	14	4	w.	J. C. Campbell
Vandalia	Lewis	1,120	14	....	....	....	....	....	....	....	4.24	−.54	.82	.0	12	....	....	....	......	James B. Kelley
Wellsburg	Brooke	668	30	60.0	−.2	91	31	30	11	47	5.95	−2.75	1.17	.0	12	18	10	3	w.	George P. Pfister
West Milford	Harrison	979	12	....	....	....	....	....	....	....	3.72	−.01	.90	.0	12	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	63.9	+1.2	91	30	35	†1	45	3.73	−.11	.78	.0	12	1	24	6	......	A. Henry
Wheeling (Dam 12)	Ohio	659	50	61.8	.0	91	31	36	11	41	5.92	+2.82	1.33	.0	12	10	10	11	sw.	Lockmaster
Woodlands	Marshall	637	10	....	....	....	....	....	....	....	4.99	+1.50	1.28	.0	12	9	6	16	sw.	R. W. Rist
Division averages	and extremes	....	....	**61.0**	**−0.2**	**97**	**31**	**28**	**11**	**52**	**4.65**	**+0.44**	**2.25**	**.0**	**13**	**12**	**11**	**8**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	....	....	....	....	....	....	....	2.58	−.83	.70	.0	13	14	13	4	sw.	H. S. Sutton
Bancroft	Putnam	574	33	^{c}65.4	+2.6	94	31	^{c}39	†11	^{c}43	2.58	−1.17	.55	.0	10	13	5	13	w.	Charles N. Long
Beckley	Raleigh	2,440	34	59.4	−.4	86	†30	30	†7	46	2.47	−1.15	.53	.0	13	9	18	4	......	L. A. Mauck
Bluefield ^{f}	Mercer	2,558	42	61.2	−.4	83	27	35	11	39	.94	−2.18	.30	.0	12	8	10	7	......	Norfolk & Western Ry.
Charleston	Kanawha	600	34	62.6	−2.8	90	†22	41	†11	47	2.96	−.82	.93	.0	10	16	13	2	......	S. E. Damron
Clay	Clay	706	21	....	....	....	....	....	....	....	3.11	−.68	.57	.0	13	....	....	....	......	S. E. Woofter
Dam 6 G. K.	Kanawha	598	10	....	....	....	....	....	....	....	3.25	+.63	.91	.0	12	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	21	....	....	....	....	....	....	....	3.66	+.24	1.07	.0	12	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	21	....	....	....	....	....	....	....	3.36	−.10	.74	.0	11	....	....	....	......	Lockmaster
Dam 25 O. R.	Mason	565	10	....	....	....	....	....	....	....	3.21	−.05	1.37	.0	11	....	....	....	......	Lockmaster
Gary	McDowell	1,426	21	62.6	+1.5	90	†30	35	11	45	2.07	−1.90	.56	.0	12	....	....	....	......	U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	63.6	+.2	96	31	39	†1	48	1.57	−1.98	.62	.0	10	22	3	6	......	Mrs. M. L. McClung
Hogsett	Mason	564	21	....	....	....	....	....	....	....	2.63	−1.05	.58	.0	10	....	....	....	......	U. S. Engineers Office
Huntington	Cabell	538	40	65.6	+.9	94	31	41	†11	40	2.67	−1.30	.79	.0	12	7	16	8	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	....	....	....	....	....	....	....	1.63	−2.27	.55	.0	7	....	....	....	......	J. O. Brown
Kayford	Kanawha	1,335	21	....	....	....	....	....	....	....	2.07	−2.33	.61	.0	10	....	....	....	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	61.3	+1.2	86	31	37	1	34	1.56	−1.80	.74	.0	11	16	10	5	......	J. K. Monroe
Logan	Logan	700	34	....	....	....	....	....	....	....	1.95	−2.16	.52	.0	8	....	....	....	......	Paul A. Simonds
London	Kanawha	623	1	63.6	....	93	†27	40	†11	48	1.47	....	.38	.0	12	17	0	14	w.	Lockmaster
Madison ^{1}	Boone	675	16	61.1	−2.7	^{c}93	31	^{1}35	10	^{1}41	2.09	−2.24	.68	.0	7	19	6	6	......	C. B. Whitlock
Marlinton	Pocahontas	2,185	37	59.0	+2.0	91	31	30	1	48	2.22	−1.72	.65	.0	10	12	11	8	nw.	M. B. Bruce
Point Pleasant	Mason	595	44	63.4	−1.3	92	31	39	11	37	3.99	.00	1.73	.0	11	14	11	6	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	58.2	....	88	31	28	11	47	2.27	....	.38	.0	14	16	6	9	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	63.8	+1.9	91	31	35	11	41	3.23	−.48	.75	.0	10	12	5	14	......	Lockmaster
Richwood	Nicholas	2,193	7	60.7	....	88	31	32	11	45	2.23	....	.35	.0	12	11	18	2	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	64.3	+1.1	94	31	39	†7	48	3.31	−.09	.58	.0	11	21	0	10	......	M. Frazier
Ryan	Roane	700	34	60.2	−1.0	88	31	32	20	43	4.53	+.89	.70	.0	16	12	14	5	......	Wm E. Ryan
Spencer	Roane	789	33	63.0	+1.0	92	31	35	11	41	4.01	+.36	.90	.0	13	12	13	6	......	A. M. McKown
Summersville	Nicholas	1,894	4	....	....	....	....	....	....	....	2.32	....	.44	.0	10	....	....	....	......	Daisy Butler
Sutton	Braxton	850	31	61.5	−1.8	91	31	35	†1	45	3.75	−.61	.65	.0	13	16	0	15	......	C. B. Eakle
Union ^{e}	Monroe	2,250	33	59.0	−1.9	88	31	30	†7	42	1.11	−2.09	.42	.0	7	15	0	11	......	C. B. King
Wayne	Wayne	598	10	....	....	....	....	....	....	....	3.05	−.53	.70	.0	9	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	59.6	−.9	90	31	32	†1	48	1.20	−2.27	.65	.0	6	26	5	0	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	65.2	+.2	93	31	41	†11	43	3.06	−1.02	.73	.0	14	14	10	7	sw.	J. E. Dotson
Division averages	and extremes	....	....	**62.0**	**−.2**	**96**	**31**	**28**	**11**	**48**	**2.59**	**−1.34**	**1.73**	**.0**	**11**	**15**	**9**	**7**	**sw.**	
State averages and	extremes	....	....	**61.4**	**−.3**	**97**	**31**	**28**	**†1**	**52**	**3.58**	**−.34**	**2.25**	**.0**	**12**	**14**	**10**	**7**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for May 1937

Stations	Draiuage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac													.10	.22	.55		.30					.45	.03			.03	1.13	.90	.15			3.86
Brandywine	do					.15			.20					.30		.25		.05	T.	.85			.20	.05				.75					2.80
ircleville ‖‖	do						.37	.18	T.		.14			.42	.24	.32	.08	.22		.83		T.		.18	.09			.75	.56	.17			4.55
Harpers Ferry ‖‖	do						.25	.03	.20	.35	.03				.43	.12		.07		.13				.03	T.			.04	.10	.10			1.88
Kearneysville	do					T.	.56		.25		.05			.09	.15					.22			.35					.06	.18				1.91
Martinsburg ‖‖	do						.48		.30	.10				T.	.25	.10		.02		.20				.25	T.			.25	.15				2.10
McNeill	do					.56	.05		.08		T.			.55	.07	.26		.07		.31			.20	T.			T.	.33	.44				2.92
Piedmont	do					.21			.10					.70	.06		.24	.02	.04	.22				.19			.02	.60	.30				2.70
Romney	do					.57	.60		.07					.20	.15			.20	.20	.40			.40	.10			.05	.30	.35				3.59
tony River Dam ‖‖	do					T.	.48	.08								.48		.26		.48								1.42		.12			3.32
Upper Tract	do																																......
Wardensville ‖‖	do						.21	.02							.11	.02		.11		.20								.48	.32				1.47
Northern Division																																	
Aberdeen	Monongahela					.30	.78		T.		.28			.14	.27	.32	T.	.09	T.	.33			.48	.17			.05	.50	.38				4.09
Alma (near)	Ohio					.66	.23		.01				.09	.81	.22	.11		.10		.15				.37			.41	1.36	.86				5.38
Alpena	Monongahela																																......
Benson	do					.05	.35				.23			.25	.25	.12	.20		.25				.96	.48			.50	.50	.42				4.56
Bens Run	Ohio				T.	1.09	.38	.07	.04	.06			.04	.38	.06		.19	T	.19				T.	.35			1.70	.79	1.83				7.17
Brownsville	Monongahela					.06	.89		.07		.20			.16	.15	.44		.20	.20	.28				.30	.02			.89	.31				4.17
Buckhannon	do					.50	.25				.25				.22	.34		.25	.05	.22			.10	.36			T.	.60	.22				3.36
Cairo	Litl.Kanawha																																......
Clarksburg ‖‖	Monongahela					.01	.38		.04		.12			.10	.46	.14		.22		.17				.93	.05			.76	.79	.25			4.42
Crawford	do					.31	.19		.06		.43			.23	.15	.39	T.	.11	T.	.32			.27	.21			.38	.36	.46				3.87
Creston ‖‖	Litl.Kanawha				.37	.70		.05			.17		.27	.40	.15	.05	.38		.40					.12				.73	.12				3.91
Dam 10, Mon. R. ‖‖	Monongahela					.02	1.27	.07	.03	.03	.15			.29	.30	.76		.22	.01	.06				.18	.12			1.33	1.16				6.00
Dam 13, O. R. ‖‖	Ohio					.85	.70				.06			.42	.53	.17		.62	.02	.06		.01		.05				.55	1.45				5.49
Dam 15, Mon. R. ‖‖	Monongahela					.04	1.42	.06	.02	.02	.15			.10	.25	1.10		.28	.06	.09		.01		.18	.14			1.35	1.46	.06			6.79
Davis ‖‖	do					.10	.15	T	T.							.23	.09	.60	.10	.31				.20	.10		1.01		2.00				4.89
Elizabeth (D'm 3 LK)	Litl.Kanawha				.43	.36		.03		.30			.22	.54	.14		.04		.36					T.			.30	.15					2.87
Elkins***	Monongahela					.55	.14	.02	.06	.06	.16		T.	.32	.14	.50	.23	T.	.38	.10			.33	.07			.33	.41	.31				4.11
Fairmont ‖‖	do				T.	1.13	.08	.05		.15			.13	.27	1.01		.17	.07	.14				.32	.08			1.21	1.29	.08				6.18
Glenville ‖‖	Litl.Kanawha					.08	.57		T.		.28			T.	.52	.37		.12		.35				.71				1.28	.12				4.40
Grafton	Monongahela					.10	.97		.06		.15			.11	.22	1.11		.21		.15				.27	T		.02	1.60	.64	T.			5.61
Hackers Creek	do					.16	.20		.01	.29				.02	.49	.13		.14		.24			.40	.05				.83					2.96
Hastings	Ohio					.39	.68		.13		.11			.37	.34	.26		.17		.09				.16			.04	.88	2.14	.03			5.79
Horner	Monongahela					.30	.35				.20			.35		.75		.20						.63				.40	.60				3.78
reland	do					.21	.32	.06			.33			.23	.31	.26	.02	.34		.42			.28	.08			.22	.77	.56				4.41
ackson's Mill	do							.20	.25	.08		.29		.50	.10	.12	.06		.08	.25		.20						.95	.29				3.37
ane Lew	do					.10	.72		.10		.32			.12	.22	.16				.35				.40				.50	.38				3.37
ost Creek	do					.18	.25		.03		.19			.13	.51	.05	T	.14	T.	.22			.08	.35			T.	.65	.30	T.			3.08
Mannington	do					.42	.49		.03	.02	.10		.01	.87	.07	.50		.34	.06	.05		.01	.17	.19			.42	1.03	1.31	.03			6.12
Morgantown	do																																......
ew Cumberland	Ohio					1.28	.06	T.		.03			.02	1.39	.04	.03		.35	.01	.03			T.	.19			.60	.20	.03				4.26
ew Martinsville	do					.75	.50			.12				.42	.52	.25			.12					.10			.25	.98	.94				4.95
Parkersburg***	do				.32	.63	.27	.07		.10			1.02	.31	.08	.01	.25	T.	.25				T.	.05			.22	.70	.21				3.49
arsons	Monongahela					.42		T.	.03		.15		T.		.46	.68	T.	T.	.38				.03					2.00	.43				4.58
arsons No. 2	do					.48	.40		.06		.16			.34	.16	.74		.14	T.	.29			.12	.34			T.	.95	1.12				5.30
hilippi ‖‖	do						.95		.13		.23				.34	.47		.11		.26				.31				1.06	.98				4.84
ickens	do					.92	.11	.12	.05				T.	.72	.49	.41		.30	.18	.71			.51				.32	.54	1.29				6 67
oanoke	do					.05	.47		.09	.35	T.				.23	.25	T.	.50	.31					.23				.90					3.38
ockford	do					.38	.26				.41			.31	.18	T.	.30	T.	.10	.19			.13	.19		T.	.14	.65	.41				3.65
aint Marys ‖‖	Ohio					.60	.65		.08		.08			.30	.17	.30		.25	T.	.25				.28				1.38	.80				5.14
rra Alta	Monongahela					T.	1.00	.02	.03					.06	.07	.08		.06	T.	.05			.08					.18	.12	T.			1.75
homas ‖‖	do						.46	.05			.13				.45	.56		.20		.35				.20	.08			1.09	2.25	.04			5.86
alley Chapel	do					.08	.30		.08		.29			.15	.28	.08		.08		.33			.04	.47				.82	.45				3.45
andalia	do					.39	.27			.42				.22	.23	.39		.27		.31			.23	.32				.82	.31				4.18
ellsburg	Ohio					1.17	.29							.90	.60	.37		.55	T.	.58			.05	.86			.03	.39	.16				5.95
est Milford	Monongahela					.10	.20			.15				.18	.45	.21		.28		.25			.12	.38				.90	.50				3.72
eston ‖‖	do					.02	.78		.07		.34			.02	.35	.21		.24		.29				.59				.52	.30				3.73
heeling (Dam 12) ‖‖	Ohio				.69	.68				.09			.19	1.33	1.00		.57	.03	.05			T.	T.	.02				.53	.74				5.92
oodlands ‖‖	do					1.06	.50	.02						.12	.56	.35		.25	.02	.08				.05				1.28	.70	T.			4.99
Southern Division																																	
bovale ‖‖	Gr. Kanawha					.20	T.		.36		.04		.10	.34	.08		.01	.18	.70				.06	.11			.14	T.	.26				2.58
ancroft	do					.17	.51		.46		.24				.15	.55	T.	.06		.14				.25				.05					2.58
ckley	do					.53	.30		.16		.11		.15	.27	.30	.07			.03	.08			.18	.15				.14					2.47
uefield	do					.18	.04		.08		.02		.05	.02	.30			.03		.02					.13			.06	.01				.94
mden-on-Gauley ‖‖	Gauley						.75	.02	.14		.20			.01	.53	.63		.14		.54	.01			.04				.30		.03			3.34
arleston	Gr. Kanawha					.31	.93		.35		.25				.40	.15		.01		.06			.16		.34								2.96
arleston No. 2	do					.30	.90	.32			.25				.39	.13		T.		.06			.15	.31	T.			T.					2.81
ay ‖‖	do					.01	.57	T.	.37		.30				.20	.25	.11	.04		.41			.30	.43	.04			.08					3.11
m 6 G. K. ‖‖	do					.25	.66	.01	.31		.91				.48	.02	.01	.01		.07			.01	.51									3.25
m 19 O. R. ‖‖	Ohio					.35	.38		.01		.15			.06	.50	.33	T.	.11		.36				.18				1.07	.16				3.66
m 20 O. R. ‖‖	do					.44	.56		T.		.30			.10	.18	.45	T.	.03		.45				.03				.74	.08				3.36
m 25 O. R. ‖‖	do					.18	.35		.10		.03			.08	.34	.15				.38				.08				1.37	.15				3.21
ry ‖‖	Big Sandy					.30	.56	.05	.11		.02			.07	.37	.17				.01				.23	.01			.17					2.07
nton ‖‖	do					.01	.25			.25	.01			.20	.62	.15				.02				.04					.02				1.57
gsett	Ohio					.35	.55		.13		.10			.36	.24	.58				.20				.09				.03					2.63
ntington	do					.79	.19	.49	T.		.19		.04	.45	.07	.23	T.		.03	.05			T.	.11			.03						2.67
nawha Falls ‖‖	Gr. Kanawha					.05	.55		.35		.03				.15	.45				.05				T.									1.63
yford ‖‖	do					.05	.51	.15	.23		.04				.35	.61	.02		T.	.04				.07									2.07
wisburg	do					.17	.14		.01		.02		.17	.13	.74	.02	T.			.02							.11	.03					1.56
gan ‖‖	Guyandotte					.21	.39	T.	.12					.15	.52	.03	T.							.12				.41	T.				1.95
ndon	Gr. Kanawha					.04	.38	.03	.28		.11			.01	.28	.22	.03			.04				.04				.01					1.47
dison	do				.17		.68	.30					.21	.34	.09								.30										2.09
rlinton	do					.25	.07	T.	.18		.04			.43	.35					.65			.02	.18			.05						2.22
nt Pleasant ‖‖	Ohio					.25	.44	T.	.14		.05			.08	.20	.61		.05		.37				.07			T.	1.73					3.99
nelle	Meadow Creek					.31	.11	T.	.09		.04		.21	.20	.38	.28	T.	T.	.02	.07			.15	.07			.11			.23			2.27
venswood (Dam 22	Ohio ‖‖					.29	.65		.20		.10			.11	.20	.45				.45				.03				.75					3.23
hwood	Gr. Kanawha					.35	.07		.09		.23		.06	.24	.34			.09		.35	.04			.17				.20					2.23
ertsburg ‖‖	do					.30	.40		.58		.08			.34	.33	.40	.02			.27				.10				.49					3.31
n	do					.54	.46	.35	.06		.13		.01	.70	.38	.32		.05	.15	.18			.05	.24			.61	.30					4.53
rples ‖	Coal River					.20			T.						.10	.15				.05													.50
ncer ‖‖	Gr. Kanawha					.35	.40		.30	.06				.06	.33	.19		.16		.59				.90	.01			.62	.04				4.01
nmersville ‖‖	do						.42		.35		.11				.44	.37	.04	.10		.25				.12				.12					2.32
ton	do					T.	.30		.10		.20			.15	.25	.50		.10	T.	.65			.35	.10			.50		.25	.30			3.75
rnwood ‖‖	do					.14		.16					.16				.11						.12				.33	.53					1.55
on	do					.10	.06		.07					.20	.42										.15			.11					1.11
yne ‖‖	Big Sandy					.35	.70		.34	.05				.16	.39					.17				.47				.42					3.05
ite Sulpr. Spgs. ‖‖	Gr. Kanawha						.10			.05				.65	.15									.05			.20						1.20
liamson ‖‖	Big Sandy			.06		.11	.57	.03	.17		.04			.08	.59	.02				.02				.27	T.			.12	.73	.25			3.06

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of servation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. ** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for May 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Northeastern Panhandle Division																																	
Bayard	Maximum	69	70	68	75	70	65	65	60	70	60	68	80	76	70	58	68	62	63	60	61	78	83	68	78	80	80	79	77	78	85	85	71.
	Minimum	35	30	30	31	43	44	32	40	32	40	28	31	58	48	44	40	46	39	43	37	35	50	53	37	38	47	56	57	50	40	43	41.
Brandywine	Maximum	64	70	65	75	80	67	60	70	76	75	76	78	75	68	65	72	70	75	65	62	85	89	81	75	85	86	87	88	89	86	91	75.
	Minimum	28	35	34	37	42	40	31	35	37	48	29	36	50	49	48	40	35	37	47	34	37	42	53	40	42	48	52	55	56	54	55	42.
Kearneysville	Maximum	68	74	71	77	78	71	70	76	78	77	71	77	82	70	66	70	73	72	70	69	76	92	79	82	80	90	86	84	81	86	93	77.
	Minimum	36	41	41	39	51	55	44	50	42	47	42	42	62	58	52	40	48	43	50	43	44	51	58	48	49	62	65	62	57	54	49	49.
Martinsburg*	Maximum	74	77	80	83	82	77	73	67	83	63	77	82	88	62	78	77	75	78	75	73	80	78	82	83	85	94	88	85	85	90	..	79.
	Minimum	39	40	50	50	48	52	45	50	45	48	46	42	53	52	52	44	50	42	44	45	45	52	55	60	55	60	65	62	60	55	60	50.
McNeill	Maximum	68	76	75	82	84	64	72	67	78	74	75	85	83	71	66	75	73	73	68	71	86	90	78	80	88	86	88	85	85	91	96	78.
	Minimum	31	30	34	34	46	54	34	43	34	50	29	35	55	56	52	37	40	34	44	36	37	47	51	40	42	52	59	60	53	49	52	43.
Piedmont	Maximum	70	74	76	78	70	55	69	62	76	58	78	84	78	63	60	74	67	69	65	70	76	88	75	75	85	79	84	82	81	87	90	74.
	Minimum	37	38	42	40	51	52	39	50	46	41	36	40	61	55	52	39	48	40	42	41	44	53	50	44	46	54	64	61	57	54	49	47.
Romney	Maximum	70	68	69	78	83	62	68	78	75	68	76	79	82	71	60	66	72	68	66	65	78	91	67	77	80	79	86	88	85	89	92	75.
	Minimum	35	37	43	39	51	50	41	50	41	48	35	40	61	51	54	40	42	40	49	46	42	51	56	46	42	51	64	62	55	68	76	48.
Upper Tract	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Wardensville	Maximum	..	73	70	78	75	66	..	..	75	63	70	78	78	65	64	69	70	69	68	68	83	..	88	77	82	88	85	83	80	83	89	75.
	Minimum	33	..	35	36	49	47	38	..	..	38	34	38	56	57	52	38	44	36	50	41	39	40	..	43	43	56	60	61	56	52	55	45.
Northern Division																																	
Bens Run	Maximum	79	81	79	80	68	64	69	70	75	64	77	83	70	67	63	71	73	64	70	71	85	89	76	75	86	82	85	83	85	90	92	76.
	Minimum	42	43	47	53	55	47	40	49	47	46	40	47	55	52	48	49	49	44	47	40	50	59	57	50	51	58	63	63	62	54	57	50.
Buckhannon	Maximum	72	77	75	77	74	62	64	65	72	66	68	83	75	68	60	70	60	66	65	64	80	84	70	75	80	83	83	80	80	80	85	73.0
	Minimum	33	37	40	42	54	42	34	46	44	50	42	33	59	51	45	40	48	38	48	34	43	55	58	44	41	53	53	60	60	48	52	46.0
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg *	Maximum	75	77	78	80	70	60	67	66	74	59	74	86	73	65	67	70	71	64	66	68	83	87	72	78	83	84	85	82	81	87	90	74.9
	Minimum	36	36	42	43	55	51	34	48	42	42	33	39	60	51	46	43	45	37	49	34	42	56	56	48	47	53	61	61	60	44	50	46.6
Creston	Maximum	78	79	79	76	73	70	68	69	73	70	75	75	70	72	69	73	75	72	72	68	87	88	85	80	85	89	87	84	85	89	93	77.7
	Minimum	35	39	45	55	54	49	45	43	41	45	35	40	45	52	45	44	46	39	49	35	43	56	55	47	47	53	55	59	59	49	51	46.9
Elkins	Maximum	74	72	72	77	71	54	64	59	69	57	74	82	74	60	55	68	65	65	60	63	80	85	70	71	79	83	82	78	78	84	87	71.4
	Minimum	47	39	40	42	53	45	34	44	40	38	32	45	54	49	45	39	47	39	42	33	41	57	49	43	44	52	60	60	53	47	51	45.3
Fairmont	Maximum	80	78	79	84	72	61	70	67	77	58	79	86	74	66	65	73	70	65	69	70	85	92	77	81	87	80	88	81	84	90	94	76.9
	Minimum	38	40	45	50	56	49	34	47	45	43	34	43	60	52	47	46	45	39	48	35	45	57	57	47	49	56	63	62	60	50	52	48 2
Glenville	Maximum	81	81	84	78	77	60	65	69	73	78	78	76	74	76	75	70	72	73	69	68	83	81	77	78	85	85	89	90	86	90	93	77.9
	Minimum	35	37	40	45	55	48	38	45	43	45	37	41	60	39	47	45	48	39	49	37	46	55	57	49	49	55	62	61	62	51	55	47.6
Grafton	Maximum	77	75	78	82	80	64	65	64	75	72	64	86	84	79	61	70	72	64	65	65	80	87	86	75	84	84	84	82	82	87	88	75.9
	Minimum	34	39	42	43	55	46	34	49	42	42	33	41	61	52	46	45	45	37	49	34	42	55	57	47	47	54	58	77	59	47	49	47.1
Lost Creek	Maximum	76	74	78	80	75	59	69	67	74	68	74	84	72	66	58	69	68	70	68	65	70	85	73	78	83	84	83	83	80	87	89	74.5
	Minimum	35	33	40	41	54	45	32	46	41	42	31	39	60	51	45	41	46	36	49	33	41	50	57	45	44	51	60	60	59	46	50	45.3
Mannington	Maximum	73	76	76	78	73	61	65	66	74	59	71	82	71	64	61	68	68	65	65	66	79	84	70	73	80	78	82	77	77	82	85	72.5
	Minimum	34	35	40	44	54	46	33	47	40	39	33	38	55	50	46	45	41	36	44	34	42	53	56	43	45	52	61	62	58	45	49	45.1
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland	Maximum	75	82	80	79	69	59	68	70	72	60	75	86	74	65	64	71	68	68	65	68	81	86	88	81	87	84	83	79	83	92	93	76.1
	Minimum	35	39	42	41	53	42	43	42	42	37	32	42	53	54	42	42	43	38	45	36	45	60	54	45	47	53	62	58	55	49	51	45.9
New Martinsville	Maximum	79	80	80	78	68	56	68	70	74	64	76	82	70	66	60	70	70	67	68	70	81	88	75	80	85	81	87	82	84	90	92	75.5
	Minimum	40	42	45	50	55	46	37	50	45	44	35	42	55	50	51	49	46	43	45	37	47	58	57	48	50	56	62	63	60	52	54	48.8
Parkersburg	Maximum	76	79	76	78	66	61	66	69	76	60	73	82	69	64	62	71	71	66	66	68	84	86	75	77	84	88	89	82	82	86	92	75.0
	Minimum	50	46	50	51	56	44	41	47	53	46	39	49	53	52	47	49	50	44	50	40	51	62	56	52	54	60	65	64	63	56	57	51.5
Parsons	Maximum	70	75	73	81	73	64	71	61	74	61	78	85	77	61	58	69	71	67	66	65	78	87	78	78	86	83	85	83	82	90	92	74.9
	Minimum	36	40	39	42	52	47	35	44	40	46	32	41	56	51	47	43	41	39	48	36	41	58	48	49	47	48	60	60	58	49	50	45.9
Pickens	Maximum	74	74	77	78	72	61	61	58	71	58	73	81	75	68	59	65	63	65	58	61	78	81	72	71	80	80	79	73	76	82	83	71.3
	Minimum	35	29	38	42	47	42	31	35	36	40	29	42	52	45	42	35	44	33	45	30	38	57	50	42	42	52	58	55	54	49	52	42.6
Wellsburg	Maximum	76	79	78	80	67	61	70	70	72	61	74	84	68	65	60	72	68	67	66	69	83	89	79	77	83	80	83	81	83	89	91	75.0
	Minimum	45	46	40	45	55	45	34	42	39	36	30	37	54	51	45	40	40	37	41	32	43	56	55	44	45	52	62	58	51	45	49	45.0
Weston	Maximum	77	83	80	81	78	63	71	73	77	72	80	86	84	72	70	72	73	73	71	68	87	90	88	80	87	89	90	86	85	91	90	79.6
	Minimum	35	38	42	45	56	48	36	47	44	47	35	43	61	53	46	45	48	39	50	36	44	59	58	49	48	54	63	61	61	50	53	48.2
Wheeling (Dam 12)	Maximum	76	79	79	78	77	59	68	69	73	62	74	83	72	70	61	70	69	66	65	68	81	87	74	78	84	78	82	80	84	90	91	75.1
	Minimum	40	41	45	51	50	46	40	46	46	41	36	42	52	52	46	45	48	42	44	39	48	56	57	57	51	54	64	61	55	52	54	48.4
Southern Division																																	
Beckley	Maximum	67	70	74	75	70	59	68	65	73	65	76	80	72	62	54	70	68	70	63	67	83	81	72	73	83	81	83	82	80	86	86	72.8
	Minimum	37	44	45	47	48	46	30	40	36	46	30	50	55	50	42	39	52	38	52	33	40	53	52	40	44	54	61	60	50	54	52	46.0
Bluefield	Maximum	64	66	..	72	68	60	66	65	..	73	74	78	72	66	..	..	70	72	69	68	81	81	..	80	81	81	83	79	80	82	..	73.2
	Minimum	38	46	..	48	58	49	36	42	..	39	35	54	58	51	..	..	39	43	57	37	44	60	..	43	50	58	62	62	58	61	..	49.1
Charleston	Maximum	76	78	78	80	63	61	71	70	78	68	77	85	76	65	61	74	75	74	70	69	88	90	65	79	88	88	89	88	86	67	90	76.4
	Minimum	52	55	47	50	49	52	43	44	46	53	41	42	53	53	48	49	54	46	47	41	43	43	43	54	45	46	56	59	54	55	54	48.
Gary *	Maximum	72	74	75	79	67	60	71	67	76	69	78	83	77	63	63	76	73	77	67	70	87	86	74	78	85	85	86	83	83	90	90	76.
	Minimum	46	44	47	45	54	52	38	41	40	49	35	43	57	56	47	44	51	40	49	40	42	55	56	50	47	56	62	60	62	57	55	49.
Hinton *	Maximum	76	78	81	83	75	62	73	71	82	71	82	86	78	63	59	78	77	77	72	72	91	90	78	81	90	88	92	87	89	95	96	79.
	Minimum	39	40	43	44	49	50	40	42	42	45	39	40	50	56	47	43	48	42	45	40	43	48	55	51	49	52	60	59	57	56	60	47.
Huntington	Maximum	72	81	78	80	64	65	69	70	79	75	74	83	70	64	58	76	77	73	74	73	88	87	84	81	89	90	92	90	88	90	94	78.
	Minimum	52	45	55	52	55	48	42	45	48	50	41	49	57	54	49	50	54	46	54	41	48	63	58	53	52	60	67	69	62	57	60	52.
Lewisburg	Maximum	65	68	71	74	71	59	67	64	72	65	70	76	72	66	58	69	69	68	66	66	80	82	77	74	79	80	83	82	80	83	86	72.
	Minimum	37	41	46	47	53	52	40	44	43	52	38	48	59	54	45	41	55	47	52	42	45	58	58	47	51	59	65	63	57	58	59	50.
Madison	Maximum	..	79	..	81	66	63	73	..	79	69	80	..	85	67	67	76	75	65	70	72	89	89	70	88	88	88	90	88	..	91	93	78.
	Minimum	..	42	..	43	45	39	40	..	38	35	43	..	55	41	42	45	40	50	40	42	50	55	45	..	..	..	..	..	..	..	..	43.
Point Pleasant	Maximum	75	73	79	77	70	63	65	79	77	73	76	80	68	68	60	67	71	69	69	69	85	86	84	77	85	85	89	87	86	89	92	76.
	Minimum	50	45	50	50	55	47	40	43	46	46	39	46	59	52	48	50	50	43	51	40	48	58	57	48	50	58	63	64	62	55	57	50.
Rainelle	Maximum	66	68	71	76	70	59	67	77	74	70	75	79	73	61	51	70	70	70	63	65	84	83	70	75	84	82	85	83	81	86	88	73.
	Minimum	38	44	45	37	47	46	30	40	31	45	28	38	53	50	43	36	43	34	50	30	37	48	49	48	40	48	57	55	51	47	49	43.
Ravenswood	Maximum	78	82	82	83	75	64	69	68	79	78	74	83	71	71	60	72	74	72	71	71	85	88	87	80	85	87	89	86	83	85	91	78.
	Minimum	49	41	47	46	54	46	37	42	50	45	35	45	60	52	46	47	47	39	50	36	48	57	56	47	47	57	67	61	72	50	53	49.
Richwood	Maximum	71	72	74	75	74	59	67	66	74	73	77	82	75	65	57	72	72	70	68	70	82	85	82	75	83	84	84	83	82	87	88	75.
	Minimum	44	46	40	44	52	46	35	37	38	48	32	51	52	52	45	37	48	37	51	33	41	52	54	44	44	52	60	59	57	51	52	46.
Robertsburg*	Maximum	80	81	81	78	62	64	62	69	78	66	87	84	70	62	60	76	74	69	69	74	91	89	79	82	88	89	89	84	85	89	94	77.
	Minimum	56	43	47	50	55	57	39	45	47	48	39	42	60	54	48	49	51	43	52	39	47	56	57	49	50	58	64	65	59	54	57	51.
Ryan	Maximum	75	75	75	80	64	60	75	65	75	65	75	82	65	65	65	70	75	70	70	75	85	85	75	80	85	85	85	85	85	85	88	75.
	Minimum	40	37	40	44	44	45	34	42	42	45	33	40	53	50	46	42	44	43	37	32	43	45	53	45	45	53	59	59	46	49	58	44.
Spencer *	Maximum	77	80	78	80	66	60	69	77	78	64	75	84	72	67	60	72	72	70	69	68	85	88	73	77	84	87	87	84	87	87	92	76.
	Minimum	48	40	45	50	55	47	44	37	48	49	35	50	62	54	48	45	49	40	51	36	44	59	57	49	48	55	63	62	59	56	55	49.
Sutton	Maximum	76	80	80	78	78	60	70	70	76	76	75	83	83	74	61	71	72	72	67	67	88	88	70	76	84	86	87	87	82	90	91	77.
	Minimum	35	35	41	48	49	48	37	45	43	50	35	43	43	48	48	44	50	38	52	36	43	45	42	52	45	50	55	53	51	55	56	45.
Union	Maximum	65	..	71	74	74	61	65	67	..	73	71	78	77	71	55	..	70	71	71	66	82	82	.	82	81	81	82	81	81	..	88	73
	Minimum	33	..	38	40	49	49	30	41	..	34	30	43	56	53	44	..	37	36	50	34	40	52	..	42	44	54	61	58	52	..	52	41
White Sulphur Spgs.	Maximum	67	70	71	78	77	60	72	68	72	62	74	83	75	63	60	74	72	76	71	72	84	84	71	75	88	89	85	85	84	87	90	75.
	Minimum	32	34	33	39	42	49	34	42	35	44	32	35	54	53	42	36	42	36	51	32	39	50	52	45	44	52	58	55	55	54	56	43.
Williamson*	Maximum	73	78	78	82	67	63	71	71	78	70	77	85	75	66	64	77	77	77	71	72	88	89	72	80	87	89	92	88	87	92	93	78.
	Minimum	52	45	52	48	54	55	44	47	45	50	41	46	58	57	47	46	52	46	54	41	45	51	60	54	52	58	62	62	63	62	61	51.

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.277	.214	.131	.304	.18[illegible]	.058	.084	.130	.050	.166	.540	.164	.178	068	.082	.086	.044	.356	.058	.163	.150	.159	.260	.087	.141	.205	.099	.245	.163	.228	.204	5.
	Wind movement	104	38	56	40	35	45	40	24	18	62	38	16	49	41	29	26	37	82	11	46	19	11	40	13	15	22	29	64	42	25	11	1,1

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 7-8-37—900

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., JUNE 1937 No. 6

GENERAL SUMMARY

June was moderately warm and considerably wetter than usual, with the rainfall generally favorably distributed throughout the month and over the State. Temperatures were well above the normal over the northeastern panhandle, but only moderately above over the remainder of the State. Rainfall was in excess of the normal at all stations, except in the central part of the State. Torrential rain, attending an electrical windstorm, fell over Gilmer, Lewis and Wood counties on the 21st-22d, causing a flood at Glenville, of 27.8 feet, the third highest of record. The rains and wind destroyed crops, gardens, grain, livestock and property. Four lives were lost by drowning. Many homes were flooded, and several washed from foundations. At the close of the month all crops were in excellent condition. Wheat cutting was generally in progress.—*H. C. D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 70.6°, or 3.1° above normal; for the northern division, 70.6°, or 1.6° above normal; for the southern division, 71.2°, or 1.1° above normal; and for the State, 70.8°, or 1.2° above normal. The highest monthly mean was 75.0° at Bancroft and Huntington and the lowest was 62.4° at Terra Alta. The highest temperature was 101° at Martinsburg on the 1st and the lowest was 40° at Bayard on the 9th and 24th, making the monthly range 61°. The greatest daily range was 44° at McNeill on the 9th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 4.25 inches, or 0.35 inch above normal; for the northern division, 5.80 inches, or 1.37 inches above normal; for the southern division, 4.31 inches, or 0.04 inch below normal; and for the State, 5.03 inches, or 0.69 inch above normal. The greatest monthly precipitation was 10.13 inches at Pickens and the least, 1.25 inches at White Sulphur Springs. The greatest amount in any 24 consecutive hours was 3.86 inches at Glenville on the 22d. The average number of days with .01 inch or more of precipitation was 13.

HAIL

Hail fell on the 14th in portions of Berkeley, Hampshire, Harrison, Pendleton and Randolph Counties and was moderate in the vicinity of Shinnstown and heavy in the vicinity of Romney, where damage to gardens and fruit was considerable.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

Thunderstorms: Reported somewhere in the State each day except the 12th, 13th, 23d and 24th, being most prevalent on the 9th, 14th, 17th, 21st and 27th.

MISCELLANEOUS PHENOMENA (Continued)

Fogs, dense: 3d, 1; 4th, 3; 8th, 8; 11th, 2; 12th, 9; 13th, 5; 14th, 1; 15th, 1; 16th, 2; 17th, 1; 19th, 2; 20th, 4; 21st, 2; 22d, 1; 23d, 4; 24th, 4; 25th, 2; 26th, 5; 27th, 3; 29th, 2.

Solar halo: 13th, 1.

Lunar corona: 20th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio .	29.96	30.30	11	29.67	29	6.1	25	sw.	9	84	59	65	67
Columbus, Ohio..	29.94	30.27	11	29.64	21	8.3	42	sw.	14	78	57	60	57
Elkins	29.96	30.29	12	29.64	21	5.1	24	e.	1	89	60	69	47
Parkersburg	29.96	30.30	12	29.59	21	5.4	35	nw.	21	86	56	65	62
Pittsburgh, Pa ...	29.94	30.24	12	29.57	21	9.2	42	nw.	14	79	53	59	70
Wytheville, Va...	29.97	30.24	12	29.66	30	5.8	21	w.	10	82	55	65	54

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891........	71.2	......	......	3.40	5.40	4.97	5.02	......	......	......	......	......
1892........	74.1	99	41	4.30	3.85	3.77	3.90	......	......	......	......	......
1893........	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894........	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895........	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896........	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897........	69.3	96	35	2.42	4.93	4.79	4.31	......	10	12	12	6
1898........	70.9	99	41	1 34	3.35	3.77	3.21	......	10	14	11	5
1899........	72.0	98	35	3.47	5.77	4.64	4.99	......	11	14	9	7
1900........	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901........	70.7	104	32	3.41	5.23	7.54	5.67	......	13	12	12	6
1902........	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903........	**65.1**	93	34	5.23	5.48	4.09	4.80	......	13	8	11	11
1904........	69.5	97	36	4.61	3.97	4.28	4.20	......	13	10	13	7
1905..	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906.	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907........	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908........	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909........	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910........	66.6	96	32	7.67	4.46	6.39	5.67	......	13	10	10	10
1911........	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912........	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913........	69.5	99	29	3 32	3.23	3.70	3.44	......	9	18	8	4
1914........	72.0	100	30	3 12	3.63	2.03	3.00	......	8	15	11	4
1915........	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916........	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917........	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918........	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919........	73.0	100	40	4.11	4.79	5.54	5.06	......	10	16	8	6
1920........	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921........	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922........	70.7	97	33	3.05	5.41	4.31	4.66	.....	11	12	9	9
1923........	70.2	102	35	3.10	5.36	4.11	4.54	......	11	16	7	7
1924........	68.7	98	32	3.86	4.37	5.43	4.67	......	13	13	8	9
1925........	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926...... ..	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927........	65.7	99	29	4.16	4.15	3.95	4.08	.....	11	12	8	10
1928........	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929........	68.2	100	28	3.68	3.28	3.74	3.50	.....	8	16	9	5
1930........	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931........	69.8	105	33	2.70	3.82	2.67	3.24	......	9	16	9	5
1932........	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933........	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934........	**74.3**	106	41	2.94	3.88	3.07	3.45	......	9	17	8	5
1935........	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936........	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
1937........	70.8	101	40	4.25	5.80	4.31	5.03	......	13	12	11	7
Period.....	69.6	109	27	3.90	4.43	4.35	4.34	......	11	13	10	7

Climatological Data for June 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	65.7	+2.2	86	5	40	†9	43	4.34	−0.79	1.20	0.0	11	22	5	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	69.2	+2.2	92	1	48	9	39	3.20	−.68	.85	.0	11	18	6	6	sw.	Elmer Keister
Circleville	Pendleton		5								4.17		1.04	.0	9					Moses R. Bennett
Harpers Ferry	Jefferson	244	48								4.16	+.51	1.15	.0	11					Eleanor White
Kearneysville	Jefferson	548	7	72.4		96	1	51	12	38	4.82		1.42	.0	9	12	13	5	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	[a]74.7	+3.7	[a]101	1	55	†11	41	5.97	+1.83	1.20	.0	12	19	10	1	w.	Dr. H. S. Gardner
McNeill	Hardy	900	41	70.9	+3.1	96	1	44	†9	44	3.56	−.04	.73	.0	8	9	17	4	w.	R. E. Saville
Piedmont	Mineral	1,053	24	70.2	+2.1	92	1	48	24	33	3.09	−.91	.78	.0	8	10	17	3	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	39	71.7	+1.8	95	†1	49	†13	40	5.47	+1.65	1.35	.0	11	9	18	3		Miss Lucille Keister
Stony River Dam	Grant	3,300	17								5.75	+1.73	1.18	.0	9	2	5	23	w.	A. C. Becker
Upper Tract	Pendleton	1,230	38																	
Wardensville	Hardy	1,200	16	70.4	+4.9	93	1	46	24	38	2.20	−.80	.68	.0	9	8	17	5		Reymann Memorial Farm
Division averages	and extremes			**70.6**	**+3.1**	**101**	**1**	**40**	**†9**	**44**	**4.25**	**+.35**	**1.42**	**.0**	**10**	**12**	**12**	**6**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13								5.05	+.69	1.22	.0	16	2	21	7	w.	L. Else Bond
Alma (near)	Tyler	800	10								6.09	+1.99	1.42	.0	15	15	8	7		D. N. Furbee
Alpena	Randolph	2,571	7																	Christian Hertig
Benson	Harrison	1,080	13	69.4	+1.2	90	†1	47	13	38	6.05	+1.74	1.12	.0	15	11	16	3		R. D. Marts
Bens Run	Tyler	652	35	73.4	+2.6	93	1	59	11	30	10.01	+5.79	2.44	.0	15	20	8	2		Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	72.1	+2.6	93	†16	48	23	37	5.17	+.86	1.97	.0	13	9	21	0		W. B. Worley
Buckhannon	Upshur	1,411	40	69.4	+1.0	88	1	49	13	31	5.84	+1.13	2.05	.0	14	16	13	1		H. A. Darnall
Cairo[a]	Ritchie	680	36	72.4	+2.1	94	†1	50	†13	39	7.58	+3.07	2.80	.0	10	9	14	7		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	70.4	+1.0	90	†1	51	†9	31	3.91	−.36	.62	.0	13	8	19	3	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14								6.10	+1.33	3.08	.0	14	13	13	4	sw.	George W. Blair
Creston	Wirt	640	35	72.8	+2.1	95	1	50	25	37	5.52	+1.14	1.54	.0	15	15	5	10		J. L. Ledsome
Dam 10 Mon. R.	Marion	826	16								3.53	−.81	.85	.0	13					Lockmaster
Dam 13 O. R.	Ohio	655	21								5.62	+1.79	1.26	.0	13					Lockmaster
Dam 15 Mon. R.	Marion	882	16								4.20	+.21	1.12	.0	13					Lockmaster
Davis	Tucker	3,093	28								3.69	−1.27	1.00	.0	7					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	25								8.55	+4.34	3.80	.0	11					Lockmaster
Elkins	Randolph	1,927	36	67.6	+.7	86	5	47	24	36	4.11	−.95	1.12	.0	16	2	16	12	nw.	U. S. Weather Bureau
Fairmont	Marion	883	31	72.0	+1.7	93	1	52	24	34	5.22	+.81	1.74	.0	15	15	10	5	w.	J. C. Robinson
Glenville	Gilmer	738	43	73.3	+2.2	95	†1	53	†9	34	8.46	+4.07	3.86	.0	15	21	3	6		Howard R. Brannon
Grafton	Taylor	1,000	44	71.2	+2.1	93	26	49	†13	36	5.85	+1.72	1.35	.0	16	9	18	3		L. W. Clayton
Hastings	Wetzel	809	2								7.10		1.22	.0	14	18	7	5	w.	L. G. McIntyre
Horner	Lewis	1,044	14								6.31	+2.01	2.50	.0	17					Foster R. Hardman
Jane Lew	Lewis	1,020	14	71.6	+2.1	91	1	50	†13	35	5.80	+1.73	1.35	.0	12	20	8	2	nw.	Dan Burkholder
Lost Creek	Harrison	1,026	39	69.8	+2.2	90	†1	49	24	34	3.50	−.83	1.11	.0	15	12	12	6	w.	Allen Smith
Mannington	Marion	985	34	68.8	+1.0	87	1	49	13	31	6.51	+2.23	1.95	.0	17	10	12	8	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	70.6	+1.3	90	†1	50	24	37	4.57	+.33	1.00	.0	9				sw.	Bruce Davis
New Cumberland	Hancock	671	39	70.2	+2.0	95	1	42	4	38	3.47	−1.08	1.56	.0	13	13	10	7	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	72.8	+1.7	94	1	53	13	31	5.87	+1.76	1.62	.0	14	14	9	7	s.	Wm. Aukrom
Parkersburg	Wood	615	50	72.5	+1.1	92	1	52	12	30	5.35	+1.35	2.17	.0	15	3	15	12	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	69.9	+3.0	92	5	49	†9	39	3.90	−1.09	1.00	.0	13	12	7	11		J. W. Swisher
Philippi	Barbour	1,550	40								4.36	−.33	1.57	.0	14					H. F. Brittinham
Pickens [a]	Randolph	2,697	34	64.4	−.5	84	1	45	13	35	10.13	+4.33	2.25	.0	15	14	10	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14								6.92	+2.61	3.80	.0	13	11	6	13		Miss Mary A. Conrad
Saint Marys	Pleasants	577	29								6.94	+2.77	1.33	.0	13					Wm. Hughes
Terra Alta	Preston	2,559	36	[e]62.4	−2.3	[e]82	1	[d]41	†14	[c]35	6.20	+.02	1.00	.0	10				w.	Ernest Naedele
Thomas	Tucker	2,950	8								5.65		1 36	.0	14					H. L. Stiles
Valley Chapel	Lewis	1,011	14	72.0	+2.4	90	†1	51	13	34	4.56	+.81	2.22	.0	16	10	16	4	w.	J. C. Campbell
Vandalia	Lewis	1,120	14								7.33	+3.52	3.01	.0	11					James B. Kelley
Wellsburg	Brooke	668	30	70.0	+2.0	92	5	46	†12	37	4.90	+.76	1 73	.0	9	18	8	4		George P. Pfister
West Milford	Harrison	979	12								5.32	+1.05	1.50	.0	10					Miss Dicie E. Wagner
Weston	Lewis	1,026	42	73.4	+3.0	95	2	52	13	35	5.34	+1.00	1.92	.0	14	0	25	5		A. Henry
Wheeling (Dam 12)	Ohio	659	50	71.6	+1.0	91	1	51	†13	35	7.18	+3.29	1.95	.0	12	10	10	10	sw.	Lockmaster
Woodlands	Marshall	637	10								6.05	+2.03	1.78	.0	14	9	14	7	sw.	R. W. Rist
Division averages	and extremes			**70.6**	**+1.6**	**95**	**†1**	**41**	**14**	**39**	**5.80**	**+1.37**	**3.86**	**.0**	**13**	**12**	**12**	**6**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11								2.90	−.85	1.18	.0	10	15	9	6	w.	H. S. Sutton
Bancroft	Putnam	574	33	75.0	+4.3	96	1	53	12	34	4.50	+.18	1.32	.0	10	12	7	11	w.	Charles N. Long
Beckley	Raleigh	2,440	34	67.4	−2.5	88	2	43	12	35	4.66	+.25	.82	.0	15	10	17	3		L. A. Mauck
Bluefield [f]	Mercer	2,558	42	68.6	−1.5	83	1	47	14	38	6.14	+1.91	1.55	.0	15					Norfolk & Western Ry.
Charleston	Kanawha	600	34	70.2	−2.9	94	1	47	12	42	4.90	+.51	1.30	.0	14	15	0	15		S. E. Damron
Clay	Clay	706	21								4.18	−.33	.76	.0	15					S. E. Woofter
Dam 19 O. R.	Wood	600	21								5.68	+1.76	1.93	.0	15					Lockmaster
Dam 20 O. R.	Wood	600	21								4.34	+.35	1.90	.0	13					Lockmaster
Dam 25 O. R.	Mason	565	10								4.80	+1.54	.91	.0	15					Lockmaster
Gary [a]	Mc Dowell	1,426	21	72.2	+2.9	91	6	52	13	32	4.50	−.57	1.38	.0	14					U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	73.2	+2.7	96	1	52	12	38	4.26	−.04	1.05	.0	12	19	9	2		Mrs. M. L. McClung
Hogsett	Mason	564	21								3.70	−.33	.73	.0	13					U. S. Engineers Office
Huntington	Cabell	538	40	75.0	+2.1	97	1	53	12	31	4.32	+.09	1.08	.0	13	4	20	6	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	18								2.92	−1.16	.85	.0	12					J. O. Brown
Kayford	Kanawha	1,335	21								4.61	−.58	1.04	.0	15					Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	69.6	+2.4	86	†1	51	12	29	1.56	−2.38	.32	.0	12	5	20	5		J. K. Monroe
Logan	Logan	700	34								4.80	−.09	1.03	.0	13					Paul A. Simonds
London	Kanawha	623	1	7.36		94	26	57	†9	35	4.38		.73	.0	14	12	0	18	s.	Lockmaster
Madison	Boone	675	16	[j]73.2	+.9	[b]94	1	[j]55	†11	[j]28	7.15	+2.99	1.60	.0	14	16	7	7		C. B. Whitlock
Marlinton[a]	Pocahontas	2,185	37	67.9	+3.6	89	1	46	9	38	3.07	−1.74	.90	.0	11	7	16	7	w.	M. B. Bruce
Point Pleasant	Mason	595	44	73.8	+1.4	94	†2	53	12	31	4.12	+.04	.67	.0	14	9	18	3	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	67.2		88	†1	44	9	39	3.97		.70	.0	16	15	2	13		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14					50	†12		3.52	−.62	.94	.0	13	12	4	14	ne.	Lockmaster
Richwood	Nicholas	2,193	7	70.2		88	†1	47	12	36	3.68		1.08	.0	14	9	15	6	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	73.5	+2.3	94	1	51	12	30	5.43	+1.61	1.30	.0	13	16	0	14		M. Frazier
Ryan	Roane	700	34	69.4	+0.6	90	†1	46	11	36	6.75	+2.10	1.27	.0	15	8	15	7		Wm E. Ryan
Spencer	Roane	789	33	71.7	+2.0	91	†1	51	†12	34	3.62	−.89	.90	.0	13	8	19	3		A. M. McKown
Summersville	Nicholas	1,894	4								4.45		1.25	.0	9					Daisy Butler
Sutton	Braxton	850	31	71.8	+.5	92	†5	50	†9	35	5.65	+.69	1.80	.0	11	19	0	11		C. B. Eakle
Union [d]	Monroe	2,250	33	68.5	+.7	88	†1	43	12	40	1.80	−2.19	.54	.0	10					C. B. King
Wayne	Wayne	598	10								5.73	+1.71	1.82	.0	14					Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	27	68.4	+.4	91	5	45	†12	36	1.25	−2.73	.60	.0	6	29	0	1		White Sulphur Spgs. inc.
Williamson	Mingo	673	37	74.1	+1.5	93	1	56	†12	32	4.99	+.22	.87	.0	16	12	13	5	nw.	J. E. Dotson
Division averages	and extremes			**71.2**	**+1.1**	**97**	**1**	**43**	**12**	**40**	**4.31**	**−.04**	**1.93**	**.0**	**13**	**12**	**10**	**8**	**w.**	
State averages and	extremes			**70.8**	**+1.2**	**101**	**1**	**40**	**†9**	**44**	**5.03**	**+.69**	**3.86**	**.0**	**13**	**12**	**11**	**7**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for June 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac									.10	.78	.45				1.20		.19	.36			.25	.48					.15	.35	.03			4.34
Brandywine	do				.80	.05		.05			.55	.30				.20		.15	.50				.30					T.	.05		.25		3.20
Circleville ‖‖	do				T.	.22	.18	T.			.28	.75	.17			.37			T.	.89			1.04						.27				4.17
Harpers Ferry ‖‖	do		.01	.35	.42				T.		.09	1.05				.05			.57	.16	T.		.16						1.15		.15		4.16
Kearneysville	do			.80								.87				.10		1.20	T			.14	T.					.08	1.42	.07	.14		4.82
Martinsburg ‖‖	do			.25	.70						.20	.75			T.	.65	.20	.04	1.20	.20		T.	.20						1.20		.38		5.97
McNeill	do				.09							.73				.73		.58	.27				.48					.48	.20				3.56
Piedmont	do				.16					.09		.72				.35		.61				.27	.11						.78				3.09
Romney	do			.40							.80	.35				.50		.62	.52			.15	.12				.63		1.35		.03		5.47
Stony River Dam ‖‖	do		.57		.90		.40				.78	.74				1.18				.60			.38						.20				5.75
Upper Tract	do																																
Wardensville ‖‖	do						.02				T.	.68				.30		.02	.33		.02		.38					.04	.41				2.20
Northern Division																																	
Aberdeen	Monongahela		.04	T.	.68	.20	.12	.25		T.	.29	.35			.02	.83	T.	.04	.42			.41	1.22					.05	.06	T.	.07		5.05
Alma (near)	Ohio			.21	.40	.21	.27	.54		.27	.31	.43			.62			.21	.02			1.42	.18					.70			.30		6.09
Alpena	Monongahela																																
Benson	do			.40	.46		.56			.35	.20	.68			.60		.60	.06	.38		.30	1.12	.10					.20			.04		6.05
Bens Run	Ohio			.20	.95		1.22	.01		.38	.51				.97	.29		.14	.14			1.79		.04				2.44		.08	.85		10.01
Brownsville	Monongahela			.04	.21	.30	.36	.21		.12	.20	.29				.40			.82				1.97						.05		.20		5.17
Buckhannon	do		.48	.20	T.		.40	.19		.11		.34			.65	.19		.12	.94	T.		2.05						.06	.04	T.	.07		5.84
Cairo	Litl.Kanawha			1.27				1.25			.24	.35				.10						2.80	.92					.10	.35		.20		7.58
Clarksburg ‖‖	Monongahela				.23	.09	.11	.15			.34	.62				.61		.03	.25			.39	.50						.56		.03		3.91
Crawford	do			.07	.06	.02	.03	.11		.09	.20	.35			.97			.28	.65			3.08							.02		.17		6.10
Creston ‖‖	Litl.Kanawha	.03	.16		.63	.05	.12	.07			.19	.18		.03	.41			.47				.08	1.19						1.54		.37		5.52
Dam 10, Mon. R. ‖‖	Monongahela				.18	.01	.02	.10			.29	.85				.65	.01		.22			.25	.59						.34		.02		3.53
Dam 13, O. R. ‖‖	Ohio				.25	.04	.22	.30			.53	.54				.58		.13	.52			.90	1.26						.10		.25		5.62
Dam 15, Mon. R. ‖‖	Monongahela				.02	.03	.04	.17			.11	.85				1.11	.08		.10			.30	1.12						.26		.01		4.20
Davis ‖‖	do				.41		.41				.53	.74				1.00			.50			.10						T		T.	T.		3.69
Elizabeth (D'm 3 LK)	Litl.Kanawha		T.	T.	.05	.05	.42			.12	.22			T.	.60			.30			.17	2.58						3.80		.24	T.		8.55
Elkins***	Monongahela	.50	.03	.07	.07	.05	.22	T.		.01	.37	.04		T.	.76			.20	.48			1.12						.02	.11	T.	.06		4.11
Fairmont ‖‖	do	.01		.03	.05	.07	.18			.08	.72				1.74	.27	.02	.08	T		.36	1.21						.38		.02			5.22
Glenville ‖‖	Litl.Kanawha			.07	.18	.10	.29	.20		T.	.83	.23	T.	.04	T.	.42		T.	.58	.06		.17	3.86						1.12		.31		8.46
Grafton	Monongahela		.09	.26	T.	.10	T.	.52		.05	.35	.30			.01	1.32		.05	.03	T.		1.35	.01					.37	.92		.12		5.85
Hackers Creek	do			.32		.21	.20	.18		.11	.30	T.			.94				.10		.25	.92	.09					.10		.03	.11		3.86
Hastings	Ohio			.05		.23	1.20	.20			.38	.77			T.	1.22		.02	.09			.68	1.04					.60	.32		.30		7.10
Horner	Monongahela			.35	.30	.25	.15			.20	.20	.20		.20	.15		.55	.15	.25	.10		.40	2.50					.15			.21		6.31
Ireland	do			.89	.12	.05	.09			.29	.07		.38	.07	.68		.78			.14		3.32	.06					.74			.29		7.97
Jackson's Mill	do																																
Jane Lew	do				1.02	.10	.30	.25		.15	.20	.38				.67			.58			1.35	.70								.10		5.80
Lost Creek	do			.18		.11	.03	.12		.36	.04				1.11	.04	.03	.06	.08			1.06	.06					.05	T.	T.	.17		3.50
Mannington	do			.08	T.	.10	.41	.21		.27	.35	.46			.76	.51	.11	.42	.02			1.95	.04					.70	.05		.07		6.51
Morgantown	do				.55			.50		.25	.75					.75			.35			1.00						.40			.02		4.57
New Cumberland	Ohio			.01			.17	.13		.06	.80	.14			.10	.01		.44	.02	.02		1.56	T.					.01					3.47
New Martinsville	do					.16	.24	.22		.08	.30	.30			.55	.25		.20	.55			1.62	.12					.88			.40		5.87
Parkersburg* **	do			.66	.33	.10	.68			.12	.34			T.	.05		.09	.25	.01			2.16	.01					.01		.13	.41		5.35
Parsons	Monongahela	*	.72	*	.43						*	.43			*	*	1.00	.50				.52						T.	.01	T.	.29		3.90
Parsons No. 2	do		.79	.24	T.	.03		.15		.24	.09	.14			T.	1.04		.20	.36			.51	.10					.10		T.			3.99
Philippi ‖‖	do		.24		.10	.25	.16	.12			.32	.23			.06	1.57	.07		.51			.17	.40						.16				4.36
Pickens	do			.25	.39	.33		.15		.35	.20	1.05				2.25		.08	1.60	.03		2.10	.30					.75	.30				10.13
Roanoke	do				.05	.70	.30	.07		.07	.23	.27				.63	.09		.43				3.80						.15		.13		6.92
Rockford	do			T.	.49		.28		.19	.49	.10	.33			.44	.28	.05	.16	.10			1.03	.05					T.	.14	T.	.10		4.23
Saint Marys ‖‖	Ohio				.48	.68	.38	.75			.08	.46				.49		.02	.26			.63	1.33						1.05		.33		6.94
Terra Alta	Monongahela		T.		.20			.50			.70	1.10				1.10	.50		.40	.30			.60						.80		T.		6.20
Thomas ‖‖	do		.09		1.09	.10		.15	.01		.36	.34	.01			1.36			.88			.10	.77						.31		.08		5.65
Valley Chapel	do				.12	.25	.14	.15		.20	.19	.40				.48	.05	.05	.05			.18	2.22					.01	.04		.03		4.56
Vandalia	do			.65	.59						.33	.54			.28	.46		.23	.86			3.01						.12			.26		7.33
Wellsburg	Ohio	T.		T			.22	.40			.65	.07			.88			.80				1.73	.02								.13		4.90
West Milford	Monongahela			.22				.25	.35	.30	.80				.85				.40			1.50			.50						.15		5.32
Weston ‖‖	do			.05	.40	.35	.34	.25			.28	.39				.48	.02		.46			.17	1.92						.08		.15		5.34
Wheeling (Dam 12) ‖‖	Ohio			T.	T.	.02	.36	.51			.55	.46				.43		.05	.43			.87	1.95					1.43			.12		7.18
Woodlands ‖‖	do		.06	.03		.10	.29	.38			.10	.57				.85		.11	.62			.70	1.78						.16		.30		6.05
Southern Division																																	
Arbovale ‖‖	Gr. Kanawha				.09	.15		.11		.52	.10					.44		.14	.03	T.		1.18						.14					2.90
Bancroft	do		.05								.20	.29				.68		.17	.45	.35			.78						1.32		.21		4.50
Beckley	do		.06	.74		.08	.12	.33		.25	.32	.13				.44		.06	.42		.82							.10	.49		.30		4.66
Bluefield	do		1.55	1.07	.05			.61	.11	.07	.21	.09				.81	.12	.22	.15				.76						.10		.19		6.14
Camden-on-Gauley ‖‖	Gauley		.40		.02	.32	.02	.18			.16	.42				.39			.19	.15			1.50						.74		.08		4.57
Charleston	Gr. Kanawha	.30	.10		1.30	.50	.12			.04	.17				.45			.07		.02		.81					.31			.45	.26		4.90
Charleston No. 2	do		.26	T.	1.18		.12	.12			.04	.13			T.	.42		.09	.55	T.			.74						.29		.44		4.38
Clay ‖‖	do		.30		.32	.29	.24	.22			.12	.22	T.		.02	.32		T.	.21	.48			.67						.76		.01		4.18
Dam 6 G. K. ‖‖	do		.06	.04	.54	.12	.06	.06			.29	.06							.49				.74						.17		.18		2.81
Dam 19 O. R. ‖‖	Ohio			.12	.26	.16	.08	.91			.06	.51			.01	.08		.05	.42			.34	1.93						.05		.70		5.68
Dam 20 O. R. ‖‖	do			.38	.28	.22	.08	.18			.10	.30				.18		.14	.15			.03	1.90						T.		.40		4.34
Dam 25 O. R. ‖‖	do				.33	.55	.12	.62			.26	.26			.02	.38		.17	.26			.01	.91				.06		.31		.54		4.80
Gary ‖‖	Big Sandy			.78	.25		.01	.37	.01		.35	.19				.47	.24	.02	.03	.26			1.38						.14				4.50
Hinton ‖‖	do		.12	.43				.17			.40	.07				.30	.01	.01	1.05	.90			.44						.36				4.26
Hogsett	Ohio		.08		.02	.27	.03	.07			.29	.45				.59		.05	.52				.73						.01		.59		3.70
Huntington	do	T.	T.	T.	.03		.12	.04		.24	.82	T.				.07		1.08	.68			.12	.38		T.	.19		.31			.24		4.32
Kanawha Falls ‖‖	Gr. Kanawha		.05	.05	.40	.04		.19	.19		.25	.20				.10		T.	.50	.10			.85								T.		2.92
Kayford ‖‖	do		.08	.06	.11	.15	.20	.10	.09		.24	.35	.03			.20			.48	.68			.80						1.04				4.61
Lewisburg	do			.17				.23	.02		.04	.05				.32		.04	.09				.21					.13	.05		.21		1.56
Logan ‖‖	Guyandotte		T.	1.03	.01	.30	.05	.62	.10		T.	.53	T.			.17	T.	.11	.31	.15			.86						T.		.56		4.80
London	Gr. Kanawha		.07	.41	.54	.07	.48	.28	.01		.11	.31				.36			.70	.23			.73						.08				4.38
Madison	do	.59	.23	1.60		.53	.32			.24	.35				.15		.07	1.10	.22			1.19						.21		.35			7.15
Marlinton	do					.09			.03		.90	.03				.16		.19	.73	.08			.65						.17		.04		3.07
Point Pleasant ‖‖	Ohio				.11	.13	.09	.57			.31	.29				.39		.15	.15			.02	.67				.07		.58		.59		4.12
Rainelle	Meadow Creek		.01	.47	.12	.15		.07	T.	.23	.07	.20				.65		.21	.19	.01	T.		.65	T.				.70	.15		.09		3.97
Ravenswood (Dam 22	Ohio ‖‖				.23	.04	.13	.18			.20	.17			.03	.06		.20	.27			T.	.57						.94		.50		3.52
Richwood	Gr. Kanawha				.05			.39			.29	.19					.20	.20	.35	.32		.05	1.08	.01				.07	.27		.21		3.68
Robertsburg ‖‖	do		.02		.18	.31	.28	.32			.13	.36				.53		.08	1.30				.76						.35		.81		5.43
Ryan	do		.01	.83	.05		.28			.01	1.01	.05			1.27	.03		.70	.26			.46						1.00		.09	.70		6.75
Sharples ‖‖	Coal River	.40	.28				.23	.97				1.18				.52			.48					1.48									5.54
Spencer ‖‖	Gr. Kanawha				.06	.23	.13	.02			.15	.38			.04	.27			.90			.01	.65	T.					.45		.33		3.62
Summersville ‖‖	do				.22	.02		.46	.04			.42					.26		.54				1.24						1.25				4.45
Sutton	do			.15				.20			.25	.50				1.15		.25	.75				1.80					.10	.15		.35		5.65
Thornwood ‖‖	do			.32							.45				.14				.87	.13		1.09									.11		3.11
Union	do			.06				.32			.06	.04				.54			.12	.17			.25				.03		.21				1.80
Wayne ‖‖	Big Sandy		.21	.05	.11	.04	.62	.11			.22	.44				.42		.32	1.82				1.18				.06				.13		5.73
White Sulpr. Spgs. ‖‖	Gr. Kanawha							.05							.35	.05						.60						.10			.10		1.25
Williamson ‖‖	Big Sandy		.04	.04	.35	.02	.40	.70	.03		.01	.65				.34		.44	.28	.06			.18						.87		.58		4.99

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for June 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	85	84	78	77	86	80	75	77	83	78	73	75	80	82	77	77	78	78	75	80	75	76	78	81	73	82	81	77	75	75	....	78.4
	Minimum	52	57	60	50	52	60	57	45	40	52	53	43	60	50	60	53	64	57	60	55	63	55	45	40	43	53	60	62	44	46	....	53.0
Brandywine	Maximum	92	90	82	82	87	85	86	82	80	78	75	80	87	88	90	82	83	84	82	86	85	81	80	85	86	90	89	85	80	75	....	83.9
	Minimum	53	52	60	60	52	58	59	50	48	60	54	51	51	56	57	56	54	57	56	57	56	54	50	50	50	54	60	54	52	50	....	54.4
Kearneysville	Maximum	96	91	84	82	89	89	87	84	89	85	76	81	84	92	87	83	79	82	80	84	74	81	80	84	88	91	80	85	83	76	....	84.2
	Minimum	61	69	66	58	64	68	65	60	55	64	56	51	55	54	62	59	63	64	62	60	70	57	53	52	55	60	66	65	66	60	....	60.7
Martinsburg*	Maximum	101	94	88	84	94	94	88	84	90	85	80	85	88	96	92	85	82	82	82	86	78	82	85	88	92	92	78	88	85	..	....	87.2
	Minimum	65	70	67	60	60	65	70	65	65	64	55	57	55	55	66	64	65	65	65	65	66	58	55	55	58	62	68	65	56	60	....	62.2
McNeill	Maximum	96	94	88	83	93	88	84	85	88	84	87	82	89	91	85	82	86	83	81	88	80	80	83	86	90	88	88	83	82	71	....	85.6
	Minimum	56	60	60	57	59	78	56	50	44	61	54	44	45	58	57	58	66	59	60	60	62	55	47	47	48	55	52	67	48	55	....	56.2
Piedmont	Maximum	92	86	88	83	88	86	80	81	83	77	75	80	83	87	80	82	76	81	77	83	76	77	80	81	83	87	85	82	77	71	....	81.5
	Minimum	60	64	63	59	60	62	64	54	50	64	56	50	49	60	62	60	64	62	63	62	64	60	53	48	53	60	67	65	52	54	....	58.8
Romney	Maximum	95	95	84	79	92	88	82	84	90	76	79	81	89	90	84	81	80	82	82	86	78	78	79	85	90	89	87	81	81	70	....	83.9
	Minimum	60	63	66	57	62	66	62	55	50	62	56	51	49	65	61	61	65	64	63	63	66	62	51	49	53	60	62	69	54	58	....	59.5
Upper Tract	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Wardensville	Maximum	93	90	86	81	91	87	82	80	83	84	73	78	83	90	84	83	83	79	79	85	78	77	79	84	88	86	88	81	80	71	....	82.9
	Minimum	55	62	61	52	62	62	60	52	50	67	56	47	50	61	62	60	56	61	58	63	64	60	51	46	57	61	65	68	51	55	....	57.8
Northern Division																																	
Bens Run	Maximum	93	92	80	84	91	86	81	83	89	72	77	82	85	88	85	89	82	82	78	87	81	82	85	84	85	91	82	85	85	76	....	84.1
	Minimum	65	68	66	61	62	66	66	56	59	61	69	56	57	66	64	62	68	66	64	62	67	68	59	57	58	64	69	64	60	60	....	63.0
Buckhannon	Maximum	88	85	82	82	86	82	80	79	82	78	72	74	83	85	78	82	80	79	74	80	80	76	76	80	82	80	87	78	79	70	....	80.0
	Minimum	60	62	64	64	58	65	62	52	51	62	55	50	49	64	59	56	64	62	62	56	64	58	56	50	55	60	64	64	59	53	....	58.7
Cairo	Maximum	94	94	92	88	88	86	91	80	89	88	69	77	89	87	88	87	89	83	83	..	85	80	84	84	85	87	91	90	84	84	....	86.1
	Minimum	57	59	62	56	62	66	59	52	52	61	58	52	50	50	63	57	65	65	62	..	58	57	52	52	60	63	72	63	56	57	....	58.7
Clarksburg *	Maximum	90	88	80	82	90	84	79	81	85	71	74	79	84	86	80	85	81	81	80	85	80	78	80	85	88	86	84	81	80	73	....	82.0
	Minimum	59	63	66	63	58	64	62	52	51	64	52	52	51	62	62	57	66	63	62	59	61	55	52	52	57	62	64	65	57	54	....	58.9
Creston	Maximum	95	90	91	91	89	90	89	89	90	86	83	83	83	90	89	90	89	86	86	86	85	85	85	85	85	91	89	86	85	85	....	87.5
	Minimum	60	62	61	65	59	69	63	52	53	54	55	51	51	60	61	59	65	65	60	58	55	55	52	52	50	61	65	60	55	53	....	58.0
Elkins	Maximum	86	84	78	78	86	80	73	76	84	73	67	74	80	84	78	81	78	76	73	83	79	73	74	81	84	82	82	77	75	65	....	78.1
	Minimum	57	60	65	61	57	62	59	51	48	59	54	52	49	61	60	56	62	61	58	56	63	57	52	47	52	61	65	58	54	52	....	57.0
Fairmont	Maximum	93	91	81	84	92	88	81	84	86	72	77	80	86	89	79	85	83	83	79	88	77	79	81	86	90	86	83	82	81	73	....	83.3
	Minimum	63	67	67	62	60	66	65	53	54	65	57	54	53	60	63	59	67	65	63	60	64	58	54	52	57	66	69	67	58	57	....	60.8
Glenville	Maximum	95	95	93	87	93	92	89	84	83	71	72	81	84	89	88	88	89	83	80	88	89	81	81	84	81	91	90	83	82	84	....	85.7
	Minimum	61	64	63	67	62	66	64	55	53	64	58	54	53	63	63	60	68	65	64	60	67	51	55	56	61	64	67	63	59	57	....	60.9
Grafton	Maximum	92	88	78	82	82	86	80	78	84	70	76	78	82	87	77	87	84	85	89	84	90	82	85	85	89	93	90	81	88	81	....	83.8
	Minimum	58	55	56	60	58	65	62	53	51	63	56	52	49	64	71	59	63	63	62	58	65	56	51	49	54	62	66	66	54	53	....	58.5
Lost Creek	Maximum	90	87	86	82	90	89	82	80	84	73	78	79	83	86	80	83	77	79	75	80	80	79	75	82	80	81	81	80	77	74	....	81.1
	Minimum	59	62	65	65	56	64	61	50	50	65	51	53	50	65	61	57	65	63	61	58	65	55	50	49	56	60	63	65	58	52	....	58.5
Mannington	Maximum	87	84	82	77	85	82	79	77	81	72	72	74	80	83	76	81	78	79	74	80	79	76	76	80	82	83	81	78	77	74	....	79 0
	Minimum	59	63	63	59	59	63	63	52	51	63	51	50	49	62	61	57	64	63	59	59	66	55	52	50	56	64	67	65	55	56	....	58.5
Morgantown	Maximum	90	90	90	89	88	90	84	86	85	70	75	85	88	86	82	81	82	80	85	80	80	81	80	82	81	85	82	80	80	80	....	83.2
	Minimum	54	53	54	55	57	62	64	63	62	53	55	60	59	51	60	62	64	64	60	53	57	56	60	50	59	60	58	60	60	51	....	57.9
New Cumberland	Maximum	95	93	91	79	92	88	84	82	91	76	76	80	81	84	82	88	82	77	76	85	85	78	81	87	90	87	85	85	84	75	....	84.0
	Minimum	62	57	58	42	61	66	60	50	53	58	50	49	50	64	59	51	65	64	60	57	65	54	50	51	59	66	54	54	53	51	....	56.4
New Martinsville	Maximum	94	90	80	85	91	89	84	83	87	74	78	80	84	88	80	88	81	78	78	85	81	81	82	82	85	89	88	84	82	73	....	83.5
	Minimum	63	67	67	59	61	66	66	55	56	63	58	55	53	66	64	61	67	67	63	65	67	57	57	55	63	67	69	65	60	57	....	62.0
Parkersburg	Maximum	92	90	79	83	89	87	79	83	86	76	75	78	85	88	81	87	80	80	75	85	82	81	78	82	84	89	86	82	80	73	....	82.5
	Minimum	68	69	67	63	63	66	63	53	59	58	58	52	55	68	66	63	68	66	63	60	67	61	59	57	65	65	69	64	61	58	....	62.5
Parsons	Maximum	91	90	81	81	92	85	78	83	85	70	76	80	85	86	82	81	83	81	81	83	80	76	79	88	88	90	83	86	80	71	...	82.5
	Minimum	64	61	65	60	59	65	60	54	49	53	49	53	49	50	60	60	60	60	60	60	60	56	54	49	55	54	65	65	55	55	....	57.3
Pickens	Maximum	84	82	78	77	76	..	66	74	82	69	62	74	80	83	74	80	82	70	68	79	75	70	72	78	80	80	78	72	73	67	....	75.3
	Minimum	56	51	58	60	60	..	58	46	47	62	49	49	45	56	56	48	54	59	55	51	59	53	46	47	49	54	60	60	51	50	....	53.4
Wellsburg	Maximum	91	88	80	84	92	87	80	82	87	75	77	81	83	85	81	85	81	75	77	84	81	80	80	86	90	87	81	84	81	73	....	82.6
	Minimum	60	59	63	52	59	62	62	49	51	60	51	46	46	62	60	55	66	64	63	56	67	54	50	50	59	66	67	60	53	51	....	57.4
Weston	Maximum	93	95	90	88	94	88	88	85	88	76	74	80	87	90	89	88	85	84	84	88	88	81	82	86	90	89	86	85	85	80	....	86.2
	Minimum	61	62	64	66	59	68	57	54	53	66	58	54	52	67	62	60	68	64	64	59	66	58	53	53	65	62	66	60	59	56	....	60.6
Wheeling(Dam I2)	Maximum	91	87	78	84	90	85	84	81	87	69	77	79	83	86	80	89	80	76	77	83	77	80	82	85	89	87	86	84	82	74	....	82.4
	Minimum	65	63	68	57	61	69	65	55	57	64	55	52	51	51	64	61	67	66	64	59	63	57	55	55	64	69	69	64	60	58	....	60.9
Southern Division																																	
Beckley	Maximum	87	88	81	83	86	83	78	77	82	76	67	78	82	85	79	83	78	76	74	77	76	74	78	81	81	84	86	77	77	73	....	79.6
	Minimum	55	56	58	60	57	61	58	49	50	61	55	43	48	60	49	54	64	62	61	60	59	52	53	47	55	57	58	60	50	48	....	55.3
Bluefield	Maximum	88	85	76	82	85	..	85	78	80	75	73	..	..	85	83	80	75	70	75	..	82	80	76	80	78	81	..	83	..	75	....	79.6
	Minimum	56	59	59	60	60	..	58	56	55	63	56	..		47	59	56	64	60	61	..	54	60	52	54	57	61	..	61	..	52	....	57.5
Charleston	Maximum	94	92	80	89	91	91	80	83	89	75	66	81	89	91	86	89	85	84	76	86	87	82	85	85	84	90	86	84	86	61	....	84.2
	Minimum	5·	57	57	58	57	65	69	51	50	59	53	47	52	49	54	54	66	58	56	59	54	55	60	55	55	57	59	62	53	52	....	56.3
Gary *	Maximum	90	89	89	89	86	91	85	76	80	87	81	73	80	85	89	81	88	82	80	..	87	85	78	80	83	83	87	87	79	80	....	83.8
	Minimum	58	61	62	64	60	64	64	60	53	62	62	54	52	60	63	61	65	62	65	..	61	63	55	57	61	65	65	66	55	54	....	60.5
Hinton *	Maximum	96	94	87	92	95	91	79	86	87	83	73	84	91	95	88	90	85	81	81	92	89	82	83	87	90	83	84	84	85	72	...	86.3
	Minimum	59	60	62	65	60	63	64	58	54	67	61	52	54	57	62	61	63	63	62	60	63	60	57	55	57	62	65	64	58	55	....	60.1
Huntington	Maximum	97	94	82	88	93	89	84	86	88	75	71	80	87	90	88	91	86	86	80	88	89	88	84	84	84	92	89	88	87	77	....	86.2
	Minimum	67	67	67	69	65	69	68	57	58	67	60	53	56	67	66	63	68	66	63	61	71	63	59	60	64	67	72	64	61	60	....	63.9
Lewisburg	Maximum	86	86	78	81	84	83	79	77	79	77	74	77	82	85	82	80	78	76	75	82	80	77	77	80	80	85	82	78	75	74	....	79.6
	Minimum	59	65	63	65	59	60	64	55	54	62	60	51	53	62	61	60	67	60	61	57	65	62	54	54	57	60	63	65	55	53	....	59.5
Madison	Maximum	94	92	81	89	..	90	79	..	88	76	70	82	86	90	86	90	83	83	82	87	88	82	80	85	85	90	89	83	84	72	....	81.6
	Minimum	..	..	..	..	..	..	..	..	..	..	55	55	61	62	63	66	65	64	62	66	62	59	59	63	67	67	67	59	59	57	....	61.9
Point Pleasant	Maximum	93	94	80	87	94	88	78	85	85	70	72	82	83	89	86	90	87	85	79	87	91	85	81	84	87	93	90	86	84	79	...	85.1
	Minimum	65	67	65	66	63	67	65	54	57	63	58	53	55	68	64	61	66	67	64	60	68	61	58	60	59	67	70	64	60	57	....	62.4
Rainelle	Maximum	88	87	88	84	86	82	74	79	83	76	66	78	84	86	79	87	80	76	86	85	83	76	76	81	83	84	86	77	70	70	....	80.7
	Minimum	51	57	56	62	55	60	58	50	44	56	54	47	45	51	56	58	61	58	56	51	56	60	48	46	51	56	58	54	48	47	....	53.7
Ravenswood	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	63	64	63	66	64	65	65	53	54	62	57	50	50	64	62	57	60	65	61	56	65	57	53	52	56	59	66	60	50	51	....	59.0
Richwood	Maximum	88	88	88	84	88	87	88	88	87	79	76	79	83	87	88	86	84	80	76	86	84	78	76	82	84	85	87	84	82	77	....	83.6
	Minimum	54	61	59	65	57	61	62	52	49	65	56	47	48	58	59	54	68	61	60	54	59	60	50	48	54	58	60	64	51	50	....	56.8
Robertsburg*	Maximum	94	90	82	89	92	90	82	85	89	72	74	82	86	92	85	89	84	82	84	88	90	82	80	81	85	93	89	84	82	78	....	85.2
	Minimum	65	65	65	66	62	66	66	55	55	65	59	51	53	60	64	61	66	66	60	66	67	61	57	59	61	63	69	62	60	60	....	61.8
Ryan	Maximum	90	90	88	80	88	85	75	80	85	75	70	80	85	85	80	85	74	80	85	85	75	80	80	85	88	85	85	80	78	75	....	81.9
	Minimum	59	61	60	64	58	62	62	49	49	50	46	47	49	61	59	56	59	63	58	55	64	64	56	50	60	60	64	59	54	53	....	57.0
Spencer *	Maximum	91	91	79	86	91	87	79	83	88	72	68	79	84	88	83	88	81	82	77	85	84	82	82	83	82	89	87	82	82	74	....	83.0
	Minimum	63	64	64	66	60	66	60	52	54	65	60	51	51	66	63	60	65	66	63	59	69	57	54	53	56	64	64	63	56	57	....	60.4
Sutton	Maximum	91	91	91	85	92	92	88	83	83	82	74	79	85	88	88	88	85	85	83	87	87	80	80	82	85	88	88	80	80	77	....	84.9
	Minimum	60	58	62	61	59	65	64	54	50	63	53	53	50	60	59	59	62	63	63	57	64	59	53	53	58	60	64	65	56	54	....	58.7
Union	Maximum	88	88	88	83	86	..	86	78	82	81	77	77	..	86	85	81	80	77	75	..	84	81	77	81	84	85	..	88	77	76	....	82.0
	Minimum	54	58	60	62	54	..	60	56	50	64	58	43	..	46	59	57	64	56	58	..	53	60	47	48	53	55	..	58	49	47	....	55.0
White Sulphur Spgs.	Maximum	89	89	84	82	91	81	81	83	82	84	71	80	81	84	83	82	83	84	82	88	83	78	80	81	86	83	87	80	77	69	....	82.3
	Minimum	57	60	62	54	60	61	56	47	59	59	48	45	49	59	50	61	58	58	51	57	59	49	48	52	58	52	62	51	48	45	....	54.5
Williamson*	Maximum	93	92	83	89	90	87	77	82	88	77	71	80	88	92	86	89	88	83	81	86	89	83	83	86	81	91	88	84	84	73	....	84.9
	Minimum	66	66	64	65	64	67	64	59	57	66	60	56	56	63	64	66	66	67	64	63	65	64	60	60	63	66	70	68	60	59	....	63.3

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.216	.255	.262	.118	.122	.178	.168	.176	.226	.041	.174	.106	.180	.191	.216	.124	.190	.083	.182	.100	.217	.069	.226	.190	.215	.202	.462	.179	.136	.294	....	5.49
	Wind movement	13	36	29	34	10	12	63	18	23	44	51	20	9	37	62	22	32	8	68	16	36	30	53	18	27	8	28	18	48	40	....	91

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., JULY 1937 No. 7

GENERAL SUMMARY

This was the coolest July since 1927, although the northeastern panhandle averaged above normal. Generally the highest temperatures were in the 90's, and occurred on the 10th, also on other dates near the middle of the month. These temperatures were offset by cool nights and by cool periods at the opening and close of the month.

Rainfall was less than normal and was spotty over the southern section causing drought conditions in scattered localities, and more than normal amounts over the south-central district. Only about one half the normal amount of rain fell over the panhandle and over the southwestern district. Showers occurred generally over the state the first week, and the 26th, but most of the rain occurred in showers from the 10th to 20th. With abundant sunshine, the month was generally favorable for crop growth, with rain being needed over the panhandle, and locally over the southern district.

On the 10th, a heavy rainstorm occurred east of Wheeling causing a flood in the Middle and Little Wheeling Creeks, resulting in considerable damage to houses, outbuildings, cars, and trailers located in the valleys. Another rainstorm occurred at Wheeling on the 17th but little or no damage was reported.—*W.A.B.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 72.8°, or 0.5° above normal; for the northern division, 72.4°, or 0.8° below normal; for the southern division, 72.4°, or 1.2° below normal; and for the State, 72.4°, or 0.7° below normal. The highest monthly mean temperature was 78.4° at Martinsburg and the lowest, 66.0° at Pickens. The highest temperature was 101° at Martinsburg on the 16th and the lowest was 37° at Bayard on the 28th, making the monthly range for the State, 64°. The greatest daily range was 50° at McNeill on the 28th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 2.11 inches, or 1.63 inches below normal; for the northern division, 3.79 inches, or 0.89 inch below normal; for the southern division, 4.79 inches, or 0.26 inch above normal; and for the State, 3.96 inches, or 0.61 inch below normal. The greatest monthly precipitation was 7.96 inches at Richwood and the least, 1.07 inches at Kearneysville. The greatest amount in any 24 consecutive hours was 3.35 inches at Point Pleasant on the 12-13th. The average number of days with .01 inch or more of precipitation was 12, or 2 more than normal.

LIGHT HAIL

Light hail fell in sections of Brooks and Roane Counties on the 17th and Randolph County on the 31st.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

THUNDERSTORMS: Reported somewhere in the State each day except the 7th, 19th, 21st, and 27-30th, being most prevalant on the 10th, 11th, 12th, 13th, 14th, 16th, 17th, 25th and 31st.

FOGS, DENSE: 1st, 3; 2d, 2; 3d, 1; 4th, 1; 5th, 1; 6th, 7; 7th, 4; 8th, 2; 9th, 2; 19th, 5; 20th, 2; 21st, 2; 22d, 7; 23d, 2; 24th, 2; 25th, 2; 26th, 1; 27th, 4; 28th, 5; 29th, 3; 30th, 2; 31st, 2.

SOLAR HALO: 31st, 1.

HIGH WINDS: Berkeley and Hardy Counties on the 11th and 12th.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.00	30.20	10	29.79	25	5.8	24	sw.	25	80	55	62	79
Columbus, Ohio	29.99	30.19	10	29.76	16	7.7	30	w.	25	76	49	58	71
Elkins	30.03	30.27	28	29.82	15	4.8	21	nw.	10	91	59	66	60
Parkersburg	29.98	30.21	10	29.78	15	5.1	24	sw.	14	83	52	64	73
Pittsburgh, Pa	30.00	30.22	10	29.70	16	8.7	42	nw.	16	81	53	63	71
Wytheville, Va	30.04	30.23	9	29.87	16	5.2	20	sw.	16	85	58	70	50

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	67.5	......	......	5.08	6.57	3.50	5.59	......	......	......	......	......
1892	73.4	98	41	3.60	4.44	3.92	4.20	......	9	......	......	......
1893	73.8	98	42	4.40	2.90	2.74	2.96	......	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	......	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	......	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	9.07	......	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	......	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4 46	......	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	......	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	......	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	......	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	......	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	......	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	......	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	......	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	......	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	......	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	......	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	......	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	......	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	......	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	......	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	......	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	......	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4 63	......	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	......	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	......	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	......	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	......	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.....	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	......	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	......	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.....	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	......	11	16	9	6
1925	72.2	102	31	3.55	5.93	4.31	5.05	......	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	......	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	......	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	......	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	......	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	1.90	......	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	......	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	......	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	......	10	15	9	7
1934	77.5	107	40	3.68	4.47	4.97	4.56	......	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	......	11	14	11	6
1936	75.2	112	35	4.92	5.58	4.49	5.10	......	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	......	12	14	11	6
Period	73.2	112	31	3.74	4.68	4.53	4.57	......	10	15	10	6

Climatological Data for July 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panh	*andle Division*																			
Bayard	Grant	2,375	36	67.0	−0.6	88	†8	37	28	43	2.57	−1.67	0.70	0.0	11	23	6	2	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	70.6	−.7	94	9	42	28	42	1.95	−1.62	.70	.0	6	24	1	6	sw.	Elmer Keister
Circleville	Pendleton	...	5	...	...	...	...	...	...	...	2.78	...	.38	.0	13	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	...	...	...	...	...	...	...	1.94	...	.60	.0	14	...	...	...	...	Eleanor White
Kearneysville	Jefferson	548	7	75.0	...	96	15	50	28	35	1.07	...	.40	.0	6	17	11	3	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	[a]78.4	+2.7	[a]101	16	55	2	[a]35	1.18	−2.44	.22	.0	14	24	7	0	w.	Dr. H. S. Gardner
McNeill	Hardy	900	41	72.4	+.8	96	9	40	28	50	2.61	−.42	1.03	.0	9	11	12	8	w.	R. E. Saville
Piedmont	Mineral	1,053	24	72.7	+.4	93	10	47	28	42	3.01	−.47	1.12	.0	8	13	16	2	se.	C. A. Suter, Jr.
Romney	Hampshire	824	39	73.9	−1.0	97	11	46	28	41	2.10	−1.38	.52	.0	12	12	19	0	...	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	...	...	...	...	...	...	...	1.79	−2.35	.77	.0	11	9	8	14	w.	A. C. Beeker
Wardensville	Hardy	1,200	16	[a]72.1	+1.5	[a]95	9	45	28	[a]41	2.25	−.85	.85	.0	8	16	12	3	...	Reymann Memorial Farm
Division averages	and extremes	...	...	**72.8**	**+.5**	**101**	**16**	**37**	**28**	**50**	**2.11**	**−1.63**	**1.12**	**.0**	**10**	**17**	**10**	**4**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	...	...	...	...	...	...	...	3.18	−1.61	.86	.0	14	7	21	3	w.	L. Else Bond
Alma (near)	Tyler	800	10	...	...	...	...	...	...	...	4.97	+.88	1.89	.0	11	11	12	8	...	D. N. Furbee
Alpena	Randolph	2,571	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Christian Hertig
Benson	Harrison	1,080	13	71.6	−.9	92	†8	44	28	40	5.77	+.62	2.00	.0	11	15	15	1	...	R. D. Marts
Bens Run	Tyler	652	35	75.6	+.5	95	†9	52	†1	33	3.12	−1.41	.84	.0	12	24	7	0	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	[f]72.7	−1.1	93	10	[j]43	14	[j]47	3.86	−.94	.74	.0	17	7	24	0	...	W. B. Worley
Buckhannon	Upshur	1,411	40	70.2	−1.6	89	†10	46	†2	32	2.83	−1.89	.50	.0	14	18	13	0	...	H. A. Darnall
Cairo	Ritchie	680	36	[g]72.2	−2.1	[f]94	26	[g]48	†2	[g]38	4.93	+.51	1.68	.0	6	...	...	...	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	71.6	−2.2	93	8	47	†2	37	3.12	−.96	.86	.0	11	6	23	2	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	...	...	...	...	...	...	...	2.59	−2.55	.57	.0	12	14	14	3	sw.	George W. Blair
Creston	Wirt	640	35	73.4	−1.3	97	19	49	†2	41	3.76	−.46	1.21	.0	11	19	6	6	...	J. L. Ledsome
Dam 10 Mon. R.	Marion	826	16	...	...	...	...	...	...	...	2.91	−1.17	.72	.0	15	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	21	...	...	...	...	...	...	...	5.60	+1.24	1.36	.0	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Marion	882	16	...	...	...	...	...	...	...	3.08	−.85	.58	.0	14	...	...	...	...	Lockmaster
Davis	Tucker	3,093	28	...	...	...	...	...	...	...	2.92	−1.73	1.50	.0	5	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	25	...	...	...	...	...	...	...	3.14	−1.26	.75	.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	36	69.0	−1.3	88	9	45	2	34	2.77	−2.61	.76	.0	15	5	14	12	w.	U. S. Weather Bureau
Fairmont	Marion	883	31	74.0	−.3	95	†8	48	28	38	2.46	−1.94	.62	.0	15	18	10	3	w.	J. C. Robinson
Glenville	Gilmer	738	43	74.8	−.5	95	†9	51	2	35	4.79	−.08	.64	.0	13	19	4	8	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	73.4	+.8	98	†9	46	2	37	2.98	−1.10	.56	.0	14	12	17	2	...	L. W. Clayton
Hastings	Wetzel	809	2	...	...	...	...	...	...	...	3.62	...	.77	.0	12	12	11	8	w.	L. G. McIntyre
Horner	Lewis	1,044	14	...	...	...	...	...	...	...	5.04	+.24	1.58	.0	13	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	14	...	...	...	...	...	...	...	2.04	−2.90	.64	.0	10	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	39	70.0	−2.2	90	9	45	2	37	5.23	+.90	2.68	.0	10	15	11	5	w.	Allen Smith
Mannington	Marion	985	34	70.2	−1.6	88	10	47	†2	32	3.23	−1.56	.99	.0	14	14	11	6	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	70.7	−2.8	92	10	50	†2	42	2.42	−1.96	.55	.0	9	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	39	73.3	+.3	98	9	45	1	34	5.50	+1.42	1.78	.0	12	15	3	13	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	74.7	−.5	95	10	50	1	36	3.10	−1.39	1.45	.0	6	10	19	2	s.	Wm. Ankrom
Parkersburg	Wood	615	50	74.5	−.9	94	10	52	2	32	3.26	−1.03	1.29	.0	12	10	16	5	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	72.9	+2.1	94	†8	45	1	41	2.82	−2.27	1.28	.0	11	15	9	7	...	J. W. Swisher
Philippi	Barbour	1,550	40	...	...	...	...	...	...	...	3.32	−1.41	.80	.0	13	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	34	66.0	−2.6	89	17	42	2	35	5.70	−.34	1.12	.0	12	14	12	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	...	...	...	...	...	...	...	3.27	−1.62	.75	.0	14	15	10	6	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	...	...	...	...	...	...	...	4.15	−.01	.82	.0	13	...	...	...	...	Wm. Hughes
Terra Alta	Preston	2,559	36	...	...	...	...	...	...	...	5.50	+.26	1.30	.0	8	...	...	...	w.	Ernest Naedele
Thomas	Tucker	2,950	8	...	...	...	...	...	...	...	3.82	...	.76	.0	11	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	14	72.9	−1.1	92	†10	48	†2	34	2.76	−2.17	.57	.0	14	15	10	6	w.	J. C. Campbell
Vandalia	Lewis	1,120	14	...	...	...	...	...	...	...	2.38	−2.78	.46	.0	9	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	30	72.4	+.2	95	8	44	1	40	4.48	+.30	1.55	.0	10	19	11	1	...	George P. Pfister
West Milford	Harrison	979	12	...	...	...	...	...	...	...	4.44	−.21	1.35	.0	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	74.2	−.2	95	10	48	2	38	2.98	−1.44	60	.0	14	3	26	2	...	A. Henry
Wheeling (Dam 12)	Ohio	659	50	74.3	−.5	94	†8	50	†1	33	7.62	+3.32	2.20	.0	13	11	11	9	sw.	Lockmaster
Woodlands	Marshall	637	10	...	...	...	...	...	...	...	3.60	−.58	1.17	.0	11	9	13	9	sw.	R. W. Rist
Division averages	and extremes	...	...	**72.4**	**−.8**	**98**	**9**	**42**	**2**	**47**	**3.79**	**−.89**	**2.68**	**.0**	**12**	**13**	**13**	**5**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	...	...	...	...	...	...	...	4.40	−.31	.93	.0	14	11	17	3	w.	H. S. Sutton
Bancroft	Putnam	574	33	76.4	+1.7	98	†10	52	2	33	2.89	−1.28	1.07	.0	8	14	12	5	w.	Charles N. Long
Beckley	Raleigh	2,440	34	68.2	−2.4	88	†10	42	†2	41	5.61	+1.23	1.00	.0	16	10	17	4	...	L. A. Mauck
Bluefield	Mercer	2,558	42	[e]69.6	−2.0	[e]90	16	[e]45	2	[e]33	3.53	−.54	.86	.0	13	...	...	...	...	Norfolk & Western Ry.
Charleston	Kanawha	600	34	[b]71.7	−5.2	[b]95	9	[b]46	†2	[c]40	4.30	−.48	2.01	.0	7	23	0	8	...	S. E. Damron
Clay	Clay	706	21	...	...	...	...	...	...	...	3.84	−1.14	.92	.0	12	...	...	...	...	S. E. Woofter
Dam 19 O. R.	Wood	600	21	...	...	...	...	...	...	...	5.18	+1.25	1.48	.0	11	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	21	...	...	...	...	...	...	...	3.49	−.44	1.10	.0	9	...	...	...	...	Lockmaster
Dam 25 O. R.	Mason	565	10	...	...	...	...	...	...	...	4.13	−.74	1.38	.0	8	...	...	...	...	Lockmaster
Gary	McDowell	1,426	21	[a]72.6	−.5	[a]92	15	[a]49	3	[a]36	5.94	+1.01	1.09	.0	18	...	...	...	...	U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	74.0	−.4	97	10	51	†2	39	5.10	+1.03	1.85	.0	11	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	21	...	...	...	...	...	...	...	5.08	+1.20	1.77	.0	14	...	...	...	...	U. S. Engineers Office
Huntington	Cabell	538	40	76.8	+.2	94	†9	52	†2	33	5.01	+.71	1.36	.0	10	8	19	4	nw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	...	...	...	...	...	...	...	4.99	+.13	1.50	.0	12	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	21	...	...	...	...	...	...	...	5.56	+.39	1.00	.0	13	...	...	...	...	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	69.4	−1.6	87	16	49	28	29	5.09	+1.20	1.05	.0	14	5	13	13	...	J. K. Monroe
Logan	Logan	700	34	...	...	...	...	...	...	...	3.55	−1.38	1.27	.0	9	...	...	...	...	Paul A. Simonds
London	Kanawha	623	1	74.4	...	93	9	54	28	34	5.71	...	1.99	.0	10	13	0	18	se.	Lockmaster
Madison	Boone	675	16	[d]75.4	+.6	[d]94	9	[d]51	28	[d]36	2.70	−2.63	1.16	.0	8	21	6	4	...	C. B. Whitlock
Marlinton	Pocahontas	2,185	37	[e]70.4	+2.8	[e]91	†8	[e]44	28	[e]39	3.86	−.93	1.36	.0	12	6	19	6	...	M. B. Bruce
Point Pleasant	Mason	595	44	76.2	−.2	97	10	50	2	36	7.05	+2.91	3.35	.0	8	20	10	1	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	67.4	...	89	8	41	28	41	5.51	...	1.06	.0	19	15	1	15	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	73.4	−1.7	94	†10	47	2	42	5.73	+1.71	1.63	.0	12	11	9	11	sw.	Lockmaster
Richwood	Nicholas	2,193	7	68.6	...	89	†10	43	28	39	7.96	...	1.78	.0	19	8	20	3	sw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	75.9	+.5	97	23	51	†2	37	3.37	−.39	.58	.0	12	21	0	10	...	M. Frazier
Ryan	Roane	700	34	70.8	−2.3	90	†8	45	28	38	7.32	+2.72	1.74	.0	14	14	13	4	...	Wm E. Ryan
Spencer	Roane	789	33	73.8	+.2	94	10	49	2	34	6.71	+2.47	1.19	.0	14	12	13	6	...	A. M. McKown
Summersville	Nicholas	1,894	4	...	...	...	...	...	...	...	4.62	...	.98	.0	9	...	...	...	...	Daisy Butler
Sutton	Braxton	850	31	73.0	−1.8	94	†10	48	†2	36	5.05	−.28	1.60	.0	11	20	0	11	...	C. B. Eakle
Union	Monroe	2,250	33	[d]68.6	−3.0	[d]88	†9	[d]44	28	[d]38	5.22	+1.43	2.43	.0	14	...	...	...	...	C. B. King
Wayne	Wayne	598	10	...	...	...	...	...	...	...	2.67	−1.92	1.45	.0	7	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	27	69.5	−2.1	91	†16	42	28	37	4.80	+.88	.95	.0	10	17	12	2	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	75.7	−.4	94	†10	54	28	31	2.09	−2.34	.65	.0	7	19	10	2	nw.	J. E. Dotson
Division averages	and extremes	...	...	**72.4**	**−1 2**	**98**	**†10**	**41**	**23**	**42**	**4.79**	**+.26**	**3.35**	**.0**	**12**	**14**	**10**	**7**	**sw.**	
State averages and	extremes	...	...	**72.4**	**−.7**	**101**	**16**	**37**	**28**	**50**	**3.96**	**−.61**	**3.35**	**.0**	**12**	**14**	**11**	**6**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for July 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac			.15	.02							.25	.70	.07	.61	.12		.04	T.		.05					.11						.45	2.57
Brandywine	do					.35								.20	.35		.25				.70					T.	T.			.10			1.95
Circleville ‖	do	.27		T.		T.	.19	.12		.17		.38	.14		.13	.18		T.	.22	T.	.31	.28					.32	.07					2.78
Harpers Ferry ‖	do	.31		.03	.08	.02	.07	T.				.03	.60		.01	.10	.24	.04			.03	.30						.08					1.94
Kearneysville	do						.40						.15	.01	.06	.16					.29												1.07
Martinsburg ‖	do	.03			.02	.08	.17	.01				.03	.20		.07	.12			.09		.10	.22			.02	.02							1.18
McNeill	do	.12				T.	T.				.08	1.03		.13	.45	.36	T.	T.	T.		.26					.08						.10	2.61
Piedmont	do	.02		.34	.15							.26		.40	.70						T									.02		1.12	3.01
Romney	do			.17		.10	.05	.05					.08	.52	.26	.12			.22		.20										.10	.23	2.10
Stony River Dam ‖	do			.06			.18					.12	.77	.08	.10	.27			.05		.04	.10				.02							1.79
Upper Tract	do																																
Wardensville ‖	do				.10	.06	T.					.85	.02		.43	.51					.08	.20											2.25
Northern Division																																	
Aberdeen	Monongahela	.08		.17	.02	.86						.26	.05	T.	.12	.03	.24	.28	.19	T.	.04					.04	.80						3.18
Alma (near)	Ohio	.01		.40	.08	.64						1.89	.01		.48		.43	.50									.52					.01	4.97
Alpena	Monongahela																																
Benson	do	.12		.30		1.18				1.80	.20				.35		.15	.32	.30								.90					.15	5.77
Bens Run	Ohio				.40	.10			T.	T.		.42	.02	.03	.84		.25	.56							.09	.12	.22					.07	3.12
Brownsville	Monongahela	.06	.12		.02	.05	.03					.12	.01		.74	.28	.55	.39	.59	.10	.06						.65			.02		.07	3.86
Buckhannon	do	.05		.12	.06	.12						.29	T.	T.	.25	.30	.50	.10	.28	.05	.05						.33					.33	2.83
Cairo	Litl.Kanawha				.70	.93					.26		.68			1.68											.68						4.93
Clarksburg ‖	Monongahela	.06		.33		.07	.01					.66	.02		.17	.22		.63	.09								.86						3.12
Crawford	do	.07			T.	.21					.42	.33	T.		.40		.11	.23	.09	.08	.06			.02			.57						2.59
Creston ‖	Litl.Kanawha	.02			.08	.19			T.		.61	.35	.09	.73	.23	.02	T.	T		T						1.21						.23	3.76
Dam 10, Mon. R. ‖	Monongahela	.05		.39			.23					.72	.37	.18	.01	.06	.01	.13	.23					.19		.01	.31	.02					2.91
Dam 13, O. R. ‖	Ohio	.21		.60			.04					1.36	.13	.53	.63	.33	.44	.93	.03	.01						.20	.16						5.60
Dam 15, Mon. R. ‖	Monongahela	.03		.30	.58	.01	.19					.33	.55	.17	T.	.36	.02	.19	.11								.19	.05					3.08
Davis ‖	do			.11								.55	T.		1.50	.35		T.							T.	.41							2.92
Elizabeth (D'm 3 LK)	Litl.Kanawha				.75	T.					.50	.09	T.	.70	.07	T.	.43		T.							.60							3.14
Elkins***	Monongahela		.18		.01	.01	T.					.25	.18	.03	.20	.06		.31	.41	.01	.08	.03		.04	.02	T.	.19	T.				.76	2.77
Fairmont ‖	do		.23	.10	.02	.18					.29	.33	.05	.20	.10	.05	.15	.05					.10			.32						.29	2.46
Glenville ‖	Litl.Kanawha	.38				.96	.24					.53	.09	.04	.36	.42	.12	.51	.26		.24						.64						4.79
Grafton	Monongahela	T.		.20	.22	.26	.01					.49	.17	.05	.56	.06		.27	.08					.08		.04	.49						2.98
Hackers Creek	do					.35						.95	.45		.41	.39	.34	.13	.22								.65						3.89
Hastings	Ohio			.42		.90						.68	.80	.30	.11	.20	T.	.63	.18					.05			.77					.38	5.42
Horner	Monongahela			.10	.05	.25						.31	T.	.03	.43	.80	1.58	.16	.56	.12	.15						.50						5.04
Ireland	do				.06	1.04	.62				.58	.24	.10	.32		.67	.81	.46	.69					.41								.12	6.12
Jackson's Mill	do										.52			.39	.53		.27	.25	.22								.82						3.00
Jane Lew	do				.10	.20					.22	.01	T.	T.	.50		.09	.14	.10	T.		.04					.64						2.04
Lost Creek	do	T.		.30	T.	.06						2.68		T.	.22	.18	.40	.58			.02							.77				.02	5.23
Mannington	do	.02		.23	T.	.01						.99	.06	.08	.21	.13	.16	.20	.06					.05			.91					.12	3.23
Morgantown	do					.40	T.				.40	.10			.08	.19									.20	.40	.10					.55	2.42
New Cumberland	Ohio		.05	.04							.97	.81	.30	.02	.05	1.44	.50	.85					T.	.03		.44							5.50
New Martinsville	do			.35									1.45			.35		.42	.45					.08									3.10
Parkersburg***	do		.01	T.	.03	.16			T.		.48	.17	.01	.11	1.18		.48	T.							.01	.48	.14					T.	3.26
Parsons	Monongahela			.18		.26	T.					1.28		.15		.66		.28	T.	T.	T.		.02			T.	.05						2.82
Parsons No. 2	do			.24	.14	.05	.07					1.27	.24	.13	.54	.22	.15		.12		.06		.03	T.			.24					.22	3.72
Philippi ‖	do	.07		.40		.11	.04					.80	.07	.06	.53	.30		.32	.09		.03						.50						3.32
Pickens	do	.79			.20	.56		.06			.70				.47		.34	.05			.30		1.12		.31							.80	5.70
Roanoke	do	.07				.23	.07				.30	.55	.05		.75	.05	.55	.11	.03	.02	.01						.48						3.27
Rockford	do	.06		.28		.25	.03		.05			1.33	T.	.27	.06		.27	.59	.35		.05						.76						4.35
Saint Marys ‖	Ohio	.33		.30		.77	.16				.01	.09	.07		.82		.02	.69	.19							.56						.14	4.15
Terra Alta	Monongahela	T.		.40									1.30	.80	.80	.50	T.	.30		T.	.20			T.			1.20	T.					5.50
Thomas ‖	do	.02		.30									.76	.40	.54	.39		.16	.44			.08			.69		.04						3.82
Valley Chapel	do			.20	T.	.14	.02					.31	.02	T.	.45	.20	.27	.24	.13	.01	.05			.15			.57						2.76
Vandalia	do					.19						.42		.46	.24		.23	.31		.08	.08						.37						2.38
Wellsburg	Ohio			.34	.05						.84	.28		.33	.02	.65	1.55	.11								.31	T.						4.48
West Milford	Monongahela		.30			.10						1.35		.58	.22	.35	.45	.23	.19								.67						4.44
Weston ‖	do	.04		.12		.05	.10					.35	.05	.02	.29	.23		.41	.50	.10	.12						.60						2.98
Wheeling (Dam 12) ‖	Ohio	.07		1.05			.02					2.20	.26	.39	.27	.22	.52	1.88		T.				.03		.37	.34						7.62
Woodlands ‖	do	T.		.40		.04						1.17	.20	T.	.17	.03	.53	.68	.10					.16			.12						3.60
Southern Division																																	
Arbovale ‖	Gr. Kanawha	.07				.91			.78		.22	.13		.41	.18		.17		.03		.93				.08		.39				.05	.05	4.40
Bancroft	do						.10	.35				.07		1.07	.30		.15				.32					.53							2.89
Beckley	do	.12	.10		1.00	.93	.20					.26	.39	.07	.26		.22	.16		T.	.88	.07			.08		.27				T.	.60	5.61
Bluefield	do						.76	T.	.35				.03	.06	.07			.06		.48	.86	.08			.50		.22			.05	.01		3.53
Camden-on-Gauley ‖	Gauley	.40	.01			.44	1.47		.38				.62	.06	.80	.03		.57	.24	.08	.62	.02		1.00			.61	.04					7.39
Charleston	Gr. Kanawha				2.01	T.						.31	.91	.38			.17			T.	T.				.10	.42	T.						4.30
Charleston No. 2	do	.30				1.93	.55					.01	.27	.89	.43			.15			.04	T.				.11	.31						4.99
Clay ‖	do	.92				.24	.19					.17	.92	.10	.36	.28		.29			.30	T.					.05	.02					3.84
Dam 6 G. K. ‖	do	.15				1.54	.55						.06	.35	.15	.04		.25								.08	.35						3.52
Dam 19 O. R. ‖	Ohio	.33		T.		.03	.08					1.48	1.10	.19	.77	.03	.20	.25									.72					T.	5.18
Dam 20 O. R. ‖	do	T.					.05					.55	.20	.13	.88	.40	.02	.16									1.10						3.49
Dam 25 O. R. ‖	do					.12	.32			.25				.15	1.38			1.27				.44					.20						4.13
Gary ‖	Big Sandy	.23	.17			.41	1.00	.02	.31				1.09	.28	.23	.14		.05	.02		.22	.25				.41	.35	.01				.75	5.94
Hinton ‖	do	.20	T.			1.85	.06	.37					.07	.54	.12			T.			.62	.25				.57	.45						5.10
Hogsett	Ohio	.13			.72	.12	.16					T.	.10	.03	.49	.26		.60	.13		.02	.45					1.77					.10	5.08
Huntington	do				.55				T.			.37	.02	T.	.16		.85			T.	.05	1.22			.23	.20	1.36						5.01
Kanawha Falls ‖	Gr. Kanawha	1.00				.57	.05	.05	.12				1.50	.15				.50	.20		.45	T.					.20	.20					4.99
Kayford ‖	do	.80				.70	.15		.55			.22	1.00	.44	.01			.42			.60	.07					.44	.16					5.56
Lewisburg	do				.45	.02	.02	.75			.87	.43		T.	.85	.24	.03	.16		.01	1.05	.02								.19		T.	5.09
Logan ‖	Guyandotte	.29	T.	T.		.08	T.		.44				.23	1.27	.15			.08	T.		.20						.81						3.55
London	Gr. Kanawha	.98				1.99	.22		T.				.12	.29	.20			.48			.22						1.14	.07					5.71
Madison	do	.21			1.16	.01						.29	.41	.10			.23									.29							2.70
Marlinton	do		.05		.15		.01						.25		1.02	.02	.11	.06			1.36	T.			.58	T.	T.				.05	.20	3.86
Point Pleasant ‖	Ohio					.16	.12				.19			3.35	1.33			.55				.23					1.12						7.05
Rainelle	Meadow Creek	.25	.08		.65	.64	.03			.02		.66	.03	.13	.20	.01	.18	.04			1.06				.09	.10	.09				.73	.52	5.51
Ravenswood (Dam 22	Ohio ‖	.03				.05	T.			.27		.12	.25	.46	1.40	.15	.16	1.63				.33					.88						5.73
Richwood	Gr. Kanawha	.16	.09		1.31	.41	.02		.09			1.78	.02	.08	.80	.01	1.02	.17			1.35	.03		.02	.02		.28				.30		7.96
Robertsburg ‖	do	.01				.53	.37						.17	.58	.21	.45		.28	.09		.02	.09					.57						3.37
Ryan	do				.93	.18				.05		.90	1.74	.03	.68		.80		.18	.02	.18				.05		.27					1.31	7.32
Sharples ‖	Coal River																																
Spencer ‖	Gr. Kanawha	.02				.48	.06					.66	.60	.34	1.19	.58	.14	.78	.08		.02						1.16					.60	6.71
Summersville ‖	do	.60											.38	.66	.32	.29		.34			.98						.55	.50					4.62
Sutton	do	.10			.10		.10					.70	.80		.60		1.60		.15		.15						.40					.35	5.05
Thornwood ‖	do				.11	.34		.05	.07	.26										.17	.43					.55					.13		2.11
Union	do	.07				.75		.12	.03				2.43	.15	.54	.05		.06		.03	.60	.10			.09							.20	5.22
Wayne ‖	Big Sandy	.29			.16	.33						.07			.22							.15					1.45						2.67
White Sulpr. Spgs. ‖	Gr. Kanawha				.95	.80						.75	.20	.05	.40			.50		.55	.30	.30											4.80
Williamson ‖	Big Sandy	.55				.11								.07	.42			.02			.27						.65						2.09

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for July 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	67	70	75	79	74	80	85	88	88	88	85	80	85	83	85	85	80	76	75	73	78	82	82	85	88	80	71	80	85	85	80	80.5
	Minimum	47	40	55	52	57	60	52	60	61	60	60	63	65	63	60	70	54	58	44	48	49	53	48	48	50	60	46	37	42	45	48	53.4
Brandywine	Maximum	70	78	80	85	78	85	86	90	94	90	93	85	84	83	93	88	89	75	74	72	76	85	82	92	87	86	75	84	87	90	89	84.0
	Minimum	51	45	49	50	60	62	58	60	61	60	64	62	63	62	64	63	60	57	50	56	58	65	60	54	57	60	50	42	57	55	58	57.2
Kearneysville	Maximum	76	79	82	84	80	82	89	95	95	95	94	92	87	77	96	95	94	87	83	76	82	88	90	93	92	92	83	85	86	88	86	87.2
	Minimum	55	54	59	59	65	65	62	64	72	69	69	67	69	69	71	73	64	67	56	64	54	58	62	61	65	64	58	50	56	63	64	62.8
Martinsburg*	Maximum	80	80	83	88	85	86	94	100	99	100	98	95	92	80	99	101	97	82	85	85	86	90	95	98	96	93	98	90	88	93	..	91.2
	Minimum	58	55	60	62	62	66	64	66	78	77	78	69	73	71	72	75	68	57	58	67	57	56	65	63	68	65	63	68	64	65	65	65.6
McNeill	Maximum	74	77	84	85	79	85	92	95	96	94	94	91	88	88	95	94	91	85	83	76	84	87	92	94	92	86	81	90	91	92	94	88.0
	Minimum	44	45	59	56	65	65	56	56	61	61	64	64	66	66	64	67	59	62	48	60	53	49	52	53	55	64	48	40	49	56	55	56.8
Piedmont	Maximum	70	74	81	82	75	81	87	92	92	93	91	88	84	78	92	90	85	85	80	74	80	85	84	88	81	78	82	89	91	90	80	83.9
	Minimum	51	49	59	61	66	66	62	61	68	68	67	68	69	69	68	70	64	54	60	63	55	54	72	66	65	68	52	47	51	57	57	61.5
Romney	Maximum	72	72	71	81	80	86	91	92	94	95	97	91	90	88	93	92	86	86	80	79	84	80	87	94	92	85	80	87	90	93	90	86.4
	Minimum	54	50	57	59	67	66	63	62	68	67	67	67	69	69	68	73	66	65	54	64	57	54	57	58	62	69	53	46	52	61	60	61.4
Wardensville	Maximum	71	78	84	84	78	81	89	94	95	93	91	85	80	92	92	94	86	81	74	73	81	87	87	92	90	84	80	84	90	91	..	85.4
	Minimum	51	48	57	58	65	64	59	58	64	63	68	66	68	68	68	68	61	55	53	54	56	54	58	58	58	64	52	45	52	50	60	58.8
Northern Division																																	
Bens Run	Maximum	73	76	85	77	84	90	94	94	95	95	92	90	89	90	92	93	88	77	83	87	89	90	92	91	90	79	81	85	90	91	89	87.5
	Minimum	52	52	60	63	66	64	66	69	70	70	68	71	70	69	70	68	66	60	61	62	61	62	63	65	67	67	55	55	57	61	66	63.7
Buckhannon	Maximum	68	70	80	76	76	82	88	88	88	89	87	82	86	84	88	87	89	80	78	77	79	80	84	86	85	82	70	79	80	82	80	81.6
	Minimum	52	46	56	46	63	57	58	62	65	65	69	66	65	64	65	67	61	66	55	63	63	52	54	57	58	62	50	47	53	55	58	58.7
Cairo	Maximum	76	75	83	87	82	85	89	92	91	93	93	80	78	80	84	..	..	..	..	..	..	91	89	86	88	94	82	80	86	88	86	85.5
	Minimum	52	48	58	58	66	60	61	65	65	67	..	66	62	54	64	..	..	..	..	..	..	55	60	64	66	60	56	56	48	54	52	59.0
Clarksburg*	Maximum	71	74	83	78	83	85	90	93	92	92	89	87	87	89	90	89	86	75	82	80	83	86	89	90	91	77	75	82	87	90	83	84.8
	Minimum	51	47	56	57	64	58	60	62	66	67	66	68	66	65	65	72	62	62	57	59	54	53	56	57	60	64	51	47	51	53	58	59.2
Creston	Maximum	81	80	88	86	90	89	91	91	95	92	90	89	88	90	91	90	90	90	97	85	89	85	90	91	90	89	87	87	89	90	88	89.0
	Minimum	51	49	59	63	64	60	61	55	55	56	65	55	65	67	57	69	65	58	56	55	53	55	59	59	60	55	52	49	55	55	59	57.9
Elkins	Maximum	67	70	79	77	76	82	86	87	88	88	86	83	84	85	87	85	83	69	79	70	77	82	83	86	84	74	72	80	84	83	77	80.4
	Minimum	50	45	57	54	60	60	59	61	65	65	64	66	67	65	66	64	61	60	56	55	54	51	53	56	58	56	50	46	51	54	55	57.5
Fairmont	Maximum	73	77	84	80	80	88	91	95	94	95	92	87	89	90	94	92	90	76	80	80	84	88	91	91	92	80	81	86	89	93	80	86.5
	Minimum	49	49	59	61	66	60	62	65	68	69	67	69	70	68	69	72	65	64	59	63	56	56	58	60	63	67	52	48	52	55	61	61.4
Glenville	Maximum	71	73	86	85	78	85	93	92	95	95	91	84	85	90	92	91	88	87	81	85	89	90	91	91	93	93	79	87	88	92	92	87.5
	Minimum	54	51	62	60	61	64	66	67	69	70	68	67	66	67	68	69	65	61	59	64	58	58	60	62	61	66	54	52	55	57	60	62.0
Grafton	Maximum	72	72	83	84	80	85	94	97	98	94	98	95	88	93	90	95	93	80	78	83	80	86	85	89	88	85	79	78	80	92	91	86.6
	Minimum	51	46	58	58	64	60	60	62	72	66	66	66	68	69	66	70	69	62	50	58	49	52	55	60	60	58	59	58	57	55	59	60.1
Lost Creek	Maximum	70	72	76	75	74	81	87	88	90	84	89	80	84	86	84	83	82	75	77	79	80	81	84	88	89	82	71	81	86	86	85	81.6
	Minimum	51	45	58	55	64	58	60	61	65	65	66	68	66	64	65	67	62	61	56	62	54	52	55	55	59	65	49	46	49	51	56	58.4
Mannington	Maximum	67	71	80	79	78	83	86	87	87	88	86	83	83	83	86	87	83	80	76	78	80	82	83	85	86	81	72	77	81	83	80	81.3
	Minimum	50	47	58	60	64	59	58	61	65	66	65	67	69	66	66	70	63	62	56	59	54	54	57	58	60	65	50	47	49	51	59	59.2
Morgantown	Maximum	88	90	88	90	85	84	85	90	91	92	86	85	84	85	88	89	89	88	90	90	88	84	83	80	82	77	80	88	82	80	76	85.5
	Minimum	51	50	58	60	50	55	50	50	60	50	50	50	68	68	68	65	68	58	60	60	54	54	53	54	53	50	57	50	60	50	50	55.9
New Cumberland	Maximum	69	70	86	88	85	91	93	96	98	96	92	90	87	86	92	92	85	81	82	85	86	89	89	90	88	76	80	85	88	89	88	86.8
	Minimum	45	47	55	58	61	61	60	64	67	67	65	67	61	69	61	62	65	57	62	55	57	59	62	64	65	65	52	53	54	58	56	59.8
New Martinsville	Maximum	70	74	86	82	80	88	94	92	93	95	89	87	90	88	91	89	89	78	80	86	88	89	90	90	90	82	80	85	90	91	93	86.7
	Minimum	50	52	59	62	66	64	64	66	68	69	68	70	70	70	71	68	66	62	60	60	59	60	62	63	66	68	54	52	54	58	63	62.7
Parkersburg	Maximum	70	77	86	76	81	85	89	92	93	94	89	84	87	91	92	91	88	78	80	82	82	85	88	90	88	78	77	82	88	90	87	85.2
	Minimum	55	52	65	64	67	64	64	69	70	69	67	70	68	69	75	68	68	60	60	62	61	59	65	65	68	63	55	53	56	60	66	63.8
Parsons	Maximum	70	75	82	82	81	85	91	94	94	94	91	94	94	90	91	91	88	83	88	88	83	86	89	89	90	89	86	88	89	90	79	87.2
	Minimum	45	48	50	57	58	61	61	62	67	58	65	65	65	66	66	67	66	57	56	56	55	53	57	59	61	60	60	47	56	56	56	58.6
Pickens	Maximum	67	68	76	70	76	75	81	83	84	85	81	80	82	80	83	84	89	75	76	71	77	81	78	82	82	74	68	77	80	81	79	78.2
	Minimum	46	42	57	53	56	52	54	58	60	62	59	61	60	60	63	63	54	55	48	54	49	46	49	53	54	48	45	43	51	53	55	53.7
Wellsburg	Maximum	70	73	84	85	82	91	94	95	94	94	91	91	87	87	92	92	87	80	80	85	87	87	90	89	90	77	76	84	87	91	90	86.5
	Minimum	44	45	58	60	60	58	57	60	65	66	66	68	66	70	66	68	64	62	53	54	55	56	57	57	62	66	46	45	47	54	55	58.4
Weston	Maximum	76	78	86	81	85	88	92	94	94	95	92	89	90	91	93	90	88	84	84	84	88	88	91	92	93	88	80	87	90	90	85	87.9
	Minimum	53	48	58	58	65	54	63	65	67	67	66	69	66	65	68	69	64	62	59	64	55	54	58	59	61	66	53	49	58	55	62	60.6
Wheeling (Dam 12)	Maximum	71	73	83	85	87	89	93	94	93	94	92	92	86	86	91	91	86	78	78	86	86	88	88	88	90	77	76	82	87	89	85	85.9
	Minimum	50	50	60	64	65	63	63	65	70	71	67	70	70	70	72	72	66	65	58	58	59	61	61	63	68	67	53	51	54	59	60	62.7
Southern Division																																	
Beckley	Maximum	68	71	80	77	74	80	86	85	87	88	81	83	83	87	87	88	84	80	75	68	77	81	84	83	83	74	75	83	85	84	83	80.8
	Minimum	49	42	51	56	54	56	57	59	53	61	60	61	59	62	63	66	61	60	50	58	57	47	50	55	56	62	45	42	58	54	58	55.5
Bluefield	Maximum	70	70	79	..	..	80	84	83	87	86	..	87	84	85	89	90	88	..	84	69	73	79	82	80	..	84	76	82	82	83	79	81.3
	Minimum	50	45	54	..	..	57	60	61	61	63	..	63	62	61	64	68	67	..	55	59	57	51	54	60	..	58	52	49	62	55	61	58.0
Charleston	Maximum	76	79	..	71	74	86	90	92	95	..	94	88	86	93	94	94	88	88	79	82	84	88	91	86	91	81	80	86	88	91	74	85.8
	Minimum	58	46	48	..	54	57	58	68	62	62	..	62	60	63	71	64	61	67	51	53	57	61	54	56	57	57	50	46	56	56	56	57.6
Gary*	Maximum	74	74	85	78	80	84	88	88	90	90	90	88	87	89	92	90	86	..	78	71	81	83	86	85	87	80	77	83	86	86	84	84.0
	Minimum	54	51	49	59	62	62	63	63	64	68	67	65	66	65	66	65	68	67	..	64	63	55	56	60	61	65	56	52	55	60	63	61.1
Hinton*	Maximum	77	81	90	83	84	85	94	95	94	97	86	92	92	94	96	95	93	81	74	67	84	90	92	84	89	85	80	88	92	90	85	87.4
	Minimum	54	51	51	55	62	64	63	64	65	66	68	65	65	66	67	67	67	66	57	59	62	55	56	58	60	63	57	52	53	60	61	60.6
Huntington	Maximum	78	80	88	84	86	87	91	93	94	94	94	93	89	94	93	92	90	87	83	85	86	88	91	92	90	82	83	85	90	92	92	88.6
	Minimum	56	52	61	66	65	64	65	69	69	71	72	72	70	71	73	73	69	62	61	65	65	64	62	67	67	67	56	55	58	59	67	65.0
Lewisburg	Maximum	70	72	80	77	72	79	80	84	86	85	78	83	81	80	85	87	82	79	70	68	72	76	78	80	79	76	74	78	81	79	77	78.3
	Minimum	51	51	57	57	62	62	62	63	64	65	64	65	64	67	65	70	65	67	55	61	61	55	57	59	59	68	53	49	60	59	60	60.5
Madison	Maximum	74	78	..	87	85	85	90	91	94	94	94	91	90	93	93	93	89	79	79	79	86	88	92	91	92	82	..	87	90	..	..	87.6
	Minimum	54	54	..	64	63	65	67	68	67	69	69	67	68	70	69	67	67	58	63	63	59	59	61	62	66	56	..	51	58	..	..	63.1
Point Pleasant	Maximum	73	80	87	84	84	90	94	94	95	97	92	85	90	93	95	90	90	86	85	85	87	90	92	94	94	83	85	86	91	92	95	89.0
	Minimum	55	50	60	63	64	65	64	68	69	69	70	71	68	69	71	73	68	60	58	63	61	61	62	64	67	65	54	53	55	58	66	63.4
Rainelle	Maximum	66	71	80	68	76	82	86	89	85	88	84	84	84	84	88	87	84	78	73	73	75	81	84	83	83	75	75	82	84	84	81	80.5
	Minimum	48	45	45	50	57	56	60	59	59	59	58	59	59	63	62	58	58	62	49	59	56	45	50	51	54	59	45	41	49	55	53	54.3
Ravenswood	Maximum	78	89	87	84	85	86	89	89	93	94	94	89	87	90	90	91	87	83	81	87	83	85	89	88	88	83	85	89	89	93	89	87.5
	Minimum	51	47	56	58	62	61	60	66	65	66	66	67	64	66	71	67	67	55	50	49	51	51	58	62	64	65	51	49	50	58	62	59.2
Richwood	Maximum	68	72	80	82	75	81	84	86	88	89	84	83	83	85	88	89	83	79	75	74	76	82	83	83	85	85	77	82	84	86	81	81.7
	Minimum	50	44	50	52	59	55	57	60	60	60	61	63	61	62	62	62	59	52	49	60	55	48	51	53	54	63	48	43	54	56	56	55.5
Robertsburg*	Maximum	75	82	89	74	88	91	94	93	94	95	94	90	89	92	94	91	89	82	79	85	86	91	97	95	95	80	82	88	89	91	94	88.6
	Minimum	58	51	60	62	65	64	64	67	68	69	70	71	68	70	71	74	67	61	57	64	62	59	60	64	64	65	55	51	55	58	64	63.2
Ryan	Maximum	75	75	87	75	85	85	87	90	90	90	90	90	80	80	89	85	85	75	75	80	85	85	85	87	88	76	85	80	85	90	85	83.8
	Minimum	49	46	54	56	65	59	60	63	65	63	63	63	62	62	64	67	64	58	53	61	57	55	62	52	57	58	55	45	50	52	55	57.9
Spencer*	Maximum	77	78	85	77	82	85	88	90	93	94	91	88	88	90	90	90	86	77	80	82	82	85	88	89	90	81	78	82	87	89	87	85.5
	Minimum	52	49	65	59	66	63	64	66	65	68	68	68	66	68	71	73	68	60	56	63	63	58	60	61	64	66	53	50	53	56	59	62.0
Sutton	Maximum	71	76	86	86	72	81	91	92	93	94	94	87	88	93	93	92	88	88	78	78	82	84	88	92	92	91	78	84	85	88	88	86.2
	Minimum	52	48	62	55	64	64	62	63	64	65	65	64	64	66	65	65	63	62	64	63	56	53	56	58	59	64	52	48	54	57	60	59.9
Union	Maximum	71	71	80	..	80	81	85	85	88	88	..	88	83	83	87	87	86	..	83	66	67	80	83	84	..	82	77	82	84	84	83	81.4
	Minimum	47	46	49	..	55	54	58	59	59	61	..	61	61	64	62	64	62	..	52	60	59	51	52	55	..	57	48	44	58	55	57	55.9
White Sulphur Spgs.	Maximum	74	74	80	80	80	81	87	88	90	90	87	85	86	81	90	91	91	78	70	70	70	79	81	86	88	80	76	79	84	87	79	82.0
	Minimum	45	48	51	60	61	60	61	62	64	64	61	62	60	60	63	62	61	60	51	60	51	51	52	56	58	60	50	42	57	57	56	57.0
Williamson*	Maximum	74	77	86	78	83	87	91	92	93	94	94	92	90	92	94	94	90	82	84	76	86	88	91	91	91	81	81	85	89	87	92	87.3
	Minimum	58	55	55	61	65	63	65	68	69	70	70	69	71	67	70	68	69	69	61	65	63	59	60	63	64	63	58	54	59	60	66	63.8

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.003	.178	.265	.211	.082	.094	.183	.208	.191	.241	.286	.176	.108	.178	.139	.150	.199	.175	.145	.165	.099	.206	.185	.205	.308	.152	.318	.184	.193	.189	.181	5.597
	Wind movement	12	33	58	45	13	6	15	12	14	29	37	22	25	21	14	45	36	45	42	24	26	33	7	23	15	35	66	44	3	10	16	826

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* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 8-30-37—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., AUGUST 1937 No. 8

GENERAL SUMMARY

The month was decidedly warm, being the third warmest August of State record. The month was characterized by nearly continuously warm weather with only two stations reporting below normal temperatures. This was the third consecutive warm month. The rainfall averaged considerably above the normal for all sections of the State, except the northern panhandle and along the Ohio river in the southern part. The northeastern panhandle section received the heaviest amount, the average being 8.42 inches. The excessive amounts ranged from two inches above normal at Brandywine, Pendleton county, to eleven inches above at Wardensville, Hardy county. The latter station reported a 24 hour rainfall of 4.78 inches, occurring on the 23d. The rain was beneficial to vegetation generally, though farm work was delayed somewhat. The excessive wet weather brought some rotting of potatoes in in the northeastern panhandle area. Abundance of apples, peaches and grapes was in prospect. Pastures and meadows were excellent at the close of the month.—*H.C.D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 74.0°, or 3.4° above normal; for the northern division, 74.5°, or 3.1° above normal; for the southern division, 74.3°, or 2.0° above normal; and for the State, 74.4°, or 2.6° above normal. The highest temperature 101° occurred at Martinsburg on the 19th, and the lowest 40° at Bayard on the 2d, making the monthly range for the State 61°. The greatest daily range was 47° at McNeill on the 17th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 8.42 inches, or 4.68 inches above normal; for the northern division, 5.11 inches, or 0.91 inch above normal; for the southern division, 5.90 inches, or 1.85 inches above normal; and for the State, 5.83 inches, or 1.71 inches above normal. The greater portion of the precipitation was received on the 5th to 13th, 19th to 27th, and the 30th, 31st. The greatest monthly amount was 14.44 inches at Wardensville, and the least 1.06 inches at Ravenswood. The average number of days with .01 inch or more of precipitation was 13.

LIGHT HAIL

Light hail fell in the district north of Wellsburg, on the 10th, but no damage was reported.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Thunderstorms: 5th, 6; 6th, 8; 7th, 7; 8th, 8; 9th, 8; 10th, 9; 11th, 4; 12th, 6; 14th, 1; 15th, 1; 17th, 1; 18th, 7; 19th, 6; 20th, 7; 21st, 10; 22d, 10; 23d, 4; 24th, 2; 26th, 1; 29th, 1.

MISCELLANEOUS PHENOMENA (Continued)

Fogs, dense: 1st, 3; 2d, 5; 3d, 5; 4th, 2; 5th, 2; 9th, 1; 10th, 1; 11th, 1; 13th, 3; 14th, 6; 15th, 3; 16th, 4; 17th, 2; 18th, 1; 20th, 2; 21st, 2; 22d, 1; 23d, 1; 27th, 4; 28th, 5; 29th, 1; 30th, 1; 31st, 1.

Solar halo: 4th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.05	30.31	15	29.83	9	5.3	33	w.	12	89	62	66	73
Columbus, Ohio	30.05	30.27	15	29.83	12	6.9	33	w.	8	82	54	63	65
Elkins	30.08	30.36	16	29.90	12	3.8	25	nw.	6	96	60	75	55
Parkersburg	30.03	30.26	15	29.84	9	4.6	20	nw.	21	87	59	65	64
Pittsburgh, Pa	30.06	30.31	15	29.81	12	7.7	26	n.	21	85	55	66	71
Wytheville, Va	30.10	30.33	31	29.93	5	4.8	21	nw.	12	92	59	77	45

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	69.8	......	......	3.48	6.10	4.73	5.48	......	......	......	......	......
1892	72.1	96	41	1.65	2.73	2.71	2.55	....	7	......	......	......
1893	70.8	98	41	3.43	3.17	3.84	3.38	......	......	......	......	......
1894	71.5	103	38	1.35	2.28	1.88	2.07	.....	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	......	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	......	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	......	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	7.51	......	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	......	6	15	11	5
1900	76.0	100	45	1.48	3.38	3.37	3.15	......	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.....	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.....	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.....	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	......	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	......	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	......	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	......	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	......	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	......	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	......	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	......	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	......	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	......	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	......	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	......	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	......	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	......	8	17	8	6
1918	76.0	110	43	3.83	4.19	3.82	3.96	......	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	......	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	......	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	......	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	......	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	......	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	......	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	1.86	......	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	......	13	13	7	11
1927	67.1	94	34	3.35	4.20	4.89	4.33	......	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	......	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	......	7	16	8	7
1930	70.7	112	30	2.24	1.93	2.93	2.20	......	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	......	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	......	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	......	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	......	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	......	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	......	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	......	13	12	10	9
Period	71.8	112	30	3.74	4.20	4.05	4.12	......	10	14	10	7

Climatological Data for August 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	68.2	+2.4	90	†18	40	2	45	6.12	+2.74	1.18	0.0	14	20	5	6	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	71.9	+2.0	95	17	50	†15	45	5.30	+1.72	1.50	.0	12	20	1	10	sw.	E. L. Keister
Circleville	Pendleton		5								7.32		2.03	.0	16					Moses R. Bennett
Harpers Ferry	Jefferson	244	48								11.27	+7.28	3.28	.0	14					Eleanor White
Kearneysville	Jefferson	548	7	76.0		96	†19	55	†14	37	8.22		1.96	.0	12	11	15	5	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	[a]78.0	+5.0	[a]101	19	58	†14	[a]38	6.15	+2.09	1.75	.0	14	18	9	4	w.	Dr. H. S. Gardner
McNeill	Hardy	800	41	73.4	+1.9	99	18	47	†14	47	8.32	+5.33	2.36	.0	16	10	16	5	w.	R. E. Saville
Piedmont	Mineral	1,053	24	74.8	+4.3	96	†4	52	†2	39	7.33	+3.74	1.75	.0	10	10	14	7	w.	C. A. Suter, Jr.
Romney	Hampshire	824	39	75.4	+2.8	95	†19	53	2	36	11.16	+7.55	4.40	.0	16	13	15	3		Miss Lucille Keister
Stony River Dam	Grant	3,300	17								6.98	+2.40	2.10	.0	12	5	4	22		A. C. Becker
Wardensville	Hardy	1,200	16	74.0	+4.5	99	17	51	14	44	14.44	+10.81	4.78	.0	15				w.	Reymann Memorial Farm
Division averages	and extremes			**74.0**	+3.4	**101**	**19**	**40**	**2**	**47**	**8.42**	+4.68	**4.78**	**.0**	**15**	**13**	**10**	**8**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13								6.10	+1.62	1.50	.0	10	6	17	8	w.	L. Else Bond
Alma (near)	Tyler	800	10								4.21	−1.32	.78	.0	14	13	7	11		D. N. Furbee
Alpena	Randolph	2,571	7											.0						Christian Hertig
Benson	Harrison	1,080	13	73.2	+2.5	95	20	50	14	39	5.77	+1.32	1.90	.0	9	16	10	5		R. D. Marts
Bens Run	Tyler	652	35	77.6	+4.0	97	19	60	2	32	5.31	+1.04	1.54	.0	12	18	10	3		Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	76.0	+3.8	96	21	51	14	38	4.88	+.61	1.36	.0	14	6	18	7		W. B. Worley
Buckhannon	Upshur	1,411	40	72.5	+2.6	90	†19	52	14	31	5.28	+1.19	1.28	.0	13	18	10	3		H. A. Darnall
Cairo	Ritchie	689	36											.0						Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	74.2	+2.2	95	20	52	2	38	3.86	−.62	2.15	.0	14	13	6	12	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	11								8.56	+3.98	2.55	.0	15	10	16	5	sw.	George W. Blair
Creston	Wirt	640	35	76.7	+3.6	98	19	54	14	34	5.82	+1.96	1.39	.0	13	19	3	9		J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	16								4.48	+.42	2.35	.0	16					Lockmaster
Dam 13 O. R.	Ohio	655	21								1.92	−1.45	.50	.0	8					Lockmaster
Dam 15 Mon. R.	Marion	882	16								4.07	−.06	2.00	.0	13					Lockmaster
Dam 19 O. R.	Wood	600	21								3.70	−.04	2.27	.0	9					Lockmaster
Dam 20 O. R.	Wood	600	21								3.43	−.50	.86	.0	11					Lockmaster
Davis	Tucker	3,093	28								8.13	+3.56	2.00	.0	13					Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	25								3.75	−.25	1.00	.0	11					Lockmaster
Elkins	Randolph	1,927	36	71.2	−2.1	90	20	52	3	35	6.61	+2.75	1.85	.0	15	7	8	16	w.	U. S. Weather Bureau
Fairmont [d]	Marion	883	31	76.3	+3.6	98	19	55	2	34	4.87	+.87	1.93	.0	12	13	7	7	w.	J. C. Robinson
Glenville	Gilmer	738	43	77.2	+3.3	97	†4	56	3	38	6.71	+2.48	1.46	.0	12	15	2	14	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	76.1	+4.7	98	20	52	2	38	7.25	+3.54	2.33	.0	16	14	11	6		L. W. Clayton
Hastings	Wetzel	809	2								5.92		1.64	.0	13	12	12	7	w.	L. G. McIntyre
Horner	Lewis	1,044	14								3.42	−1.46	.90	.0	7					Foster R. Hardman
Jane Lew	Lewis	1,020	14								6.63	+1.78	1.65	.0	11					Mrs. C. I. Jenkins
Lost Creek	Harrison	1,026	39	72.6	+1.9	93	5	49	14	38	4.37	+.14	1.27	.0	9	15	4	12	w.	Allen Smith
Mannington	Marion	985	34	72.4	+2.2	90	20	52	†2	31	4.50	+.42	1.38	.0	15	15	7	9	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	72.0	.0	92	20	48	29	42	3.90	−.11	1.90	.0	5	22	3	6		Bruce Davis
New Cumberland	Hancock	671	39	75.0	+4.2	96	20	51	15	39	1.82	−1.57	1.06	.0	8	10	5	16	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	77.3	+3.6	98	19	59	†2	35	4.46	+.57	1.40	.0	9	17	3	11	s.	Wm. Ankrom
Parkersburg	Wood	615	50	76.8	+2.9	94	19	60	14	33	3.58	+.07	1.27	.0	8	12	6	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	73.2	+3.8	95	17	53	16	41	8.35	+4.30	3.60	.0	13	13	11	1		J. W. Swisher
Philippi	Barbour	1,550	40								7.22	+2.98	1.62	.0	12					H. F. Brittinham
Pickens	Randolph	2,697	34	68.4	+1.9	87	20	48	14	33	6.46	+.99	1.15	.0	19	16	12	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14								8.90	+4.56	1.87	.0	10	18	1	12		Miss Mary A. Conrad
Saint Marys	Pleasants	577	29								5.42	+1.33	1.28	.0	10					Edward Hughes
Terra Alta	Preston	2,559	36								6.50	+1.49		.0						Hopemont Sanitarium
Thomas	Tucker	2,950	8								8.31		2.25	.0	12					H. L. Stiles
Valley Chapel	Lewis	1,011	14	74.9	+2.4	94	†19	53	†2	35	4.89	+.73	1.10	.0	13	18	8	5	w.	J. C. Campbell
Vandalia	Lewis	1,120	14								6.74	+2.54	1.99	.0	13				w.	James B. Kelley
Wellsburg	Brooke	698	30	74.6	+4.3	95	†12	49	2	41	2.15	−1.41	.80	.0	4	19	8	4		George P. Pfister
West Milford	Harrison	979	12								4.59	−.03	1.12	.0	12					Miss Dicie E. Wagner
Weston	Lewis	1,026	42	76.0	+3.3	97	19	52	14	39	4.26	+.56	1.78	.0	13	2	20	9		A. Henry
Wheeling (Dam 12)	Ohio	659	50	76.0	+3.2	95	†20	57	2	33	1.81	−1.74	.39	.0	8	11	13	7	sw.	Lockmaster
Woodlands	Marshall	637	10								2.07	−2.96	.64	.0	10	5	12	14	sw.	R. W. Rist
Division averages	and extremes			**74.5**	+3.1	**98**	**†19**	**43**	**†14**	**42**	**5.11**	+.91	**3.60**	**.0**	**11**	**13**	**9**	**9**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11								4.00	−.31	1.23	.0	12	11	14	6		H. S. Sutton
Bancroft	Putnam	574	33	74.6	+1.5	98	†20	51	†25	35	6.66	+2.54	1.49	.0	15	8	14	9	w.	Fred D. Smith
Beckley	Raleigh	2,440	34	71.0	+1.1	91	19	49	1	34	7.58	+3.74	1.72	.0	15	8	17	6		L. A. Mauck
Bluefield [e]	Mercer	2,558	42	72.1	+1.6	89	5	51	2	33	7.95	+4.31	2.14	.0	12	4	15	7		Norfolk & Western Ry.
Charleston	Kanawha	600	34	73.6	−1.7	95	†4	53	†3	41	6.38	+1.91	1.64	.0	14	22		9		Charleston Daily Mail
Clay	Clay	706	21								8.15	+3.66	3.05	.0	15					S. E. Woofter
Dam 25 O. R.	Mason	565	10								4.40	−.29	1.04	.0	10					Lockmaster
Gary [a]	McDowell	1,426	21	75.0	+3.0	91	†19	58	1	31	6.97	+2.86	2.09	.0	16					U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	76.0	+2.7	96	†4	58	1	35	6.28	+2.12	1.71	.0	16	3	19	9		Mrs. M. L. McClung
Hogsett	Mason	564	21								4.17	+1.01	1.04	.0	12					U. S. Engineers Office
Huntington	Cabell	538	40	78.7	+3.9	99	17	58	14	34	1.52	−2.18	.48	.0	12	7	14	10	ne.	H. N. Robinson
Kanawha Falls	Fayette	618	18								4.89	.00	1.70	.0	13					J. O. Brown
Kayford	Kanawha	1,335	21								7.91	+3.08	2.22	.0	17					Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	70.9	+1.5	85	†4	54	26	25	5.86	+1.91	1.07	.0	18	7	15	9		J. K. Monroe
Logan	Logan	700	34								7.63	+3.14	2.80	.0	16					Paul A. Simonds
London	Kanawha	623	1	76.6		94	†4	61	4	33	7.53		2.51	.0	13	8		23	e.	Lockmaster
Madison [c]	Boone	675	16	76.9	+2.5	95	†4	59	†1	36	7.64	+3.82	2.16	.0	13	12	8	11		C. B. Whitlock
Marlinton [b]	Pocahontas	2,125	37	71.8	+5.6	91	5	50	3	34	7.17	+2.49	1.51	.0	16	7	15	7		M. B. Bruce
Point Pleasant	Mason	595	44	78.2	+3.5	99	20	58	14	36	5.12	+1.91	1.15	.0	13	13	15	3	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	69.5		89	†5	48	†4	41	7.72		1.73	.0	18	12	4	15		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	74.2	+1.3	95	18	53	14	39	1.06	−2.29	.36	.0	8	12	8	11	ne.	Lockmaster
Richwood [b]	Nicholas	2,193	7	70.8		90	†4	51	†1	33	7.49		1.12	.0	21	14	6	11	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	77.7	+3.8	99	16	56	14	37	7.06	+3.56	2.42	.0	13	14		17		M. Frazier
Ryan	Roane	700	34	74.9	+3.2	95	†4	53	14	43	3.79	−.29	.89	.0	12	12	12	7		Wm. E. Ryan
Spencer	Roane	789	33	75.4	+3.1	96	†19	54	14	31	3.50	−.27	.84	.0	12	9	16	6		A. M. McKown
Summersville	Nicholas	1,894	4								6.60		2.30	.0	12					Daisy Butler
Sutton	Braxton	850	31	75.0	+1.9	97	†19	54	3	36	8.70	+4.45	4.40	.0	12	19		12		C. B. Eakle
Union [e]	Monroe	2,250	33	72.0	+1.8	92	21	53	†2	33	5.62	+1.69	1.50	.0	9	11	13	2		C. B. King
Wayne	Wayne	598	10								3.04	−1.21	1.05	.0	9					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	72.0	+1.7	93	†8	52	23	37	4.90	+1.31	.80	.0	11	18	6	7		White Sulphur Spgs. inc.
Williamson	Mingo	673	37	77.8	+3.0	96	4	60	1	34	5.53	+1.54	2.81	.0	16	13	14	4	nw.	J. E. Dotson
Division averages	and extremes			**74.3**	+2.0	**99**	**†16**	**46**	**†15**	**43**	**5.90**	+1.85	**4.40**	**.0**	**13**	**11**	**11**	**9**	**ne.**	
State averages and	extremes			**74.4**	+2.6	**101**	**19**	**40**	**2**	**47**	**5.83**	+1.71	**4.78**	**.0**	**13**	**12**	**10**	**9**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for August 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac						.28		T.	.10	1.15	.02	.16								.52	.03	.33	T.	.48	1.18	.74	.98			.12	.03	6.12
Brandywine	do						.10		.20			.10	.25	.05						.05	T.	T.	1.50		.75	1.05	.80	T.			.25	.20	5.30
Circleville ||||	do						.44	.62		.37		.32		.18	.09					.38	.22	T.		.42	.39	2.03	1.07	.39	.12		.17	.11	7.32
Harpers Ferry ||||	do	.70							.10	.11	.01		3.28	.01	.07					T.	T.		1.47	.64	.08	1.15	1.54	1.93				.18	11.27
Kearneysville	do								.06				.45						.12		.63	.30	1.00	.10	.19	1.27	1.96	1.78			.36		8.22
Martinsburg ||||	do							T.		.05	.50				.01					.12	.05	.05	.45	.18	.04	1.35	1.30	1.75			.05	.25	6.15
McNeill	do						.66	.02	T.		.11	.28	T.	.10					.53	.43	.92	.16	.14	.10	.67	2.36	1.35	.41			.08		8.32
Piedmont	do						1.60					T.	.28							.06	.45			1.16	.34	1.75	1.66				.01	.02	7.33
Romney	do							.05	.35		.47	1.96	.20	.10					.05	.10	.58		.25	.65	.42	4.40	1.20	.33			.05		11.16
Stony River Dam ||||	do	.14					.13			.15				.91								1.07		.50	.04	2.10	1.25	.37	.27			.05	6.98
Upper Tract	do																																
Wardensville ||||	do	.21	.10					1.98	.03		.06			.68							1.58	.21		4.78	.07	3.51	.73	.30			.15	.05	14.44
Northern Division																																	
Aberdeen	Monongahela					T.	T.	.17	.78	.46	T.		T.									T.	1.15	.06	.56	1.50	1.07	.28			.07	T.	6.10
Alma (near)	Ohio						.01	.78	.25	.64	.01									.15	.02	.09	.45		.74	.46	.01	.50				.10	4.21
Alpena	Monongahela																																
Benson	do									1.34	1.00	.10											.18		.55	1.90	.50	.15			.05		5.77
Bens Run	Ohio						.38	.06	.38	1.18	.27											.08	1.54	.05	.64	.07	.54					.12	5.31
Brownsville	Monongahela	.02						.42	.17	.55	.16		.02								.09		.80	.09	1.36	.85	.12	.06			.17		4.88
Buckhannon	do					T.	.33	.06	.15	1.05	.10		.10									.48	.02		1.06	1.28	.45	.03			.17	T.	5.28
Cairo	Litl.Kanawha																																
Clarksburg ||||	Monongahela						.20	.04	.03	.22	.12		.08	.06									.32	.34	.06	2.15	.12	.10			.02		3.86
Crawford	do					T.	.63	.23	1.19	.70	.04		.01	.35							.85	T.	.12	.09	2.55	.97	.54	.03			.26		8.56
Creston ||||	Litl.Kanawha					1.30	.47	.39	T.	1.39	.79	.08							T.		.17		.05		.25	.50	.08	.20		T.	.15		5.82
Dam 10, Mon. R. ||||	Monongahela	.17					.02	.13	.06	.08	.06	.06		.17						.03			.10	.26	.10	2.35	.19	.67	.03				4.48
Dam 13, O. R. ||||	Ohio							.17	.20	.25		.50									.44		.33	.01				.02					1.92
Dam 15, Mon. R. ||||	Monongahela	.23						.13	.03	.15	.07	.04		.48									.10	.55		2.00	.13	.07	.09				4.07
Dam 19 O. R. ||||	Ohio	T.				T.	T.	.06	.22	.53	.30	.10								.03			2.27	T.	.02	.17	T.					T.	3.70
Dam 20 O. R. ||||	do	.10					T.	.30	.86	.60	.16	.08		.01									.82	.05	.36	.09		T.					3.43
Davis ||||	Monongahela							.10	T.	.80		.20	.10	.61						.61				.60	.71	2.00	.71	.10			.18	1.41	8.13
Elizabeth (D'm 3 LK)	Litl.Kanawha					.12	.20	1.00	.22	.15	.07									T.	.66	1.00		T.	.20	.03	.10				T.		3.75
Elkins***	Monongahela					T.	1.11	.05	.26	.21	.01		.12	.69							.30		1.08	T.	.97	1.12	.33	.18			.15	.03	6.61
Fairmont ||||	do						.20	.08	.26		.08		.56									.26	1.09	.16	1.93	.15	.08	.02					4.87
Glenville ||||	Litl.Kanawha	.04						.15	.47	.36	.34	1.08								1.46			.11	.70	1.00	.72						.28	6.71
Grafton	Monongahela	.02					.03	.34	.03	.45	T.	.04	.11	.18									.35	.04	1.97	2.33	.79	.39			.03	.15	7.25
Hackers Creek	do						.84	.25	.39	.49	.09		.01										1.53		2.05	.94	.51	.01		.06	.04		7.21
Hastings	Ohio						T.	1.10	.21	.66	.05	.01	T.								.34	.43	.65	.55	1.64	.20	.03	.05					5.92
Horner	Monongahela										.25												.80		.80	.90	.25	.30		.12			3.42
Ireland	do					.63		.84	.53												.47		.46		2.12	1.41	.32	.33			.21		7.32
Jackson's Mill	do						.30	.35	.30	.35	.13												.92		1.00	1.06				.16		4.57
Jane Lew	do						T.	.20	.65	.31		.02	T.										1.56	.80	.80	1.65	.30	.23			.11	T.	6.63
Lost Creek	do					.47	T.	.20	.25	.32			T.										1.27	T.	.80	.84	.10	.12			T.	T.	4.37
Mannington	do					.01		.15	.05	.38	.09	.23	.27									.04	1.38	.03	1.00	.66	.10	.10				.01	4.50
Morgantown	do							.50					T.							T.			.45		1.90	.45	.60						3.90
New Cumberland	Ohio				T.			.25	.08	T.	.30		.03						.08	.02		.16	.90										1.82
New Martinsville	do							.60	.04	.84	.10	.03											.98	1.40	.32		.15						4.46
Parkersburg ***	do				T.	T.	T.	.17	.03	.57	.63		T.						.52			1.27	T.	T	.36	.03	T.				T.		3.58
Parsons	Monongahela					T.		*	2.16		.27		1.04				.38		.75			*	*	*	3.60			T		*	*	.15	8.35
Parsons No. 2	do						.21	.08	.78	.51	.18	.01	.81	.29					.15		.46		.43	.70	.48	1.00	1.04	.48			.16		7.77
Philippi ||||	do							.85	.49	.23		.07										.70	.42	.50	1.18	1.62	.71	.40			.05		7.22
Pickens	do						.80	.25	.15	1.00	.13	.15	.26	.14					.11		.41	.10	.35	.55	1.00	.15	.30	.45		.12	.04		6.46
Roanoke	do							.40	1.50	1.65	.10	T.	.40										.95	.25	1.87	1.28					.50		8.90
Rockford	do					2.20	T.	.46	.41	.33	T.	.18	.04										1.17	.31	.49	1.10	.72	.08			.02	.03	7.54
Saint Marys ||||	Ohio						.58	.43	.04	1.09	.12	.48											.91	.24	1.28	.25			T.				5.42
Terra Alta	Monongahela						T.	.50		.40	.20		1.10	.30									*	*	*	*	*	*	4.00				6.50
Thomas ||||	do	.19						.07		.28		.94		.53								1.81	.32	.62	2.25	.72	.53	.05					8.31
Valley Chapel	do							.30	.67	.30	.14	.03	.09										.80	.55	.53	1.10	.15	.15			.08		4.89
Vandalia	do						.32	.25	.73	.56	.36		.07										.98	.12	1.99	.93	.11	.08			.24		6.74
Wellsburg	Ohio							.52		.45	.80		T.										.38								T.		2.15
West Milford	Monongahela						.42	.15	.20	.60		.30		.10									.88		.55	1.12	.10			.12	.05		4.59
Weston ||||	do						.32	.30		.42	.05	.05											.10	.60	.12	1.78	.14	.22	.02			.14	4.26
Wheeling (Dam 12) ||||	Ohio							.25	.39	.35	.10	.37								T.	.18		.13	.04									1.81
Woodlands ||||	do						T.	.65	.05	.42	.12	.14	T.	.06								.12	.42	.04	T.	.06							2.07
Southern Division																																	
Arbovale ||||	Gr. Kanawha								.25		.02	.02	.21					.14	T.	T.	T.	.20	.90	1.23	.45	T.	.05				.45	.08	4.00
Bancroft	do						.26	.33	.10	.18		.13						.56	.61	.12		.63		.19	.61	1.49	.43				.88	.11	6.66
Beckley	do					.09	.13	.16	.08	.82	.27		.48	.39				.08						1.37	1.72	.36	.21				1.00	.42	7.58
Bluefield	do		.03			.54	.59			.42			.72							.03				.31	1.54	1.18	.34				2.14	.11	7.95
Camden-on-Gauley ||||	Gauley	.34					.02	.43	.04	1.08	.65	.29		.10	.30					.53	.02				.68	.58	.22	.07	.02		.05	.33	5.75
Charleston	Gr. Kanawha	T.					.52		.15		.45	.43	.12	.53				.11	.92	.02				.20	1.32	1.64	.13	T.			.64		6.38
Charleston No. 2	do	1.09						.52		.15	T.	.45	.43	.12	.53			.11	.10	.92	.02		.71		.19	1.32	1.64	.13	T.			.64	9.07
Clay ||||	do	.04					.11	.18		.82	.84	1.26		.12						.48	.28		.17		.09	3.05	.46	.02				.23	8.15
Dam 6 G. K. ||||	do	.44						.40		.05		.03	.95	.10	.03			.07	.32	.54	.20		1.42		.79	1.20	1.47	.11				.64	8.76
Dam 25 O. R. ||||	Ohio							.10	.36	.86									.65	.44	.10		.78		1.04	.05	.02						4.40
Gary ||||	Big Sandy	.91					.16	.05		.02	.78		.32	.28							.02		.19	.23	2.09	1.33	.15	.01			.19	.24	6.97
Hinton ||||	do	.05					.45	.16		.04	.32	.28	.42	.58					.21				.10		.30	1.71	.28	.02			.21	1.15	6.28
Hogsett	Ohio							.16		.46				.01					1.04	.85	.13	.10	.50		.10	.17	.62					.03	4.17
Huntington	do						T.			.23	.02		.07					.03	.09	.05		T.	.48		.11	.02	.06				.18	.18	1.52
Kanawha Falls ||||	Gr. Kanawha	.60						.30			T.	.04	.05	.70				.10	.05	.05			.10		.30	1.70	.10					.80	4.89
Kayford ||||	do	.46					.03	.43		.12	.02	.01	.14	.95	.10			.05		.02			.46		2.22	1.38	.81	.01			T.	.70	7.91
Lewisburg	do					.58	.02	.02	.05	.01	.45	.04	.43	T.						.60	.01	T.	.18	.05	.40	.82	1.07	.01			.50	.62	5.86
Logan ||||	Guyandotte	.39					.47	.20		.83	.01	T.	.29	.60	.17					.05	.25		.36	T.	2.80	.61	.13				.02	.45	7.63
London	Gr. Kanawha	1.05						.07				.26		.26					.31	.04			.70		.11	2.51	1.39			.09	.01	.73	7.53
Madison ||||	do					.02	.49		.19			.16		.57					2.16	.02		1.63		1.14	.74	.01				.06	.45		7.64
Marlinton	do		T.				.01	.08		.57	T.	.02	.59	.19					1.51	.02	.15	.06		.23	1.09	1.09	.60				.36	.60	7.17
Point Pleasant ||||	Ohio	.12						.30	.42	.31	T.		.02	.05					1.15	1.14			1.14		.23	.05	.11					.08	5.12
Rainelle	Meadow Creek	.01					.52	.01	.28	.05	.02	.05	.91	.13	.01	T.		T.	.42		T.		.01	1.57	1.73	.17	.54				.81	.48	7.72
Ravenswood (Dam 22	Ohio ||||								.30	.05		.05											.36		.05	.10	.05					.10	1.06
Richwood ||||	Gr. Kanawha					1.12	.46	.08	.63	.01	.27	.01	.68	.43					.24	.03	.89	.08		.76	.88	.25	.15	.04		.08	.38	.02	7.49
Robertsburg ||||	do	.07							.05	.25									1.03	.81	.17	.20	1.16		.05	.38	2.42				.02	.45	7.06
Ryan	do						.10	.42	.05	.09										.21		.27	.21		.41	.89	.49				.28	.37	3.79
Sharples ||||	Coal River						.33			.93			.88	.93	T.								.83		1.09	.83	T.				.09	.21	6.12
Spencer ||||	Gr. Kanawha									.54									.33	.17		.05	.23	.13	.04	.84	.03	.23			.46	.45	3.50
Summersville ||||	do						.18	.07	.24			.40		.30	.70					2.30	.55	.60	.42		.14			.70					6.60
Sutton	do							.20	.35	.60		.80	.25	.75								.20	.40		4.40	.50	.10				.15		8.70
Thornwood ||||	do								.56		.08		.12							.09				.85	1.85	.44	.45	.08			.27	.06	4.85
Union	do									.37	.43	.30								.09				.83	.31	1.50	.25				.65	.98	5.62
Wayne ||||	Big Sandy									.13			.17						.16	1.05			.50		.54	.03					.18	.28	3.04
White Sulpr. Spgs. ||||	Gr. Kanawha								.30		.70	.10	.30											.70	.75	.60	.25			.35	.80	.05	4.90
Williamson ||||	Big Sandy						.40			.20	.15		T.	.60	.01				.14	.07	.10		.34	.03	2.81	.38	.01	.06			.08	.15	5.53

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for August 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	80	82	85	89	89	87	79	79	82	85	85	82	77	82	85	87	89	90	90	90	89	78	76	65	65	77	79	82	82	76	80	82.0
	Minimum	48	40	43	50	50	60	59	57	60	56	64	62	60	42	43	42	45	60	55	60	60	60	62	57	58	60	60	50	49	57	55	54.3
Brandywine	Maximum	84	82	84	86	92	89	88	85	84	87	89	87	84	85	86	84	95	90	92	92	94	89	84	78	72	84	80	86	80	75	87	85.6
	Minimum	54	52	55	56	60	56	58	59	60	54	62	55	58	52	50	51	50	60	64	62	64	62	60	61	60	62	58	60	59	65	64	58.2
Kearneysville	Maximum	87	87	89	91	94	91	94	92	91	90	92	93	87	86	86	91	95	93	96	96	94	85	73	67	69	82	84	87	83	79	89	87.5
	Minimum	62	59	58	60	67	68	72	63	67	68	70	66	67	55	57	55	58	70	67	68	69	71	62	63	62	67	66	61	65	68	65	64.4
Martinsburg*	Maximum	90	93	94	95	99	95	97	97	95	93	95	94	83	89	93	95	98	96	101	99	99	86	75	70	70	82	87	90	87	79	..	90.5
	Minimum	65	63	66	68	65	69	72	67	67	70	70	68	65	58	58	58	69	68	69	70	70	70	60	62	62	64	66	63	67	69	66	65.6
McNeill	Maximum	86	88	91	95	95	93	88	85	93	92	93	91	85	80	90	95	97	99	95	96	96	84	74	71	68	84	85	88	83	80	90	88.1
	Minimum	52	48	49	56	58	61	65	57	63	62	63	60	59	47	47	49	50	63	62	63	66	65	65	63	62	65	62	56	55	63	62	58.6
Piedmont	Maximum	85	87	92	96	96	90	85	87	92	87	89	87	85	85	87	88	92	96	93	88	94	86	69	66	67	80	83	86	84	76	86	85.9
	Minimum	62	52	55	57	58	65	67	65	68	69	68	65	64	52	54	58	56	68	65	67	68	66	64	62	62	66	67	62	60	66	64	62.6
Romney	Maximum	84	87	88	90	92	91	89	87	89	88	91	91	85	88	88	92	92	94	95	95	95	85	80	72	68	85	85	87	85	87	90	87.6
	Minimum	67	53	55	61	63	66	68	62	68	66	67	66	65	54	54	56	65	67	65	67	69	68	64	62	62	66	67	62	63	61	63	63.3
Wardensville	Maximum	86	86	90	90	95	91	88	86	87	90	90	90	85	86	86	79	99	94	95	94	..	92	86	73	70	83	83	..	87	79	89	87.2
	Minimum	..	53	54	57	61	63	64	60	64	66	65	65	62	51	52	55	55	64	68	65	66	..	63	61	61	62	64	58	.	57	65	60.8
Northern Division																																	
Bens Run	Maximum	88	90	93	95	91	88	84	86	86	85	89	85	86	90	91	92	95	94	97	95	95	89	83	73	77	81	89	90	91	84	88	88.4
	Minimum	64	60	63	63	70	69	68	66	68	69	69	70	66	61	63	64	67	70	70	72	71	64	70	68	67	67	68	65	64	69	69	66.9
Buckhannon	Maximum	80	82	85	88	89	88	82	80	84	84	84	85	80	80	83	86	89	86	90	90	84	79	86	78	75	75	85	86	83	70	77	83.0
	Minimum	55	56	55	58	60	66	62	62	65	60	67	65	64	52	67	55	58	65	66	67	65	67	66	66	63	63	64	57	56	65	65	62.0
Cairo	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Clarksburg *	Maximum	85	84	92	92	93	89	83	85	86	87	89	84	82	86	90	92	93	90	94	95	93	80	83	70	73	79	84	88	87	79	88	86.3
	Minimum	59	52	54	56	62	67	65	62	64	63	66	65	65	53	54	55	57	66	66	68	64	69	68	61	64	66	65	61	56	64	64	62.0
Creston	Maximum	90	89	89	91	95	95	91	90	89	89	89	85	83	86	89	93	95	95	93	97	93	90	90	90	87	90	88	92	94	95	90	90.9
	Minimum	60	56	55	61	61	66	65	63	67	56	56	55	54	54	57	59	63	66	65	66	65	69	69	68	66	66	65	62	67	65	67	62.5
Elkins	Maximum	81	82	87	87	89	85	80	81	82	85	84	81	77	81	86	85	87	85	89	90	90	75	80	70	70	75	78	84	80	74	81	82.0
	Minimum	57	56	52	57	58	64	62	59	65	63	67	63	57	53	52	54	54	64	65	65	65	65	65	65	63	63	62	58	55	64	64	60.5
Fairmont	Maximum	85	87	90	95	95	93	85	87	89	89	89	85	84	88	..	..	..	..	98	97	95	78	82	72	75	78	86	89	86	83	89	87.0
	Minimum	62	55	59	61	68	70	67	65	67	66	71	69	66	57	..	..	..	..	70	73	69	71	68	67	65	65	64	63	60	69	65	65.6
Glenville	Maximum	88	91	94	97	97	89	90	84	86	87	92	90	88	91	92	92	97	97	97	96	92	83	84	80	77	79	89	93	92	90	90	89.8
	Minimum	60	59	56	59	63	68	66	63	68	67	67	68	67	57	59	60	64	68	68	69	68	68	67	60	67	66	69	68	61	68	69	64.7
Grafton	Maximum	88	90	93	93	95	96	82	85	88	87	88	90	81	89	90	93	95	96	93	98	94	95	83	85	75	79	85	91	95	90	83	89.3
	Minimum	60	52	55	60	63	67	64	63	65	64	70	66	66	53	55	56	57	65	68	68	66	69	68	66	64	65	67	60	57	66	64	62.9
Lost Creek	Maximum	84	83	89	91	93	91	82	82	84	86	88	81	78	87	81	85	92	89	90	88	90	77	80	75	70	80	79	81	81	78	84	84.0
	Minimum	58	51	51	55	61	66	63	63	65	63	68	65	65	49	54	53	56	65	66	67	63	69	57	66	65	65	65	59	55	65	64	61.2
Mannington	Maximum	81	81	84	86	88	86	80	80	82	83	83	81	80	81	83	85	88	87	89	90	89	77	79	77	74	74	82	85	83	79	82	82.5
	Minimum	60	52	55	55	66	66	64	63	66	65	69	65	63	52	54	54	57	65	66	66	63	69	67	66	64	66	67	59	57	66	63	62.3
Morgantown	Maximum	90	88	88	85	82	80	85	90	88	90	89	88	90	88	88	90	88	90	89	92	90	79	80	82	81	80	85	90	90	85	90	86.9
	Minimum	55	62	60	55	60	55	60	52	55	60	55	57	52	53	55	60	63	60	60	66	65	63	56	55	55	52	55	60	48	50	58	57.2
New Cumberland	Maximum	84	87	91	95	85	90	84	91	90	82	89	88	86	88	90	92	95	94	95	96	92	74	80	75	84	79	89	94	90	93	94	88.3
	Minimum	58	56	55	57	65	65	66	64	68	55	55	63	63	56	51	55	60	67	67	68	69	67	63	61	59	64	67	59	60	61	64	61.6
New Martinsville	Maximum	91	90	92	95	91	90	85	89	88	88	90	87	87	90	92	93	95	93	98	92	90	81	80	78	80	81	90	91	91	86	90	88.8
	Minimum	62	59	60	60	70	70	69	65	60	69	70	67	65	59	61	61	64	69	70	70	69	71	70	67	67	67	69	65	62	67	66	65.8
Parkersburg	Maximum	84	85	87	94	84	87	84	88	84	84	87	84	87	85	87	91	94	90	94	94	89	82	79	73	79	84	85	88	87	80	88	86.1
	Minimum	64	62	63	61	70	69	68	67	69	70	68	70	65	60	61	66	68	71	70	72	69	70	70	69	68	67	70	66	65	70	70	67.4
Parsons	Maximum	88	89	91	93	90	89	90	88	86	87	90	83	85	88	94	94	95	94	92	88	84	75	78	81	88	82	80	82	88	81	88	87.1
	Minimum	55	56	55	65	57	58	57	56	57	56	66	58	59	57	54	53	58	65	67	67	65	62	61	65	60	57	57	59	57	58	57	59.3
Pickens	Maximum	76	80	83	85	85	85	76	76	78	81	80	80	73	79	81	85	85	81	86	87	85	82	80	69	70	75	73	81	81	78	64	79.4
	Minimum	51	51	50	58	58	60	56	55	61	59	58	60	60	48	59	49	55	63	61	61	58	59	60	61	61	60	60	53	55	64	58	57.5
Wellsburg	Maximum	85	87	91	94	90	91	83	88	90	84	88	82	85	88	90	92	95	92	94	95	92	80	82	74	82	81	88	92	89	91	93	88.0
	Minimum	55	49	54	54	67	65	67	63	68	68	67	65	64	52	54	51	58	67	65	65	66	67	64	62	59	64	67	58	54	57	59	61.2
Weston	Maximum	87	93	95	94	90	87	84	88	89	88	90	86	84	85	92	94	94	92	97	95	91	84	85	80	75	80	85	90	85	82	87	88.2
	Minimum	59	54	57	62	68	64	64	66	68	65	68	66	66	52	56	56	62	68	68	69	66	70	68	69	66	65	67	62	57	68	65	63.9
Wheeling (Dam 12)	Maximum	86	87	90	92	92	88	81	86	87	82	86	86	84	87	92	93	94	93	93	95	95	78	82	75	81	80	88	91	90	87	92	87.5
	Minimum	61	57	60	61	67	67	68	65	70	69	71	62	66	58	59	61	65	69	70	70	71	65	67	65	63	61	67	63	61	58	65	64.6
Southern Division																																	
Beckley	Maximum	79	82	86	89	90	86	83	82	79	84	86	83	77	82	84	86	86	88	91	88	88	82	83	76	74	77	81	84	78	72	79	82.7
	Minimum	49	54	52	60	61	59	59	59	62	59	62	62	61	55	54	54	61	64	62	63	60	64	63	63	64	62	56	51	58	62	64	59.3
Bluefield	Maximum	..	84	86	88	89	82	82	..	82	84	86	83	78	80	.	84	86	86	86	87	88	..	86	76	72	77	80	81	.	82	78	82.8
	Minimum	..	51	58	62	64	60	62	..	62	62	64	63	60	58	..	60	62	65	62	62	64	..	63	64	64	62	58	57	..	63	65	61.4
Charleston	Maximum	88	87	91	95	91	87	90	90	87	88	92	83	88	87	89	92	92	88	95	94	87	87	85	74	80	78	85	87	86	73	..	87.2
	Minimum	59	56	53	54	64	65	59	55	58	61	62	69	62	53	53	54	58	63	69	62	63	63	64	62	62	58	68	58	58	56	62	59.9
Gary *	Maximum	87		88	87	87	88	86	84	80	86	89	84	79	84	87	89	89	88	91	91	89	85	88	82	78	82	85	86	82	77	86	85.5
	Minimum	58	61	..	60	61	64	64	64	66	64	68	67	65	65	59	60	61	66	67	66	67	68	68	66	68	67	62	63	61	67	68	64.5
Hinton *	Maximum	89	89	94	96	96	94	92	90	76	90	95	88	82	87	90	94	95	92	96	96	95	89	87	77	74	83	88	82	83	73	88	88.4
	Minimum	58	59	59	61	65	64	65	63	64	65	64	64	66	63	59	60	61	65	67	67	68	67	69	68	67	65	63	64	59	62	66	63.7
Huntington	Maximum	90	90	92	95	89	89	91	86	86	90	94	87	85	89	94	96	99	95	96	98	94	84	86	80	76	91	89	90	92	84	86	89.8
	Minimum	65	63	59	61	65	72	66	66	69	71	69	71	68	58	60	65	72	74	69	73	69	72	71	70	68	69	67	65	63	70	72	67.6
Lewisburg	Maximum	80	82	83	85	82	81	81	79	76	80	83	77	76	76	77	81	85	82	84	83	84	81	79	70	68	75	78	78	75	72	73	78.9
	Minimum	56	59	58	64	64	64	63	61	67	63	65	64	64	61	57	57	62	69	64	65	65	65	68	66	65	54	63	61	61	66	67	62.9
Madison	Maximum	92	88	..	95	91	..	..	91	85	89	95	84	84	89	92	93	93	94	94	95	..	93	84	76	75	84	86	..	88	76	88	88.2
	Minimum	59	59	..	59	67	..	..	63	66	69	66	69	63	62	63	68	68	66	69	68	..	68	68	68	67	66	66	..	62	69	67	65.6
Point Pleasant	Maximum	89	90	93	97	93	88	90	90	87	91	91	87	86	90	90	96	98	95	95	99	96	86	85	83	79	89	90	93	92	79	88	90.2
	Minimum	63	60	60	61	66	69	67	65	68	69	68	68	67	58	60	64	67	70	68	70	70	71	69	68	69	67	65	64	62	68	70	66.2
Rainelle	Maximum	83	83	85	87	89	84	82	82	78	84	87	78	77	82	83	85	87	88	89	88	87	81	81	68	69	77	80	81	77	72	79	81.7
	Minimum	51	54	50	48	48	60	59	53	60	59	59	59	60	55	52	51	51	51	63	62	60	61	65	64	64	62	56	57	55	63	65	57.8
Ravenswood	Maximum	87	86	91	94	85	86	87	86	84	86	89	85	85	86	88	93	93	95	92	94	87	85	77	72	71	79	80	90	84	83	80	85.8
	Minimum	59	58	55	56	63	68	64	63	67	68	65	65	62	53	54	54	63	69	62	63	66	67	67	67	66	65	63	59	56	66	69	62.6
Richwood	Maximum	84	81	83	90	90	86	82	82	82	85	85	79	76	81	84	86	87	86	88	86	87	80	82	81	75	76	80	83	81	72	79	82.5
	Minimum	51	51	59	60	62	60	57	60	60	60	62	62	54	52	53	57	60	63	62	61	63	65	63	64	62	58	52	53	59	67	59	59.1
Robertsburg*	Maximum	88	88	94	97	88	91	92	89	89	91	92	93	86	93	95	99	93	93	93	95	93	88	84	77	75	88	87	93	92	78	90	89.8
	Minimum	60	61	58	60	65	69	63	63	67	69	68	68	69	56	58	62	68	68	68	71	70	71	70	69	68	68	65	64	62	67	70	65.0
Ryan	Maximum	86	85	88	95	90	87	85	87	89	87	93	80	80	85	90	95	95	95	95	95	85	85	85	80	82	83	85	88	90	76	80	87.1
	Minimum	58	58	54	57	62	67	63	62	65	67	67	62	64	53	57	68	52	65	65	62	68	65	69	68	69	67	62	61	61	58	68	62.7
Spencer *	Maximum	85	85	84	86	87	88	88	89	89	89	89	88	89	85	89	94	95	90	96	96	91	88	84	74	81	84	88	88	91	75	85	87.4
	Minimum	57	59	57	60	61	57	60	58	60	59	65	70	63	54	58	60	65	71	67	70	67	69	70	69	69	67	64	63	59	69	69	63.4
Sutton	Maximum	81	88	90	95	95	93	90	88	85	85	88	88	82	85	88	92	94	94	97	97	93	87	87	85	71	78	84	87	90	90	85	88.
	Minimum	56	60	54	59	61	65	63	60	66	64	64	65	66	56	56	57	61	68	65	66	65	66	66	56	57	65	66	62	58	58	62	61.
Union	Maximum	..	84	87	89	88	87	83	..	83	83	84	84	77	80	..	86	87	87	88	91	92	..	89	74	74	89	81	83	..	82	73	84.
	Minimum	..	53	55	60	60	60	59	..	55	61	65	59	60	59	..	53	58	63	60	62	62	..	60	65	64	62	60	60	..	59	65	60.
White Sulphur Spgs.	Maximum	83	86	89	89	85	83	84	85	79	85	88	82	86	83	82	86	85	87	88	93	91	90	83	80	76	79	72	80	81	75	80	83.
	Minimum	54	52	52	58	60	60	62	55	63	60	64	62	63	58	55	54	56	62	62	64	64	61	68	65	65	63	61	59	56	65	66	60.
Williamson*	Maximum	91	91	92	96	92	88	90	87	88	90	92	81	82	87	91	93	92	93	95	94	90	86	84	82	77	83	88	89	87	89	89	88.
	Minimum	60	65	63	62	62	68	66	65	67	68	70	68	69	66	63	65	68	71	68	68	69	70	72	68	68	69	67	66	63	67	69	66.

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.095	.079	.311	.219	.242	.209	.113	.008	.274	.074	.093	.181	.084	.164	.168	.194	.215	.191	.032	.333	.234	.191	.073	.072	.109	.000	.000	.090	.203	.231	.041	4.52
	Wind movement	8	21	24	18	25	18	26	27	16	23	12	23	43	21	8	11	19	21	54	12	33	9	36	14	10	21	9	27	8	8	11	61

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 9 28-37—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., SEPTEMBER 1937 No. 9

GENERAL SUMMARY

September was considerably cooler and slightly drier than the average, being the coolest since 1928 and the sixth coolest in the past 47 years. The month opened unseasonably warm, but after the 4th the temperature averaged from normal to considerably below during the remainder of the month. Cool weather prevailed on the 17-18th, with below freezing temperatures. An extreme low reading of 23° was noted at Bayard on the 18th. Heavy to killing frosts occurred in the northern half of the State, except along the Ohio river. This is considerably earlier than the average date of first killing frost in autumn. Not much damage resulted due to the early maturity of most crops. Rainfall occurred mostly from the 4th to 7th, and light scattered showers during remainder of the month. Many stations had from 15 to 20 consecutive days without precipitation, and many small streams and springs became dry. The number of clear days and resulting percentage of sunshine were appreciably above the normal. Most of the month was favorable for late summer crops, corn matured over most of the State, but some late corn was caught by frosts.—*H.C.D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 62.1°, or 2.9° below normal; for the northern division, 63.1°, or 3.4° below normal; for the southern division, 63.9°, or 3.0° below normal; and for the State, 63.2°, or 3.2° below normal. The highest monthly mean temperature was 67.8° at Huntington, and the lowest, 54.8° at Terra Alta. The highest temperature was 98° at Romney on the 3d, and Wellsburg on the 2d; and the lowest was 23° at Bayard on the 18th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 2.21 inches, or 0.56 inch below normal; for the northern division, 2.54 inches, or 0.52 inch below normal; for the southern division, 1.63 inches, or 1.12 inches below normal; and for the State, 2.18 inches, or 0.73 inch below normal. The greatest monthly precipitation was 4.95 inches at Weston, and the least 0.45 of an inch at Piedmont. The greatest amount in any 24 consecutive hours was 3.34 inches at Brownsville on the 5th.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

Fogs, dense: 1st, 2; 2d, 2; 3d, 3; 4th, 1; 7th, 1; 8th, 1; 10th, 6; 12th, 8; 13th, 3; 14th, 3; 15th, 4; 16th, 5; 17th, 1; 18th, 8; 19th, 3; 20th, 6; 21st, 6; 22d, 10; 23d, 8; 24th, 6; 25th, 8; 26th, 1; 27th, 3; 28th, 2; 29th, 10; 30th, 10.

MISCELLANEOUS PHENOMENA (Continued)

Frosts, heavy: 18th, 4; 20th, 2; 21st, 2.

killing: 15th, 1; 17th, 1; 18th, 8; 19th, 1; 20th, 5; 21st, 4; 27th, 1; 28th, 1; 29th, 1; 30th, 1.

Thunderstorms: 2d, 1; 3d, 3; 4th, 3; 5th, 7; 6th, 1; 8th, 1; 9th, 1.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.09	30.42	30	29.71	11	5.9	18	w.	15	87	50	60	79
Columbus, Ohio	30.09	30.44	30	29.68	11	7.6	28	sw.	15	79	46	53	70
Elkins	30.14	30.57	30	29.71	11	4.2	19	sw.	19	97	55	81	61
Parkersburg	30.08	30.47	30	29.67	11	4.9	19	nw.	16	88	52	66	67
Pittsburgh, Pa	30.09	30.50	30	29.65	11	9.0	26	sw.	15	85	49	58	68
Wytheville, Va	30.11	30.54	30	29.72	11	4.6	20	w.	19	93	60	73	56

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8	......	......	0.38	2.20	0.84	1.66	......	......	......	......	......
1892	64.4	92	32	2.23	2.82	2.14	2.57	......	6	......	......	......
1893	65.0	91	29	2.49	2.02	2.80	2.28	......	6	......	......	......
1894	67.8	98	31	3.49	2.14	2.93	2.50	......	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	......	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	......	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.....	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	......	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	......	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	......	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	......	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	......	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	......	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	......	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	......	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	......	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	......	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	.95	......	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	......	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	......	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	......	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.....	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	......	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	......	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	......	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.....	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	......	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	......	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	......	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	......	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	......	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	5.96	......	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	......	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	......	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	......	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	......	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	......	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	......	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	......	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	......	9	15	8	7
1935	65.0	94	**22**	4.55	3.49	2.52	3.30	......	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	......	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	......	7	16	8	6
Period	66.4	107	22	2.77	3.06	2.75	2.91	T.	8	15	8	7

Climatological Data for September 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panh	*andle Division*																			
Bayard	Grant	2,375	36	57.4	−3.5	89	†2	23	†18	49	0.65	−2.66	0.39	0.0	4	23	2	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	62.6	−2.1	92	4	30	†18	46	2.35	−.03	1.00	.0	5	20	1	9	n.	E. L. Keister
Circleville	Pendleton	....	5	....	....	....	....	....	....	....	4.53	....	1.10	.0	11	....	....	....	....	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	....	....	....	....	....	....	....	1.99	−.67	.85	.0	6	....	....	....	....	Eleanor White
Kearneysville	Jefferson	548	7	63.2	....	95	4	36	18	37	2.96	....	2.09	.0	6	19	6	5	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	^{a}65.1	−1.8	^{a}97	4	39	18	^{a}39	2.14	−.78	1.00	.0	7	19	8	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	41	61.8	−4.0	96	3	28	20	48	1.47	−.81	.89	.0	7	17	6	7	w.	R. E. Saville
Piedmont	Mineral	1,053	24	61.4	−4.3	90	4	34	27	33	.45	−1.96	.28	.0	3	17	8	5	se.	C. A. Suter, Jr.
Romney	Hampshire	824	39	63.4	−3.4	98	3	31	18	38	2.47	−.21	1.40	.0	8	13	12	5	....	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	....	....	....	....	....	....	....	2.78	.00	1.25	.0	6	12	6	12	w.	A. C. Becker
Wardensville	Hardy	1,200	16	^{e}61.6	−2.6	^{e}91	†3	^{d}34	†18	^{e}42	2.57	−.02	1.58	.0	6	....	....	....	....	Reymann Memorial Farm
Division averages	and extremes	....	....	62 1	−2.9	98	3	23	†18	49	2.21	−.56	2.09	.0	6	18	6	6	w.	
Northern Division																				
Aberdeen	Upshur	1,060	13	....	....	....	....	....	....	....	3.15	−.16	2.46	.0	8	13	9	8	w.	L. Else Bond
Alma (near)	Tyler	800	10	....	....	....	....	....	....	....	1.84	−1.13	.97	.0	8	15	10	5	....	D. N. Furbee
Alpena	Randolph	2,571	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Christian Hertig
Benson	Harrison	1,080	13	61.6	−5.3	93	3	29	20	45	2.83	−.80	1.32	.0	8	17	9	4	....	R. D. Marts
Bens Run	Tyler	652	35	66.6	−1.8	94	†1	40	18	38	1.70	−.89	.96	.0	4	19	9	2	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	64.4	−3.2	91	†2	30	21	46	4.03	+.28	3.34	.0	10	11	16	3	....	W. B. Worley
Buckhannon	Upshur	1,411	40	60.0	−4.5	85	†1	32	20	36	2.75	−.21	2.00	.0	6	18	8	4	....	H. A. Darnall
Cairo	Ritchie	680	36	64.0	−4.1	93	3	32	19	51	4.01	+1.21	2.38	.0	5	17	6	7	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	62.4	−5.1	93	†3	33	27	44	2.37	−1.23	1.09	.0	8	15	9	6	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	....	....	....	....	....	....	....	2.31	−1.43	1.61	.0	7	19	8	3	sw.	George W. Blair
Creston	Wirt	640	35	67.2	−.6	94	2	33	18	48	1.48	−1.21	.82	.0	7	22	2	6	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	16	....	....	....	....	....	....	....	2.23	−1.29	.78	.0	10	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	21	....	....	....	....	....	....	....	2.72	−.26	2.00	.0	5	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	16	....	....	....	....	....	....	....	2.52	−.67	1.28	.0	9	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	21	....	....	....	....	....	....	....	1.37	−1.29	.65	.0	5	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	21	....	....	....	....	....	....	....	1.98	−.61	.93	.0	5	....	....	....	....	Lockmaster
Davis	Tucker	3,093	28	....	....	....	....	....	....	....	1.45	−1.85	.52	.0	5	....	....	....	....	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	25	....	....	....	....	....	....	....	2.45	−.14	1.32	.0	6	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	36	60.2	−2.8	88	1	33	18	39	3.83	+.68	1.65	.0	10	9	15	6	n.	U. S. Weather Bureau
Fairmont	Marion	883	31	64.5	−2.9	94	3	36	†20	40	2.84	−.11	1.39	.0	7	16	9	5	w.	J. C. Robinson
Glenville	Gilmer	738	43	65.2	−3.3	96	†2	36	20	44	2.35	−.87	.87	.0	8	18	1	11	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	65.2	−1.9	95	2	34	27	44	2.57	−.04	2.16	.0	8	18	8	4	....	L. W. Clayton
Hastings	Wetzel	809	2	....	....	....	....	....	....	....	2.35	....	1.40	.0	5	18	9	3	w.	L. G. McIntyre
Horner	Lewis	1,044	14	....	....	....	....	....	....	....	3.70	+.17	3.00	.0	5	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	14	....	....	....	....	....	....	....	3.17	−.07	2.31	.0	7	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	39	60.8	−4.6	90	2	31	†20	42	2.61	+.38	1.49	.0	6	18	7	5	w.	Allen Smith
Mannington	Marion	985	34	60.3	−4.6	87	3	32	27	38	2.63	+.24	1.29	.0	7	14	11	5	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	60.6	−6.9	90	†1	33	24	42	1.71	−1.16	1.50	.0	3	17	9	4	....	Bruce Davis
New Cumberland	Hancock	671	39	64.7	−.8	96	†2	37	18	38	3.28	+.37	2.55	.0	6	15	6	9	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	65.7	−2.8	93	†1	39	†18	40	2.65	−.38	1.60	.0	3	16	11	3	s.	Wm. Ankrom
Parkersburg	Wood	615	50	64.6	−2.7	92	2	36	18	39	1.30	−1.46	1.12	.0	6	11	16	3	ne.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	63.2	−.5	93	†2	36	18	41	1.66	−1.49	....	.0	2	20	3	7	....	J. W. Swisher
Parsons No. 2	Tucker	1,649	11	....	....	....	....	....	....	....	1.79	−1.36	1.20	.0	6	21	5	4	....	....
Philippi	Barbour	1,550	40	....	....	....	....	....	....	....	2.69	−.61	.95	.0	9	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	34	59.0	−2.8	84	†3	29	18	40	3.06	−1.04	.70	.0	11	16	7	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	....	....	....	....	....	....	....	2.31	−1.09	1.50	.0	8	21	4	5	....	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	....	....	....	....	....	....	....	2.70	.00	1.62	.0	5	....	....	....	....	Edward Hughes
Terra Alta ^{c}	Preston	2,559	36	54.8	−7.0	85	†2	25	17	48	1.38	−2.43	1.30	.0	5	^{b}14	^{b}2	^{b}12	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	8	....	....	....	....	....	....	....	1.76	....	.66	.0	8	....	....	....	....	H. L. Stiles
Valley Chapel	Lewis	1,011	14	63.6	−4.4	94	4	31	27	41	3.51	+.19	3.10	.0	6	16	7	7	w.	J. C. Campbell
Vandalia	Lewis	1,120	14	....	....	....	....	....	....	....	1.75	−1.52	1.28	.0	4	....	....	....	....	James B. Kelley
Wellsburg	Brooke	668	30	62.2	−2.2	98	2	30	18	52	2.00	−.99	.95	.0	6	20	7	3	....	George P. Pfister
West Milford	Harrison	979	12	....	....	....	....	....	....	....	2.38	−.89	2.05	.0	3	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	65.4	−2.3	94	†2	35	20	52	4.95	+2.32	2.52	.0	8	5	22	3	....	A. Henry
Wheeling (Dam 12)	Ohio	659	50	64.6	−2.8	95	2	36	18	43	3.60	+.68	2.43	.0	7	13	11	6	sw.	Lockmaster
Woodlands	Marshall	637	10	....	....	....	....	....	....	....	1.96	−1.02	.88	.0	7	....	....	....	....	R. W. Rist
Division averages	and extremes	....	....	63.1	−3.4	98	2	25	17	52	2.54	−.52	3.34	.0	7	16	9	5	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	11	....	....	....	....	....	....	....	2.28	−.25	.53	.0	9	19	4	7	w.	H. S. Sutton
Bancroft	Putnam	574	33	65.8	−2.6	96	3	31	28	44	.80	−2.08	.52	.0	3	12	11	7	w.	Fred D. Smith
Beckley	Raleigh	2,440	34	60.6	−2.6	86	4	29	†18	44	2.61	+.07	1.31	.0	11	12	11	7	....	L. A. Mauck
Bluefield ^{f}	Mercer	2,558	42	62.4	−3.8	86	3	34	18	37	2.80	+.48	1.88	.0	7	....	....	....	....	Norfolk & Western Ry.
Charleston	Kanawha	600	34	64.0	−6.9	92	†2	35	18	46	.85	−2.13	.55	.0	4	18	7	5	....	Charleston Daily Mail
Clay	Clay	706	21	....	....	....	....	....	....	....	3.01	−.21	2.15	.0	10	....	....	....	....	S. E. Woofter
Gary	Mc Dowell	1,426	21	65.0	−3.5	90	†2	39	18	39	.91	−2.08	.30	.0	8	....	....	....	....	U. S. Coal & Coke Co.
Hinton	Summers	1,431	40	66.3	−1.7	95	+2	40	18	42	1.60	−1.09	.60	.0	9	21	3	6	....	Mrs. M. L. McClung
Hogsett	Mason	564	21	....	....	....	....	....	....	....	1.10	−1.08	.85	.0	3	....	....	....	....	U. S. Engineers Office
Huntington	Cabell	538	40	67.8	−1.2	96	3	40	20	39	1.15	−1.30	.94	.0	4	11	13	6	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	....	....	....	....	....	....	....	.55	−2.61	.20	.0	5	....	....	....	....	J. O. Brown
Kayford	Kanawha	1,335	21	....	....	....	....	....	....	....	1.28	−2.10	.52	.0	8	....	....	....	....	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	60.9	−3 4	82	†2	36	18	30	1.17	−1.52	.80	.0	7	16	8	6	....	J. K. Monroe
Logan	Logan	700	34	....	....	....	....	....	....	....	2.10	−1.05	1.21	.0	8	....	....	....	....	Paul A. Simonds
London	Kanawha	623	1	66.6	....	92	†2	43	†27	38	1 03	....	.17	.0	9	15	0	15	se.	Lockmaster
Madison	Boone	675	16	^{c}66.2	−1.5	^{c}93	2	^{c}41	†18	^{c}35	1.44	−2.02	1.07	.0	5	16	8	6	....	C. B. Whitlock
Marlinton ^{d}	Pocahontas	2,125	37	61.9	+.7	89	3	32	27	45	1.15	−1.86	.56	.0	7	9	6	11	....	M. B. Bruce
Point Pleasant	Mason	595	44	66.4	+.5	95	1	38	27	43	1.55	−.86	.84	.0	5	13	11	6	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	58.6	....	87	1	31	†18	40	2.91	....	1.26	.0	16	16	2	12	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	63.2	−6.2	97	2	32	18	39	1 65	−.65	.82	.0	4	20	2	8	ne.	Lockmaster
Richwood	Nicholas	2,193	7	60.4	....	87	2	33	†17	39	3.18	....	1.31	.0	14	16	11	3	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	66.1	−2.3	96	1	37	18	44	1.58	−.88	.66	.0	6	18	0	12	....	M. Frazier
Ryan	Roane	700	34	63.6	−1.0	95	2	32	20	46	1.47	−1.53	.95	.0	5	15	7	8	....	Wm E. Ryan
Spencer	Roane	789	33	64.4	−2.1	95	2	34	†18	49	.80	−2.08	.42	.0	5	19	7	4	....	A. M. McKown
Summersville	Nicholas	1,894	4	....	....	....	....	....	....	....	2.61	....	1.00	.0	6	....	....	....	....	Daisy Butler
Sutton	Braxton	850	31	65.0	−3.7	94	†2	36	18	40	1.90	−1.45	.70	.0	6	24	0	6	....	C. B. Eakle
Union ^{d}	Monroe	2,250	33	62.4	−3.7	88	†2	32	†18	44	.64	−1.91	.30	.0	6	18	5	3	....	C. B. King
Wayne	Wayne	598	10	....	....	....	....	....	....	....	1.77	−1.32	1.09	.0	4	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	27	61.4	−3.5	92	4	33	21	39	1.60	−1.24	.90	.0	3	21	1	8	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	67.0	−2.7	91	2	42	27	36	1.29	−1.70	.60	.0	8	13	14	3	nw.	J. E. Dotson
Division averages	and extremes	....	....	63.9	−3.0	97	2	29	†18	49	1.63	−1.12	2.15	.0	7	16	7	7	w.	
State averages and	extremes	....	....	63.2	−3.2	98	†2	23	†18	52	2.18	−.73	3.34	.0	7	16	8	6	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for September 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac					.39	.03					.12																	.11				0.65
Brandywine	do					1.00	.15	.90				T.						.10											.20				2.35
Circleville ||||	do	.27	.42	.09	T.	.94	1.10	.66				.17	.29				.19	.31			T.						T.		.09				4.53
Harpers Ferry ||||	do					.22	.85	.07									T.	.16										T.	.66	.03			1.99
Kearneysville	do				.70	1.39		T.				.02						.20									.06	.59					2.96
Martinsburg ||||	do					.23	1.00	.07	.02			T.	T.				T.	.30										T	.50	.02			2.14
McNeill	do				.09	.89	.05					.13						.14		T.									.05	.12			1.47
Piedmont	do											.28						.11		T.									.06				.45
Romney	do					1.40	.10	.05				.25				.02		.25										.15	.25				2.47
Stony River Dam ||||	do	1.25		.15		.11	.36					.70					.15																2.78
Upper Tract	do																																
Wardensville ||||	do							1.58				.05						.20									.02		.70				2.57
Northern Division																																	
Aberdeen	Monongahela					2.46	.09	.11				.08						.14		.09							.15		.03				3.15
Alma (near)	Ohio			.11	.24	.97						.29				.07		.08		.01							.07						1.84
Alpena	Monongahela																																
Benson	do				.92	1.32	.05	.12				.05						.22		.05							.10						2.83
Bens Run	Ohio				.50	.96						.21				.03				T.													1.70
Brownsville	Monongahela		.02			3.34	.04	.23				.12	.01					.15		.03							.05		.04				4.03
Buckhannon	do					2.00	.20	.10				.15				T		.15		T.								T.	.15				2.75
Cairo	Litl. Kanawha			1.35		2.38	.05					.11						.12															4.01
Clarksburg ||||	Monongahela					.93	1.09	.09				.04						.15		.03	.02						.02						2.37
Crawford	do					1.61	.06	.09								T.		.25		.12							.12		.06				2.31
Creston ||||	Litl. Kanawha				.30	.82					.10	.01	.05				.11									.09							1.48
Dam 10, Mon. R. ||||	Monongahela				.22	.78	.75	.14				.10	.04					.10		.02							.07		.01				2.23
Dam 13, O. R. ||||	Ohio					2.00	.53					.01								.06							.12						2.72
Dam 15, Mon. R ||||	Monongahela					1.28	.81	.02				.06	.12					.15		.01							.04		.03				2.52
Dam 19 O. R. ||||	Ohio	T.				.65	.50					.05	T.	.03						T.							.14						1.37
Dam 20 O. R. ||||	do					.73	.93					.14		.05						T.							.08						1.98
Davis ||||	Monongahela					.31	.52						.20					.21		.21							T.						1.45
Elizabeth (D'm 3 LK)	Litl. Kanawha			.33	1.32	.55					.05	T.					.10		T.	T.						.10							2.45
Elkins***	Monongahela	.02			1.41	1.65	.11					.22				.03	T.	.16		.06						T.	.15	.02					3.83
Fairmont ||||	do				1.05	1.39	T.				.08	.09				T.	.17			T.						.03		.03					2.84
Glenville ||||	Litl. Kanawha					.87	.78	.12				.09	.04	.11				.14		T.							.20						2.35
Grafton	Monongahela					2.16	.01	.01				.11	T.			T.		.12		.04							.08		.04				2.57
Hackers Creek	do					2.64						.14						.18		.16													3.12
Hastings	Ohio				.50	1.40	T.					.35				T.		.08		T.							.02						2.35
Horner	Monongahela					3.00	.15					.10								.38								.07					3.70
Ireland	do					1.31	.63					.39																					2.33
Jackson's Mill	do					3.05						.21																					3.26
Jane Lew	do					2.31	.42	.04				.07						.21		.06						.06			T.				3.17
Lost Creek	do				.81	1.49	.04	T.				.06		T.		T.		.18									.03		T.				2.61
Mannington	do				.30	1.29						.31		T.		.02		.17		.02							.02						2.63
Morgantown	do		.11	1.50	T.	T.	T.								.10					T.													1.71
New Cumberland	Ohio			.06	2.55	.35						.11								.02							.19						3.28
New Martinsville	do				1.60	.95						.10																					2.65
Parkersburg***	do		T.	T.	.65	.48					T.	.05	.01	.03		T	T.			T.						.08	T.						1.30
Parsons	Monongahela			T.	T.	T														*	1.66												1.66
Parsons No. 2	do					1.20	.04	T.				.16	T.			T.		.16		.13							T.		.10				1.79
Philippi ||||	do	.32				.95	.15	.40				.05					.02	.23		.36							.21						2.69
Pickens	do		.10		.30	.70	.60	.05				.65				.06	.36			.08							.20	.06					3.06
Roanoke	do					1.50	.15	.07				.20						.20		.04							.10		.05				2.31
Rockford	do					1.84	.05	.02				.06						.21		.15								.10					2.43
Saint Marys ||||	Ohio					1.62	.67					.29		.04													.08						2.70
Terra Alta	Monongahela						1.30					.03					.05											T.					1.38
Thomas ||||	do	.19				.36	.66						.19					.19		.10	.02							.05					1.76
Valley Chapel	do					3.10	.05					.08						.14		.08							.06						3.51
Vandalia	do					1.28		.15				.18						.14															1.75
Wellsburg	Ohio			.52	.95	.24						.09								.02							.18						2.00
West Milford	Monongahela					2.05		.15										.18															2.38
Weston ||||	do					2.52	1.85	.12				.06	.08					.22		.04	T					.06			T.				4.95
Wheeling (Dam 12) ||||	Ohio			.23	.37	2.43	.38					.05								.03							.11						3.60
Woodlands ||||	do					.72	.88	.01				.15	.03							.07							.10						1.96
Southern Division																																	
Arbovale ||||	Gr. Kanawha			.22	.13	.48	.50	.53				.15			.01			.18		T.								.08					2.28
Bancroft	do					.52					.18						.10																.80
Beckley	do			.05	.24	.40	1.31	.15				.09				.08	.05	.06									.10	.08					2.61
Bluefield	do				1.88				.26			.09		.14			.05	.23										.15					2.80
Camden-on-Gauley ||||	Gauley		.52	.03		.37	1.89	.17				.41	.09				.06	.24			.05						.08	.02					3.93
Charleston	Gr. Kanawha						.55					.16						.13			.01												.85
Charleston No. 2	do	.34					.55	.18				.16	.06				T.	.13			.01						.14						1.57
Clay ||||	do	.06				.27	2.15	.07	.06			.23					T.	.09			.04						.03		.01				3.01
Dam 6 G. K. ||||	do	.49					.44	.05					.12	.03				.08									.05	.01					1.27
Dam 25 O. R. ||||	Ohio																																
Gary ||||	Big Sandy		.01				.30	.24				.12	.01				.07	.02									.14	T.					.91
Hinton ||||	do	.02				.03	.56	.60	T.			.11	.04	.22			.01										T.	.01					1.60
Hogsett	Ohio						.85					.21		.04																			1.10
Huntington	do		T.		T.	.94						.08	T.	.03		T.		.10		T.							T.						1.15
Kanawha Falls ||||	Gr. Kanawha						.10	.05					.20					.10									.10						.55
Kayford ||||	do	.03					.52	.34				.09	.06				.09	.06				.06	.17				.01						1.28
Lewisburg	do	T.				.15	.80	.04				.04		.10		T.	.02											.02					1.17
Logan ||||	Guyandotte	.03				T.	.57	1.21	.01			.05	.09				.02				T.						.12						2.10
London	Gr. Kanawha	.05				.15	.17	.14				.15	.17					.08			.03						.09						1.03
Madison ||||	do					1.07	.02				.08						.15									.12							1.44
Marlinton	do	T.		T.	T.	.36	.56	.03						.07		.02		.10										T.	.01				1.15
Point Pleasant ||||	Ohio	.05				T.	.84	.02				.12		.52																			1.55
Rainelle	Meadow Creek	.02	.01	.57		.45	1.26	.07			.02	.27		.05			.05	.03	.01	.01			.01	.01			.07	T.					2.91
Ravenswood (Dam 22	Ohio ||||					.67	.82					.11	T.	T.													.05						1.65
Richwood ||||	Gr. Kanawha			.79	.30	1.31	.11	.02			.07	.14	.01			.03	.19	.02	.03							.06			.10				3.18
Robertsburg ||||	do					.02	.66					.47		.23			.02	.18															1.58
Ryan	do					.95	.03					.35		.03													.11						1.47
Sharples ||||	Coal River						1.05	.86																			T.						1.91
Spencer ||||	Gr. Kanawha					T.	.42	.07				.13		.11				.07			T.												.80
Summersville ||||	do					.75	1.00	.05					.15					.30									.36						2.61
Sutton	do					.70	.30	.25				.30						.15									.20						1.90
Thornwood ||||	do			.14	.89	.75	.83	.15								.17																	2.93
Union	do						.30	.04				.02		.10			.06												.12				.64
Wayne ||||	Big Sandy						1.09					.27						.29									.12						1.77
White Sulpr. Spgs. ||||	Gr. Kanawha																																
Williamson ||||	Big Sandy	.02				.09	.17	.60				.18		.14			T.	.05									.04						1.29

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. |||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for September 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	85	89	89	85	80	70	75	77	75	75	76	75	65	64	76	73	65	68	63	65	75	77	80	80	79	70	64	60	70	69	....	73.8
	Minimum	52	52	55	60	60	52	54	45	43	43	53	50	34	36	40	35	45	23	35	28	26	32	35	33	35	45	23	35	38	32	....	41.0
Brandywine	Maximum	90	89	90	92	80	75	76	70	72	80	75	76	72	74	78	75	70	65	65	70	78	75	80	81	78	72	60	65	75	72	....	75.7
	Minimum	62	60	62	64	60	58	57	60	54	62	64	50	45	44	42	44	54	30	41	30	32	43	42	46	42	50	48	50	47	44	....	49.6
Kearneysville	Maximum	90	91	91	95	80	64	67	77	78	78	77	76	70	72	80	78	69	66	68	71	70	74	77	82	84	68	58	69	71	71	....	75.4
	Minimum	64	64	66	69	57	57	59	56	51	52	55	52	54	47	43	50	53	36	50	40	39	44	45	46	50	41	46	51	44	48	....	51.0
Martinsburg*	Maximum	92	95	95	97	85	66	69	80	82	81	78	80	72	76	84	82	67	72	72	72	75	78	80	85	85	69	55	65	73	..	....	78.0
	Minimum	66	66	68	69	69	53	59	56	50	53	54	52	53	50	45	48	53	39	44	41	41	41	45	49	48	45	44	75	46	45	....	52.2
McNeill	Maximum	91	95	96	93	75	66	71	78	81	78	77	78	69	75	83	78	68	71	69	73	75	79	83	85	86	74	59	56	76	74	....	77.1
	Minimum	58	58	61	62	60	57	59	55	48	56	55	45	45	37	35	38	53	29	37	28	30	38	39	41	40	68	31	44	50	38	....	46.5
Piedmont	Maximum	87	88	88	90	81	64	69	74	75	76	72	72	63	66	68	74	64	64	60	67	70	73	75	77	81	65	55	57	73	75	....	72.1
	Minimum	65	64	66	66	60	56	56	56	53	54	60	59	51	43	44	46	52	35	51	36	38	42	50	51	48	47	34	45	51	43	....	50.7
Romney	Maximum	91	94	98	93	76	67	69	67	85	83	75	76	69	62	68	69	75	65	69	71	73	78	83	83	87	77	53	55	70	70	....	75.0
	Minimum	64	64	66	77	61	61	57	57	52	52	60	57	49	45	42	46	54	31	58	39	37	45	48	49	49	58	36	46	51	46	....	51.9
Wardensville	Maximum	89	89	89	91	..	..	91	77	75	79	79	..	78	68	72	79	75	63	..	67	69	73	79	78	80	84	65	54	56	71	....	75.8
	Minimum	60	61	63	65	..	..	57	49	48	50	55	..	48	41	39	43	53	34	..	34	35	42	45	44	42	51	47	43	43	41	....	47.4
Northern Division																																	
Bens Run	Maximum	94	94	94	93	72	80	81	82	85	83	73	77	70	72	76	73	69	72	72	74	77	85	86	86	85	70	63	73	77	82	....	79.0
	Minimum	68	69	71	70	64	60	61	59	57	59	64	57	52	48	51	48	48	40	49	42	44	47	54	55	55	52	41	47	46	48	....	54.2
Buckhannon	Maximum	85	81	85	85	78	75	74	72	73	78	70	64	64	58	73	68	68	65	54	63	70	78	76	74	72	66	56	60	60	68	....	70.4
	Minimum	65	63	64	65	60	57	59	55	53	62	60	52	48	43	64	43	47	32	44	32	35	42	46	46	45	46	34	44	40	38	....	49.5
Cairo	Maximum	90	91	93	91	89	75	79	81	82	85	81	79	74	70	73	73	75	69	68	72	77	79	86	86	88	82	85	64	75	76	....	79.6
	Minimum	64	66	57	54	65	59	62	55	50	53	64	66	49	44	44	40	47	33	32	33	35	40	48	48	46	42	34	45	39	37	....	48.4
Clarksburg*	Maximum	92	93	93	91	73	78	77	77	83	84	73	71	65	67	73	75	62	70	66	69	69	84	85	85	82	64	61	69	74	81	....	76.2
	Minimum	63	63	65	65	66	56	60	54	52	53	59	52	50	42	44	41	42	35	40	34	36	40	46	46	45	50	33	43	41	41	....	48.6
Creston	Maximum	93	94	93	92	90	90	90	90	87	85	84	84	81	80	82	81	80	79	79	80	80	88	89	89	85	84	80	81	80	82	....	85.1
	Minimum	64	63	67	64	65	60	65	55	52	53	62	51	48	42	43	38	44	33	40	40	39	40	45	45	46	45	40	45	39	44	....	49.2
Elkins	Maximum	88	88	87	86	71	74	79	76	79	78	69	68	61	63	75	71	58	68	61	64	73	82	81	80	77	60	55	66	70	75	....	72.7
	Minimum	60	62	64	65	61	60	60	59	51	52	58	51	44	43	39	46	38	33	37	33	34	43	45	46	47	39	35	42	45	41	....	47.8
Fairmont	Maximum	93	92	94	90	75	81	78	80	84	84	73	72	67	69	74	75	65	73	69	71	77	85	86	85	84	64	65	69	76	81	....	77.7
	Minimum	66	70	68	67	69	57	60	57	54	55	64	54	49	45	47	44	51	39	41	36	39	45	49	48	48	51	36	44	42	43	....	51.3
Glenville	Maximum	93	96	96	88	77	72	84	83	86	79	79	76	72	69	75	69	71	72	73	73	76	87	84	83	83	81	58	69	74	82	....	78.7
	Minimum	65	65	68	67	66	60	64	58	55	56	63	54	51	44	42	47	50	39	43	36	38	43	49	49	49	52	37	49	43	44	....	51.6
Grafton	Maximum	92	95	94	91	78	82	82	85	80	86	86	75	74	68	77	76	76	72	71	72	80	88	89	90	86	80	68	72	76	84	....	80.8
	Minimum	63	64	64	66	60	55	60	56	54	54	60	53	46	44	42	46	50	36	42	35	37	44	48	49	48	51	34	45	40	41	....	49.6
Lost Creek	Maximum	83	90	84	86	80	77	75	74	80	79	74	68	64	64	70	73	62	68	65	68	70	80	82	82	82	77	60	63	73	79	....	74.4
	Minimum	62	61	64	66	62	37	60	53	51	52	62	50	49	41	44	41	49	32	44	31	32	38	44	45	42	50	31	44	41	38	....	47.2
Mannington	Maximum	85	86	87	85	73	75	74	75	77	78	71	68	64	64	70	69	62	66	64	65	72	77	79	78	77	66	59	63	69	74	....	72.4
	Minimum	63	64	66	65	62	55	58	53	50	53	62	52	49	42	42	40	50	33	42	33	35	39	45	44	45	51	32	44	40	38	....	48.2
Morgantown	Maximum	90	89	90	80	60	72	85	80	72	77	68	70	80	82	80	80	79	80	75	80	85	82	80	68	60	70	68	70	72	80	....	76.8
	Minimum	58	52	52	45	59	55	45	38	40	40	38	42	55	48	50	45	45	45	40	42	50	48	38	33	34	40	34	36	37	44	....	44.3
New Cumberland	Maximum	95	96	96	93	92	76	83	81	85	83	78	70	65	73	75	71	64	70	65	68	74	76	79	87	85	82	62	68	75	81	....	78.3
	Minimum	66	68	68	68	62	52	54	55	52	55	63	52	49	47	56	44	41	37	62	38	38	40	54	49	54	45	38	38	44	43	....	51.1
New Martinsville	Maximum	93	93	93	85	74	70	80	80	85	84	84	78	67	79	74	69	68	73	70	74	76	86	89	87	83	71	62	70	78	83	....	78.6
	Minimum	68	68	70	68	63	57	60	58	56	57	64	55	51	47	50	45	47	39	49	39	42	46	52	53	51	50	40	47	45	46	....	52.8
Parkersburg	Maximum	92	92	90	92	72	75	80	79	80	81	71	73	68	69	74	70	63	70	66	68	76	84	85	85	83	63	60	68	75	80	....	76.1
	Minimum	70	70	71	70	63	61	64	61	54	60	62	53	51	46	52	46	44	36	46	38	40	45	56	58	55	47	39	47	43	46	....	53.1
Parsons	Maximum	89	93	93	90	79	77	85	82	82	83	71	74	65	68	79	75	63	74	66	70	78	83	86	85	85	62	68	71	76	76	....	77.6
	Minimum	58	57	65	64	60	58	58	58	57	57	55	53	49	44	39	47	45	36	38	37	37	45	45	48	49	42	36	43	46	42	....	48.9
Pickens	Maximum	79	82	84	84	75	78	79	84	80	76	74	68	62	60	72	68	60	64	68	63	72	77	78	76	74	64	68	63	68	73	....	72.4
	Minimum	59	57	58	60	60	58	60	53	50	50	56	49	44	36	40	38	34	29	39	30	32	43	44	43	49	49	30	37	38	40	....	45.5
Wellsburg	Maximum	96	98	92	86	71	75	82	81	87	84	74	71	66	70	74	72	65	72	72	71	73	87	89	88	86	70	62	70	76	83	....	78.1
	Minimum	64	62	67	64	64	52	53	50	49	50	64	48	47	42	46	36	41	30	47	32	33	35	43	44	45	43	32	33	37	36	....	46.3
Weston	Maximum	91	94	94	93	78	80	82	80	85	85	80	72	68	68	74	73	65	64	65	71	77	86	88	89	88	83	69	73	78	84	....	79.2
	Minimum	64	64	66	66	65	59	63	60	54	64	56	55	51	48	45	46	50	53	45	35	36	42	47	49	47	51	34	44	43	42	....	51.5
Wheeling (Dam 12)	Maximum	94	95	93	93	67	74	81	80	85	83	73	72	68	70	74	70	64	71	67	70	74	85	87	87	84	65	62	70	75	81	....	77.1
	Minimum	68	67	70	70	66	60	57	57	58	55	62	54	50	48	54	45	45	36	42	39	42	44	44	54	54	47	41	42	44	45	....	52.0
Southern Division																																	
Beckley	Maximum	82	81	84	86	80	69	76	79	80	77	72	71	65	66	76	73	67	70	64	59	78	80	81	80	78	67	53	67	72	74	....	73.6
	Minimum	63	60	59	60	61	58	59	58	52	53	57	47	49	35	39	42	47	29	46	29	34	49	51	45	42	45	38	40	39	38	....	47.5
Bluefield	Maximum	85	85	86	84	84	..	..	83	77	74	72	..	72	66	..	76	67	68	..	65	76	78	77	79	69	..	66	66	69	68	....	74.7
	Minimum	61	62	61	62	62	..	..	59	56	56	58	..	48	40	..	42	48	34	..	37	39	51	54	50	47	..	43	41	43	45	....	50.0
Charleston	Maximum	91	92	92	90	86	82	76	78	85	81	80	75	68	68	71	75	67	69	73	72	76	85	85	85	84	79	61	65	74	80	....	78.2
	Minimum	62	69	62	62	55	55	56	56	66	54	56	54	48	40	41	52	43	35	36	36	37	39	54	48	48	49	41	42	49	49	....	49.8
Gary*	Maximum	89	90	88	90	86	76	78	81	83	81	75	76	67	70	79	78	64	72	74	74	80	83	83	81	81	58	58	70	76	76	....	77.2
	Minimum	63	65	65	66	65	69	65	65	56	56	59	57	56	47	44	47	54	39	40	44	41	44	50	49	48	50	47	45	45	44	....	52.8
Hinton*	Maximum	94	95	95	87	88	67	83	85	86	78	76	78	70	76	85	78	70	77	71	77	83	85	85	86	85	62	53	80	79	80	....	79.8
	Minimum	60	65	65	66	66	64	62	63	59	56	57	55	55	47	46	47	53	40	45	42	42	43	50	50	50	50	45	47	49	44	....	52.8
Huntington	Maximum	94	95	96	92	84	77	85	79	85	82	79	80	72	75	78	74	69	74	74	73	82	85	91	88	86	78	62	72	77	81	....	80.6
	Minimum	71	70	70	70	68	63	68	63	59	61	68	57	54	48	52	47	46	41	50	40	43	46	53	55	53	61	42	43	45	47	....	55.1
Lewisburg	Maximum	79	82	82	82	79	72	71	71	72	70	71	70	65	64	71	68	64	63	61	66	69	70	71	72	72	67	53	64	68	65	....	69.8
	Minimum	63	64	64	65	66	61	61	61	59	53	60	51	56	46	41	47	54	36	49	37	40	48	47	48	46	53	45	45	50	45	....	52.0
Madison	Maximum	92	93	91	90	85	74	82	78	86	80	74	78	68	72	79	78	68	73	68	72	..	85	..	..	84	67	65	70	76	82	....	78.1
	Minimum	67	68	70	69	63	64	65	61	58	64	57	55	49	45	50	47	41	41	45	43	..	45	..	..	53	41	44	44	47	45	....	53.4
Point Pleasant	Maximum	95	94	92	91	74	79	85	81	86	82	76	77	74	74	78	75	69	73	72	73	79	85	88	84	84	80	63	71	77	87	....	79.9
	Minimum	69	68	69	68	70	62	66	60	55	59	66	55	50	44	50	46	46	39	48	39	39	44	51	55	53	50	38	43	43	44	....	53.0
Rainelle	Maximum	87	86	84	86	73	67	79	73	69	72	64	71	58	66	75	72	59	69	60	68	71	70	78	73	78	64	50	65	73	70	.. .	71.0
	Minimum	59	58	60	59	60	59	59	59	54	47	57	50	48	39	37	41	47	31	37	31	31	41	41	42	40	39	37	43	43	38	....	46.2
Ravenswood	Maximum	93	97	93	93	70	72	74	84	86	75	75	69	60	73	71	70	65	69	73	72	70	80	80	82	81	78	57	67	70	76	....	75.8
	Minimum	65	64	64	66	65	59	64	54	52	56	63	52	51	41	50	40	41	32	60	36	37	41	50	53	50	51	35	44	39	42	....	50.6
Richwood	Maximum	84	87	85	85	80	68	81	78	80	75	68	71	61	68	75	70	65	70	69	67	76	78	80	79	79	56	55	62	73	74	....	73.3
	Minimum	60	61	61	62	64	59	59	53	52	54	53	51	42	49	44	45	33	42	33	34	37	47	44	42	51	36	37	41	41	42	....	47.6
Robertsburg*	Maximum	96	95	94	90	79	76	86	83	88	80	74	78	68	75	76	70	68	77	70	75	84	88	88	86	85	62	63	73	81	85	....	79.8
	Minimum	69	67	70	69	70	63	64	60	56	57	62	53	53	46	48	47	45	37	40	39	40	44	49	53	54	52	39	40	43	44	....	52.4
Ryan	Maximum	90	95	92	89	77	76	76	80	85	80	70	75	70	70	72	75	65	70	70	70	80	85	87	88	88	65	65	65	80	80	....	77.7
	Minimum	65	64	67	67	67	62	52	52	53	54	63	58	50	42	42	47	45	33	41	32	33	39	58	46	45	48	34	50	38	38	....	49.5
Spencer*	Maximum	92	95	93	92	76	81	83	97	86	83	74	76	68	71	76	71	66	73	73	71	79	86	88	87	86	65	64	70	78	84	....	79.5
	Minimum	67	66	68	67	67	62	60	56	54	55	60	53	50	43	45	42	43	34	42	34	35	37	42	51	48	49	35	39	38	39	....	49.4
Sutton	Maximum	93	94	94	94	94	82	84	84	83	83	79	70	70	70	70	70	70	73	73	70	77	84	85	86	86	82	60	69	75	83	....	79.6
	Minimum	60	63	64	65	62	61	64	60	51	55	61	53	52	43	42	46	49	36	42	39	37	44	47	46	48	50	38	48	43	44	....	50.4
Union	Maximum	85	88	88	87	..	86	77	78	80	80	73	..	74	67	75	76	70	67	..	72	76	77	80	79	80	..	77	68	74	74	....	77.2
	Minimum	61	61	60	61	..	60	60	60	55	50	59	..	46	40	36	48	50	32	..	32	32	48	43	43	40	..	39	43	39	40	....	47.6
White Sulphur Spgs.	Maximum	87	90	90	92	84	90	73	74	72	72	74	75	69	70	78	74	65	67	65	69	70	74	75	75	76	58	51	55	70	69	....	73.4
	Minimum	63	63	64	65	64	60	60	60	51	51	58	49	53	40	39	45	48	34	39	34	33	44	44	47	45	51	39	44	48	43	....	49.3
Williamson*	Maximum	90	91	90	90	86	75	81	80	84	80	77	77	66	71	80	78	66	74	75	72	79	84	84	82	82	65	62	69	76	80	....	78.2
	Minimum	67	68	70	70	71	67	66	68	61	60	65	57	56	49	48	50	48	45	46	47	45	48	53	53	55	55	42	45	47	49	....	55.7

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.114	.160	.064	.170	.205	.158	.045	.025	.106	.219	.016	.103	.214	.070	.015	.048	.106	.110	.092	.091	.106	.091	.088	.106	.100	.113	.085	.078	.074	.072	....	3.044
	Wind movement	8	5	10	16	33	14	7	14	18	8	13	59	17	27	15	43	40	18	30	44	9	11	7	3	10	46	28	36	15	11	....	615

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 10-22-37—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., OCTOBER 1937 No. 10

GENERAL SUMMARY

The outstanding feature of the weather during October was he heavy precipitation. Normally the lightest rainfall month of the year, yet this month's average was the greatest since January. For the State as a whole the average precipitation of 6.99 inches has been exceeded but once since State-wide records began, that, in 1925 when the average was 7.30 inches. Rain fell on almost every day of the month at some places in n the State. Every station reported amounts of one inch or nore in a 24 hour period, while at seven stations amounts in excess of three inches occurred. The average snowfall, 1.2 nches, was also exceptionally heavy, only three other years exceeding the past October record. As a rule the snowfall for October is unimportant. Snow was quite general and heavy n mountain districts on the 22d-24th. Flat Top reported 9 nches and Pickens, 12 inches at an elevation of 3,500 feet. The heavy precipitation caused floods in the Potomac, Monongahela, Little Kanawha and Great Kanawha Rivers. Not much damage resulted. The average number of rainy days, 16, equalled the record made in 1925. The month was exceptionally cloudy and cold, every station having below normal mean temperatures. Killing frosts occurred over the southern division generally on the 15th. At the close of the month fall work was well advanced, corn mostly husked, and wheat in good condition.—*H.C.D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 50.8°, or 2.5° below normal; for the northern division, 51.6°, or 2.7° below normal; for the southern division, 51.6°, or 3 7° below normal; and for the State, 51.6°, or 3.0° below normal. The highest monthly mean temperature was 55.8° at Huntington and Point Pleasant, and the lowest, 45.9° at Pickens. The highest temperature was 91° at Grafton on the 2d and 3d, and the lowest, 11° at Bayard on the 25th, making the monthly range for the State 80°. The greatest daily range was 47° at Cairo on the 4th, and at Hinton on the 30th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 8.96 inches, or 6.23 inches above normal; for the northern division, 6.89 inches, or 3.88 inches above normal; for the southern division, 6.44 inches, or 3.63 inches above normal; and for the State, 6.99 inches, or 4.09 inches above normal. The greater portion of the precipitation was received from the 3d-5th, 9-14th, 18-24th, and the 27-28th, the greatest amounts being measured on the 4-5th and 27-28th. Light snow flurries occurred in the mountain sections on the 9th, and general snows on the 22d-24th. The greatest monthly precipitation was 11.25 inches at Bayard, and the least 3.55 inches at New Cumberland. The greatest amount in any 24 consecutive hours was 3.68 inches at Bayard on the 28th.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 9; 2d, 8; 5th, 1; 6th, 1; 8th, 4; 9th, 1; 11th, 1; 12th, 1; 13th, 1; 14th, 5; 15th, 4; 16th, 2; 17th, 1; 19th, 1; 27th, 1; 29th, 4; 30th, 1; 31st, 2.

Thunderstorms: 5th, 2; 6th, 3; 7th, 2; 20th, 1; 24th, 1; 26th, 8; 27th, 1.

Halos: Lunar, 16th, 17th, 18th and 19th, 1 each: Solar, 16th, 1.

Hail: At New Cumberland during thunderstorms on the 20th and 26th: no damage.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.06	30.54	15	29.42	19	7.7	30	sw.	19	82	57	64	51
Columbus, Ohio	30.05	30.56	16	29.41	19	10.4	43	sw.	19	79	57	63	46
Elkins	30.10	30.67	16	29.51	28	6.4	22	se.	18	87	65	74	37
Parkersburg	30.05	30.57	16	29.48	19	7.0	21	nw.	27	82	59	67	41
Pittsburgh, Pa	30.04	30.62	16	29.49	19	11.3	33	sw.	20	84	61	72	35
Wytheville, Va	30.08	30.58	16	29.53	27	6.7	24	w.	20	83	64	73	37

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	......	7	......	......	......
1892	52.6	89	24	.21	1.05	.48	.83	......	4	......	......	......
1893	54.1	86	16	4.85	4.20	5.91	4.74	......	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	48.1	89	8	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	62.3	102	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	.40	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	7.30	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	8	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
Period	54.6	102	8	2.59	2.92	2.73	2.90	.3	7	16	7	8

Climatological Data for October 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	47.0	−2.2	81	2	11	25	46	11.14	+7.88	3.68	1.5	18	14	3	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	52.3	−1.0	85	6	21	14	46	7.65	+5.28	2.00	......	11	12	0	19	s.	E. L. Keister
Circleville	Pendleton	......	5	......	......	......	......	......	......	......	9.65	......	2.24	......	16	......	......	......	......	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	......	......	......	......	......	......	......	10.44	+7.18	2.35	......	13	......	......	......	......	Eleanor White
Kearneysville [a]	Jefferson	548	7	52.8	......	83	6	24	25	32	8.10	......	2.20	......	14	9	10	12	s.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	51.8	−2.9	83	6	27	25	36	8.35	+5.28	2.50	T.	12	15	9	7	w.	Dr. H. S. Gardner
McNeill	Hardy	800	41	50.4	−3.7	86	6	18	†15	44	8.61	+6.30	2.08	......	14	11	7	13	w.	R. E Saville
Piedmont	Mineral	1,053	24	50.0	−3.4	81	6	23	25	33	8.72	+6.07	3.00	......	11	11	8	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	39	50.2	−4.7	88	6	23	25	30	9.10	+6.55	2.96	T.	16	10	13	8	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	......	......	......	......	......	......	......	10.02	+6.82	3.00	1.5	14	2	11	18	w.	A. C. Becker
Wardensville [c]	Hardy	1,200	16	52.2	−.4	81	3	23	25	[f]34	6.73	+3.57	2.20	......	15	......	......	......	......	Reymann Memorial Farm
Division averages	and extremes	......	......	50.8	−2.5	88	6	11	25	46	8.93	+6.23	3.68	.8	14	10	8	13	w.	
Northern Division																				
Aberdeen	Upshur	1,060	13	......	......	......	......	......	......	......	8.38	+4.84	2.46	1.8	18	5	9	17	w.	L. Else Bond
Alma (near)	Tyler	800	10	......	......	......	......	......	......	......	6.09	+3.37	1.00	......	17	7	5	18	......	D. N. Furbee
Alpena	Randolph	2,571	7	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Christian Hertig
Benson	Harrison	1,080	13	50.8	−2.1	85	2	20	15	45	7.32	+3.76	1.70	3.5	19	10	9	12	......	R. D. Marts
Bens Run	Tyler	652	35	53.6	−3.0	86	6	30	15	33	5.74	+2.72	.92	T.	16	15	7	9	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	......	......	......	......	24	25	..	8.04	+4.62	1.90	.7	19	5	18	8	......	W. B. Worley
Buckhannon	Upshur	1,411	40	......	......	...	......	25	†15	......	8.30	+5.16	2.70	2.0	15	14	3	14	......	H. A. Darnall
Cairo	Ritchie	680	36	[a]53.5	−2.3	86	6	24	15	47	4.94	+2.02	1.30	......	12	11	3	17	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	50.8	−2.6	89	2	21	25	45	6.72	+3.59	1.82	T.	19	8	7	16	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	14	......	......	......	......	......	......	......	8.57	+5.08	2.36	2.0	18	11	6	14	sw.	George W. Blair
Creston	Wirt	640	35	......	......	......	......	20	15	......	6.70	+3.55	1.85	.1	16	12	2	17	......	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	16	......	......	......	......	......	......	......	6.24	+3.07	1.98	......	15	......	......	......	......	Lockmaster
Dam 13 O. R.	Ohio	655	21	......	......	......	......	......	......	......	4.72	+2.03	.92	......	16	......	......	......	......	Lockmaster
Dam 15 Mon. R.	Marion	882	16	......	......	......	......	......	......	......	6.59	+3.35	1.93	......	15	......	......	......	......	Lockmaster
Dam 19 O. R.	Wood	600	21	......	......	......	......	......	......	......	4.26	+1.61	1.10	......	15	......	......	......	......	Lockmaster
Dam 20 O. R.	Wood	600	21	......	......	......	......	......	......	......	4.58	+1.83	1.50	.2	15	......	......	......	......	Lockmaster
Davis	Tucker	3,093	28	......	......	......	......	......	......	......	10.98	+7.57	2.40	1.1	13	......	......	......	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	25	......	......	......	......	......	......	......	5.13	+2.21	1.15	......	15	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	36	48.8	−3.5	82	2	22	25	39	8.31	+5.40	2.04	1.7	18	4	9	18	se.	U. S. Weather Bureau
Fairmont	Marion	883	31	52.0	−3.1	87	6	22	25	41	6.44	+3.33	1.97	1.8	16	10	6	15	w.	J. C. Robinson
Glenville	Gilmer	738	43	53.5	−2.7	86	†6	26	†15	41	7.27	+4.06	1.80	T.	15	12	4	15	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	54.3	−.9	91	†2	24	15	44	6.29	+3.33	1.50	.2	19	12	7	12	......	L. W. Clayton
Hastings	Wetzel	809	2	......	......	......	......	......	......	......	5.47	......	1.38	T.	18	6	9	16	w.	L. G. McIntyre
Horner	Lewis	1,044	14	......	......	......	......	......	......	......	8.81	+5.14	2.00	......	18	...	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	14	......	......	......	......	......	......	......	7.47	+4.15	2.00	......	18	......	......	......	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	39	52.1	−2.1	84	6	22	15	44	7.78	+4.79	2.26	2.0	18	11	4	16	w.	Allen Smith
Mannington	Marion	985	34	50.8	−2.8	82	2	22	16	39	6.44	+3.27	1.82	1.1	20	12	1	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	50.2	−5.0	80	†1	25	†15	......	4.97	+1.82	1.10	T.	13	......	......	......	......	Bruce Davis
New Cumberland	Hancock	671	39	53.4	−.6	87	†1	29	†16	40	3.55	+.83	.91	T.	15	7	6	18	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	54.0	−2.8	85	6	27	15	37	4.75	+1.63	.90	T.	13	8	7	16	n.	Wm. Ankrom
Parkersburg	Wood	615	50	53.5	−2.6	86	6	28	15	32	3.67	+1.19	.98	.2	16	8	6	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	50.7	−.8	85	2	23	25	40	8.95	+5.68	3.78	T.	12	8	7	16	......	J. W. Swisher
Parsons No. 2	Tucker	1,649	11	......	......	......	......	......	......	......	6.90	+3.63	2.65	T.	18	10	7	14	......	Robert T. Deem
Philippi	Barbour	1,550	40	......	......	......	......	......	......	......	9.63	+6.49	2.58	.2	16	......	......	......	......	H. F. Brittinham
Pickens [a]	Randolph	2,697	34	45.9	−5.8	80	2	14	†24	43	10.62	+6.58	2.58	8.0	20	13	5	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	......	......	......	......	......	......	......	9.86	+6.44	3.46	T.	18	11	0	20	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	......	......	......	......	......	......	......	5.50	+2.64	1.45	T.	14	......	......	......	......	Edward Hughes
Terra Alta	Preston	2,559	36	......	......	......	......	......	......	......	9.12	+5.23	2.20	1.2	13	......	......	......	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	8	......	......	......	......	......	......	......	10.90	......	3.19	1.0	15	......	......	......	......	H. L. Stiles
Valley Chapel	Lewis	1,011	14	53.2	−2.2	85	†2	24	15	40	6.70	+3.29	1.75	3.0	18	11	6	14	w.	J. C. Campbell
Vandalia	Lewis	1,120	14	......	......	......	......	......	......	......	8.89	+5.92	2.35	2.0	12	......	......	......	......	James B. Kelley
Wellsburg	Brooke	668	30	51.3	−2.2	87	6	22	16	45	4.32	+1.60	.78	T.	14	10	5	16	w.	George P. Pfister
West Milford	Harrison	979	12	......	......	......	......	......	......	......	7.09	+2.87	1.83	......	15	......	......	......	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	53.6	−1.9	85	6	26	15	40	7.91	+5.10	2.10	3.3	17	2	16	13	......	A. Henry
Wheeling (Dam 12)	Ohio	659	50	52.6	−2.3	86	†1	28	14	37	3.91	+1.18	.70	T.	12	7	7	17	sw.	Lockmaster
Woodlands	Marshall	637	10	......	......	......	......	......	......	......	4.98	+2.02	1.10	......	16	6	8	17	sw.	R. W. Rist
Division averages	and extremes	......	......	51.6	−2.7	91	†2	14	†24	47	6.89	+3.88	3.78	1.1	16	9	7	15	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	11	......	......	......	......	......	......	......	8.00	+5.36	2.50	1.5	16	12	4	15	n.	H. S. Sutton
Bancroft	Putnam	574	33	53.0	−3.6	90	†6	21	24	42	5.42	+2.44	1.41	T.	15	6	10	15	w.	Fred D. Smith
Beckley	Raleigh	2,440	34	48.7	−4.2	83	2	17	15	38	7.09	+4.11	1.86	10.0	19	6	12	13	......	L. A. Mauck
Bluefield [e]	Mercer	2,558	42	50.0	−5.7	81	2	22	15	33	8.06	+5.29	2.88	4.0	15	......	......	......	......	Norfolk & Western Ry.
Charleston	Kanawha	600	31	53.4	−5.5	86	6	29	14	38	6.34	+3.30	2.24	T.	16	10	5	16	......	Charleston Daily Mail
Clay	Clay	706	21	......	......	......	......	......	......	.	6.85	+3.87	1.76	T.	15	......	......	......	......	S. E. Woofter
Gary	McDowell	1,426	21	51.4	−4.2	[a]86	2	26	15	[a]43	6.91	+4.01	2.00	1.0	18	......	......	......	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	0	51.3	......	87	†2	26	15	42	4.36	......	.80	T.	17	9	11	11	sw.	State Forest Nursery
Hinton	Summers	1,431	40	51.2	−5.8	88	6	27	†15	47	6.01	+3.18	1.19	.0	14	18	3	10	......	Mrs. M. L. McClung
Hogsett	Mason	564	21	......	......	......	......	......	......	......	4.86	+2.23	.90	.0	15	......	......	......	......	U. S. Engineers Office
Huntington	Cabell	538	40	55.8	−.6	88	6	28	15	35	4.20	+1.68	.78	T.	14	7	12	12	nw.	H. N. Robinson
Kayford	Kanawha	1,335	21	......	......	......	......	......	......	......	7.78	+4.46	3.28	T.	18	......	......	......	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	49.8	−3.4	76	6	27	†15	27	6.52	+3.52	1.82	2.0	17	10	4	17	......	J. K. Monroe
Logan	Logan	700	34	......	......	......	......	......	......	...	6.08	+3.03	2.41	T.	16	......	......	......	......	Paul A. Simonds
London	Kanawha	623	1	53.3	......	85	†2	30	†15	37	7.28	......	2.80	.0	17	10	0	21	se.	Lockmaster
Madison [e]	Boone	675	16	51.9	−3.7	86	6	27	15	42	6.53	+3.90	2.69	.0	13	......	......	......	......	C. B. Whitlock
Marlinton [b]	Pocahontas	2,125	37	48.6	−1.0	81	2	20	†15	37	8.50	+5.51	2.05	......	16	......	......	......	......	M. B. Bruce
Point Pleasant	Mason	595	44	55.8	−1.4	87	2	26	15	41	4.90	+2.11	.98	.0	18	8	9	14	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	46.6	......	86	2	18	15	46	8.02	......	2.00	7.5	21	12	4	15	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	54.2	−2.1	87	6	24	15	34	4.20	+1.41	1.00	.0	15	12	2	17	sw.	Lockmaster
Richwood	Nicholas	2,193	7	48.4	......	82	2	22	14	41	8.27	......	2.95	6.0	18	8	6	17	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	53.3	−3.3	88	†2	26	15	43	4.50	+1.79	1.20	.0	18	13	0	18	......	M. Frazier
Ryan	Roane	700	34	51.9	−.8	85	6	21	15	44	6.70	+3.55	1.50	.3	16	13	6	12	......	Wm E. Ryan
Spencer	Roane	789	33	51.7	−3.2	88	2	22	15	45	5.62	+2.46	1.47	1.0	17	4	13	14	......	A. M. McKown
Summersville	Nicholas	1,894	4	......	......	......	......	......	......	......	9.07	......	2.16	......	14	......	......	......	......	Daisy Butler
Sutton	Braxton	850	31	52.8	−3.9	85	†2	19	15	43	7.75	+4.76	2.00	4.0	17	14	0	17	......	C. B. Eakle
Union [e]	Monroe	2,250	33	49.6	−4.8	82	†2	17	15	39	6.78	+4.05	1.75	.0	13	......	......	......	......	C. B. King
Wayne	Wayne	598	10	......	......	......	......	......	......	......	3.82	+.94	.79	.0	13	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	48.0	−4.4	77	†6	18	15	40	6.95	+4.14	1.50	T.	11	14	4	13	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	53.6	−4.2	85	6	29	15	44	5.85	+3.06	1.90	T.	18	13	3	15	ne.	J. E. Dotson
Division averages	and extremes	......	......	51.6	−3.7	90	†6	17	15	48	6.44	+3.63	3.28	1.3	16	10	6	15	sw.	
State averages and	extremes	......	......	51.6	−3.0	91	†2	11	25	48	6.99	+4.09	3.78	1.2	16	10	6	15	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for October 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	....	....	1.40	.86	1.08	....	.03	....	T.	.50	....	.03	.20	....	.01	....	....	.10	.48	.18	.05	.12	.35	....	.57	....	1.00	3.68	.50	....	....	11.14
Brandywine	do	....	....	....	1.75	.10	....	....	....	.20	....	.10	....	.50	....	....	....	....	....	1.50	.35	....	....	.10	....	....	T.	.95	2.00	.10	....	....	7.65
Circleville ‖	do	....	....	.28	2.24	.17	.22	T.	....	....	.37	.12	.39	.07	.29	....	....	....	....	.84	1.21	....	T.	.32	T.	.08	....	.63	1.94	.48	....	....	9.65
Harpers Ferry ‖	do	....	....	....	.97	1.46	.57	....	....	....	.39	T.	.02	....	.17	....	....	....	....	.88	1.90	....	....	1.07	.31	....	....	.18	2.35	.17	....	....	10.44
Kearneysville	do	....	....	.28	.85	.65	.03	....	....	.20	.37	....	T.	.18	....	....	....	....	.03	2.20	T.	....	....	.72	....	.70	....	.84	.98	.07	....	....	8.10
Martinsburg ‖	do	....	....	....	1.00	.15	.60	....	....	....	.60	....	....	....	.20	....	....	....	....	.80	1.20	....	T.	.60	.10	T.	....	.30	2.50	.30	....	....	8.35
McNeill	do	....	....	.75	.56	.72	....	.02	....	.27	.09	T.	....	.26	....	....	....	....	.07	1.43	.49	....	....	.42	....	....	T.	1.26	2.08	.19	....	....	8.61
Piedmont	do	....	....	1.03	.20	1.31	....	.01	....	.20	.30	T.	....	....	....	....	....	....	.11	.88	....	....	.70	....	....	....	....	.98	3.00	....	....	....	8.72
Romney	do	....	....	.45	.40	.82	....	....	....	.30	.15	.05	....	.25	....	....	....	....	.10	1.20	.45	....	.02	.50	T.	....	.05	1.10	2.96	.30	....	....	9.10
Stony River Dam ‖	do	....	....	.16	2.00	.16	.90	....	....	.05	.12	....	....	.10	....	....	....	....	....	.38	1.10	....	....	.05	.05	....	....	.45	3.00	1.50	....	....	10.02
Upper Tract	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Wardensville ‖	do	....	....	....	.96	.03	.53	....	....	....	....	.39	.03	.10	.27	....	.02	....	....	.64	.62	....	....	.55	.01	....	....	.32	2.20	.06	....	....	6.73
Northern Division																																	
Aberdeen	Monongahela	....	....	.93	.51	.52	....	.03	....	.33	.20	.02	T.	.32	T.	....	....	....	.08	.28	.20	T.	.20	.90	.08	....	.02	1.15	2.46	.15	....	....	8.38
Alma (near)	Ohio	....	....	1.00	.15	.09	....	.15	....	.49	.16	....	....	.34	....	....	....	....	.43	.06	.14	....	.57	.44	.07	....	.32	.74	.93	.01	....	....	6.09
Alpena	Monongahela	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Benson	do	....	....	.88	.45	.30	....	....	....	.50	.25	.03	.15	.25	....	....	....	....	.10	.25	.18	.02	.30	.66	.15	....	.50	.60	1.70	.05	....	....	7.32
Bens Run	Ohio	....	....	.92	.13	.05	....	....	....	.73	.17	.05	....	.33	....	....	....	....	.48	.15	T.	.04	.63	.45	.03	....	.15	.90	.53	....	....	....	5.74
Brownsville	Monongahela	....	.32	.80	.55	.61	.15	....	....	....	.24	.05	....	.35	....	....	....	....	.05	.25	.27	....	.25	.83	.07	.06	.06	1.12	1.90	.11	....	....	8.04
Buckhannon	do	....	....	1.40	.38	.48	....	....	....	.40	.18	.05	....	.46	....	....	....	....	.15	.35	.28	T.	.32	.10	.05	T.	T.	1.00	2.70	....	....	....	8.30
Cairo	Litl. Kanawha	....	....	....	....	....	....	....	....	.74	....	.26	....	.45	....	....	....	....	.30	.12	.14	....	.50	.52	.11	....	.05	.45	1.30	....	....	....	4.94
Clarksburg ‖	Monongahela	....	....	.01	1.29	....	.15	.30	....	....	.58	.02	.03	.24	.12	....	....	....	.01	.32	.12	.02	.05	.75	.05	....	....	.33	1.82	.51	....	....	6.72
Crawford	do	....	....	1.59	.39	.23	.13	....	....	.32	.18	.01	....	.41	T.	....	....	....	.20	.26	.12	.04	.52	.57	....	....	.03	1.19	2.36	.02	....	....	8.57
Creston ‖	Litl. Kanawha	T.	1.43	T.	.05	....	.57	....	....	....	....	.05	.13	.20	....	....	....	....	.25	.16	.05	.35	.65	....	.01	....	.30	.55	1.85	.10	....	....	6.70
Dam 10, Mon. R. ‖	Monongahela	....	....	....	.66	....	.13	.02	....	....	.55	....	.02	.12	.03	....	....	....	....	.28	.17	.02	T.	.68	.13	....	....	.43	1.98	1.02	....	....	6.24
Dam 13, O. R. ‖	Ohio	....	....	....	.20	....	.09	.01	....	....	.54	....	.12	.25	....	....	....	....	....	.52	.04	.02	.55	.78	.05	....	.01	.48	.92	.14	....	....	4.72
Dam 15, Mon. R. ‖	Monongahela	....	....	....	.82	T.	.18	.20	....	....	.64	....	T.	.16	.04	....	....	....	....	.42	.12	....	.02	.78	.03	.04	....	.48	1.93	.70	....	....	6.59
Dam 19 O. R. ‖	Ohio	....	....	T.	1.10	.01	T.	T.	....	....	.60	T.	.05	.21	.09	....	....	....	.12	.41	.05	T.	.51	.45	.03	....	.03	.10	.50	....	....	....	4.26
Dam 20 O. R. ‖	do	....	....	T.	1.50	....	.02	T.	....	....	.58	....	.02	.23	.15	....	....	....	.10	.35	.05	T.	.45	.31	.03	T.	.02	.15	.62	....	....	....	4.58
Davis ‖	Monongahela	....	....	.19	2.09	.11	....	....	....	....	1.11	....	.10	....	....	....	....	....	....	1.00	.20	....	....	1.06	1.01	.21	....	.40	2.40	1.10	....	....	10.98
Elizabeth (D'm 3 LK)	Litl. Kanawha	....	T.	1.15	.05	T.	.05	....	.65	....	T.	.02	.15	.14	....	....	....	.07	.60	.07	T.	.45	.40	....	....	T.	.22	1.05	.06	....	....	....	5.13
Elkins***	Monongahela	....	....	1.85	.02	.53	T.	.06	....	.35	.12	.04	T.	.40	T.	....	....	....	.13	.44	.14	.04	.74	.21	.01	....	.27	1.33	1.63	....	....	....	8.31
Fairmont ‖	do	....	.10	.95	.06	.17	.04	....	....	.63	....	.01	.17	T.	T.	....	....	T.	.39	.11	T.	.04	.57	.11	T.	....	.55	1.97	.57	....	....	....	6.44
Glenville ‖	Litl. Kanawha	....	....	T.	1.52	....	.21	.17	....	....	.72	....	.06	.13	.27	....	....	....	T.	.26	.17	....	.15	.81	.03	T.	....	.85	1.80	.12	....	....	7.27
Grafton	Monongahela	....	....	.73	.80	.21	....	.10	....	.42	.13	T.	.02	.17	.01	....	....	....	.14	.22	.16	....	.16	.20	.08	T.	.01	1.03	1.50	.20	....	....	6.29
Hackers Creek	do	....	....	1.25	.26	.10	....	.05	....	.45	.15	.01	....	.35	....	....	....	....	.20	....	.29	.27	.61	.39	.14	....	.10	1.02	1.15	.01	....	....	6.80
Hastings	Ohio	....	....	.44	.37	.09	....	.01	....	.38	.27	.03	....	.26	....	....	....	....	.30	.28	.12	.01	.35	.53	T.	....	.08	.54	1.38	.03	....	....	5.47
Horner	Monongahela	....	....	1.00	.45	.82	....	....	....	.50	.15	.05	....	.42	....	....	....	....	.15	.20	.27	.20	.25	.25	.20	.25	....	1.40	2.00	.25	....	....	8.81
Ireland	do	....	....	1.87	....	....	.13	....	....	....	....	....	....	....	....	1.27	....	....	.21	....	....	....	.23	.76	.32	....	.06	1.36	2.60	....	....	....	8.81
Jackson's Mill	do	....	....	....	1.00	.61	.21	....	....	.50	....	....	.45	....	....	.26	....	....	.03	....	....	....	.70	.40	....	....	.24	1.25	1.55	....	....	....	7.20
Jane Lew	do	....	....	1.00	.53	.22	....	.01	....	.41	.18	.02	....	.34	T.	....	....	....	.13	....	.35	.04	.22	.78	.03	....	.03	1.05	2.00	.08	....	....	7.47
Lost Creek	do	....	....	.98	.56	.07	....	.02	....	.45	.18	.04	....	.57	T.	....	....	....	.17	.11	.01	T.	.23	.75	.05	....	.06	1.21	2.26	.03	....	....	7.78
Mannington	do	....	....	.53	.43	.17	....	.06	....	.50	.18	.02	.03	.24	....	....	....	....	.36	.16	.10	.01	.28	.51	.06	....	.03	.92	1.82	.03	....	....	6.44
Morgantown	do	....	....	.25	.45	.12	....	....	....	....	.30	T.	.25	....	T.	....	....	....	T.	.50	.20	.20	.30	.15	T.	....	....	1.05	1.10	.10	....	....	4.97
New Cumberland	Ohio	....	....	T.	.04	.45	....	....	....	.28	.12	.05	.06	.13	T.	....	....	....	.91	.06	.04	....	.50	.18	T	....	.20	.23	.30	....	....	....	3.55
New Martinsville	do	....	....	.35	.18	.05	....	....	....	.52	.20	....	....	.40	....	....	....	....	.44	....	....	.08	.68	.40	T.	....	.10	.45	.90	....	....	....	4.75
Parkersburg***	do	....	....	T.	.98	T.	T	T.	....	....	.59	T	.02	.23	.08	....	....	....	.08	.38	.06	T.	.30	.34	.01	.01	.04	.06	.49	T.	....	....	3.67
Parsons	Monongahela	....	....	1.44	T.	.66	.50	....	....	*	.66	....	....	.14	T.	....	....	....	*	.84	....	....	.93	T.	T.	....	*	*	3.78	....	....	....	8 95
Parsons No. 2	do	....	....	1.85	.50	.74	....	.10	....	.34	.24	.01	....	.36	....	....	....	....	.22	.25	.16	.02	.36	.56	.03	....	T.	1.07	2.65	.14	....	....	9.60
Philippi ‖	do	....	....	1.09	1.07	....	1.08	.06	....	....	.68	....	.03	.20	.20	....	....	....	....	.25	.24	....	.03	1.01	.14	....	....	.29	2.58	.68	....	....	9.63
Pickens	do	....	....	1.03	.20	.35	.13	.11	....	.31	.30	.09	.52	.03	T.	....	....	....	.16	.56	....	.44	.45	.40	.30	....	.20	2.58	2.40	.06	....	....	10.62
Roanoke	do	....	....	1.15	.49	.42	....	.05	....	.41	.10	.03	T.	.41	....	....	....	....	.14	.20	.04	.23	.33	.75	T.	....	.15	1.40	3.46	.10	....	....	9.86
Rockford	do	....	....	1.15	.45	.28	T.	.02	....	.43	.16	T.	....	.40	T.	....	....	....	.26	.13	T.	.17	.28	.70	.08	....	T.	1.33	2.16	T	....	....	8.00
Saint Marys ‖	Ohio	....	....	....	1.11	.04	....	.02	....	....	.84	....	.05	.30	....	....	....	....	.07	.38	.11	....	.38	.66	.05	....	....	....	1.45	.04	....	....	5.50
Terra Alta	Monongahela	....	....	1.00	.30	.20	....	....	....	T.	.80	.20	.20	.10	....	....	....	....	.70	.40	T.	....	....	.12	T.	....	.40	2.20	2.00	....	....	....	9.12
Thomas ‖	do	....	....	....	2.36	....	.78	.16	....	....	.59	.03	.02	.16	.15	....	....	....	....	.55	.40	....	.07	.67	....	....	....	.51	3.19	1.26	....	....	10.90
Valley Chapel	do	....	....	.61	.43	.23	....	....	....	.35	.28	.04	T.	.33	T.	....	....	....	.08	.22	.15	.01	.22	.72	.05	T.	.05	1.09	1.75	.09	....	....	6.30
Vandalia	do	....	....	1.47	....	.91	....	....	....	.51	.15	....	....	.48	....	....	....	....	.22	.22	.29	....	.49	.61	....	....	....	1.19	2.35	....	....	....	8.89
Wellsburg	Ohio	....	....	.08	.04	.38	....	....	....	.31	.18	.07	T.	....	T.	....	....	....	.78	.09	.17	T.	.53	.33	....	....	.22	.58	.56	....	....	....	4.32
West Milford	Monongahela	....	....	.95	.40	....	....	.10	....	.42	.20	.05	....	.45	....	....	....	....	.21	.15	.12	....	.30	.70	.05	....	....	1.16	1.83	....	....	....	7.09
Weston ‖	do	....	....	.08	1.30	....	.45	.68	....	....	.05	....	.04	.17	.16	....	....	....	....	.34	.25	....	.10	.72	.12	.05	....	.60	2.10	.70	....	....	7.91
Wheeling (Dam 12) ‖	Ohio	....	....	....	.33	....	.33	....	....	....	....	....	....	.02	.20	....	....	....	T.	.61	.02	T.	.49	.70	T.	T.	.02	.45	.69	.11	....	....	3.97
Woodlands ‖	do	....	....	....	.45	....	.05	....	....	....	.62	....	.02	.29	.04	....	....	....	.02	.63	.08	T.	.45	.78	.02	....	.02	.27	1.10	.14	....	....	4.98
Southern Division																																	
Arbovale ‖	Gr. Kanawha	....	....	1.89	....	.09	....	.03	....	.20	....	.06	....	.18	....	....	....	....	.04	2.50	.13	.03	.62	.05	.10	....	.02	2.00	.06	....	....	....	8.00
Bancroft	do	....	.12	1.29	.03	....	....	....	....	.71	....	.03	.06	.26	....	....	....	.06	.09	.08	....	.43	.45	....	T.	....	.28	1.41	.12	....	....	....	5.42
Beckley	do	....	....	.19	.90	.08	....	.14	....	.31	.10	.02	....	.19	.06	....	....	....	.14	.78	.20	.11	.40	.51	.12	....	.12	1.86	.86	....	....	....	7.09
Bluefield	do	....	....	....	2.88	.11	....	....	....	....	....	.40	....	.15	.11	....	....	....	.15	.96	.10	.02	.42	.48	.10	....	.13	1.44	.61	....	....	....	8.06
Camden-on-Gauley ‖	Gauley	....	....	.06	1.25	.02	....	....	....	....	.33	....	.14	.06	....	....	....	....	.02	.46	.40	T.	.14	1.05	.07	....	....	.92	2.11	.58	....	....	7.61
Charleston	Gr. Kanawha	....	....	.08	.82	.05	....	.20	.10	....	.63	....	T.	.02	.07	....	....	....	.03	.11	.20	....	.36	.65	.04	....	....	.74	2.24	....	....	....	6.34
Charleston No. 2	do	....	....	.08	.82	.05	....	.20	.01	....	.63	....	T.	.02	.02	....	....	....	.03	.11	.20	....	.36	.65	.04	....	....	.74	2.45	.08	....	....	6.49
Clay ‖	do	....	....	....	.87	....	....	.30	.04	....	.50	....	....	.23	.09	....	....	....	T.	.16	.22	.01	.16	.82	.15	....	....	1.32	1.76	.22	....	....	6.85
Dam 6 G. K. ‖	do	....	....	.03	.99	.05	....	.02	.03	....	.60	....	....	.05	.12	....	....	....	.01	.09	.07	....	.30	.47	.07	.02	.07	.39	2.01	.16	....	....	5.55
Gary ‖	Big Sandy	....	....	.05	2.00	.44	.18	....	.01	....	.42	....	....	....	.06	....	....	....	.01	.32	.23	.04	....	.73	.02	.06	....	1.13	1.19	.01	.01	....	6.91
Greenbottom	Ohio	....	....	.80	.15	....	.08	.04	....	.60	.04	.02	....	.42	....	....	....	....	.28	.02	.16	.02	.76	.20	T.	....	.05	.08	.64	....	....	....	4.36
Hinton ‖	Big Sandy	....	....	.06	1.16	.20	.04	.02	....	....	.30	....	....	....	.01	....	....	....	T	1.11	.26	.07	....	.76	T.	....	....	.76	1.19	.07	....	....	6.01
Hogsett	Ohio	....	.56	.02	.90	....	....	.18	....	....	.58	....	.02	.06	.32	....	....	....	.10	....	.07	....	.60	.55	.01	....	....	.09	.80	....	....	....	4.86
Huntington	do	....	....	.69	.17	....	T.	.44	....	.60	.02	T.	....	.29	T.	....	....	....	.25	.23	.02	T.	.78	.13	T.	....	.05	.12	.41	....	....	....	4.20
Kanawha Falls ‖	Gr. Kanawha	....	....	.10	.50	....	.05	....	....	.50	....	....	....	....	....	....	....	....	....	.09	.29	....	.05	.80	.05	....	....	.70	1.50	.25	....	....	4.88
Kayford ‖	do	....	....	.01	1.06	.04	....	.13	.05	....	.48	....	....	....	.04	....	....	....	.01	.18	.30	.01	.11	.84	.21	....	....	.87	3.28	.16	....	....	7.78
Lewisburg	do	....	....	.41	1.41	.02	....	.02	....	.19	.09	....	....	.02	.05	....	....	....	.03	1.82	.25	....	.23	.40	.03	....	.05	1.29	.21	T.	....	....	6.52
Logan ‖	Guyandotte	....	....	.01	.77	.05	T.	.03	.05	....	.61	....	....	....	.08	....	....	....	....	.17	.11	T.	.25	.57	.10	T.	.08	.70	2.41	.09	....	....	6.08
London	Gr. Kanawha	....	....	.04	.87	.14	....	.11	.04	....	.50	....	.01	....	.07	....	....	....	....	.10	.32	.03	.12	.76	.10	....	....	1.10	2.80	.17	....	....	7.28
Madison ‖	do	....	....	.82	.07	....	.20	....	....	....	....	.65	....	....	.03	....	....	....	....	....	.30	.02	.34	.68	....	.06	....	.65	2.69	....	.02	....	6.53
Marlinton	do	....	....	1.55	1.00	.18	T.	.02	....	.04	....	.22	T.	....	T.	....	....	....	.05	2.05	.16	....	.45	.34	.02	....	.07	1.39	.95	.01	....	....	8.50
Point Pleasant ‖	Ohio	....	....	.05	.98	.05	.03	.08	....	....	.46	T.	.09	.05	.25	....	....	....	.19	.31	.10	.02	.96	.39	....	....	.02	.07	.80	....	....	....	4.90
Rainelle	Meadow Creek	.01	....	.28	1.06	.03	....	.06	....	.32	.08	.01	....	.02	....	....	....	....	.09	1.20	.10	.01	.36	.50	.10	.01	.07	2.00	1.66	.05	....	T.	8.02
Ravenswood (Dam 22	Ohio ‖	....	....	....	1.00	T.	.05	.07	....	....	.48	T.	.04	.13	.25	....	....	....	.11	.20	.05	.02	.60	.30	....	....	....	.08	.82	....	....	....	4.20
Richwood ‖	Gr. Kanawha	....	.12	.87	.01	.01	.08	.01	....	.30	....	.01	....	.06	....	....	....	....	.54	.31	....	.06	1.16	.17	.03	....	.86	2.95	.72	....	....	....	8.27
Robertsburg ‖	do	....	....	.04	1.20	.03	.02	.05	....	....	.67	T	.06	.06	.23	....	....	....	.11	.15	.09	T.	.41	.26	....	....	.03	.11	.95	.03	....	....	4.50
Ryan	do	....	....	1.50	....	.05	....	.05	....	.60	.02	.02	....	.29	....	....	....	....	.52	.06	.10	....	.66	.05	.03	....	.65	1.00	1.10	....	....	....	6.70
Sharples ‖	Coal River	....	....	T.	.93	....	....	T.	....	....	.73	....	....	....	....	....	....	....	....	T.	....	....	.70	.67	T.	T.	T.	1.32	3.20	....	....	....	7.55
Spencer ‖	Gr. Kanawha	....	....	T.	1.25	....	.12	.22	....	....	....	.49	.04	.03	.31	....	....	....	.06	.19	.16	....	.38	.44	.02	.09	T.	.26	1.47	.09	....	....	5.62
Summersville ‖	do	....	....	.32	1.14	....	....	....	.11	....	.52	....	....	....	.10	....	....	....	.62	.42	.20	....	.41	.90	....	.62	T.	1.09	2.16	.46	....	....	9.07
Sutton	do	....	....	.65	.35	.15	....	.10	....	.30	.20	.10	....	.25	....	....	....	....	.10	.25	.30	.10	.30	.75	.10	....	....	2.00	1.75	....	....	....	7.75
Thornwood ‖	do	....	....	....	2.01	.42	.37	.13	....	....	.35	....	....	....	....	....	....	....	....	1.48	.85	....	.33	.17	.72	.21	....	.70	1.55	.65	....	....	9.94
Union	do	....	....	....	1.75	.06	....	....	....	.08	....	.20	....	....	.10	....	....	....	.03	1.47	.25	....	.18	.60	....	....	.06	1.20	.75	....	....	....	6.78
Wayne ‖	Big Sandy	....	....	.06	.64	....	....	.10	....	....	.63	....	....	....	....	....	....	....	.24	.09	.19	....	.64	.24	.05	....	.04	.11	.79	....	....	....	3.82
White Sulpr. Spgs. ‖	Gr. Kanawha	....	.10	1.50	.25	.10	....	....	....	.25	....	....	....	.20	....	....	....	....	1.00	.60	....	....	.70	....	....	....	.75	1.50	....	....	....	....	6.95
Williamson ‖	Big Sandy	....	....	.10	.73	.10	.03	....	.03	....	.73	....	....	....	.18	....	....	....	.03	.13	.13	.08	.30	.59	.02	....	.17	.55	1.90	.05	....	....	5.85

Supplemental Rainfall Data—Harrison County: Total precipitation: Elk, 7.53 inches. Mt. Clare, 7.98 inches. Salem, 7.58 inches. Shinnston, 7.04 inches.

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for October 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	77	81	73	60	70	79	74	54	47	49	54	65	60	45	41	51	57	58	75	70	50	62	50	40	55	61	55	50	52	68	62	59.5
	Minimum	31	35	50	48	50	50	51	31	24	32	39	44	38	30	20	14	20	32	52	38	32	38	30	23	11	28	42	31	32	45	30	34.5
Brandywine	Maximum	78	82	81	80	82	85	75	72	70	68	67	70	62	60	57	60	65	65	68	67	64	65	60	45	57	60	61	57	60	78	76	67.6
	Minimum	38	40	50	49	52	55	56	32	30	35	34	40	36	21	24	22	25	37	40	37	36	40	37	26	22	36	46	44	32	44	30	37.0
Kearneysville	Maximum	73	80	65	60	66	83	74	60	47	..	65	74	64	52	51	54	57	57	69	70	65	63	60	50	54	58	56	55	59	77	65	62.8
	Minimum	42	50	55	50	57	60	59	41	32	..	39	46	44	39	26	29	26	42	55	46	41	55	41	32	24	34	47	48	40	45	40	42.8
Martinsburg*	Maximum	75	72	62	62	70	83	73	59	49	56	66	76	64	53	51	55	58	62	70	59	63	63	50	49	58	60	55	52	62	78	70	62.4
	Minimum	43	43	43	50	50	60	60	43	34	36	40	40	47	40	30	30	29	30	45	46	46	45	42	32	27	28	38	47	42	42	47	41.1
McNeill	Maximum	77	84	78	58	67	86	73	64	56	58	60	73	68	61	47	56	61	63	68	63	62	63	58	45	62	60	53	53	59	77	63	63.7
	Minimum	33	40	55	51	56	51	55	29	28	38	33	39	42	36	18	19	20	36	54	39	32	41	38	35	18	29	46	45	32	35	31	37.2
Piedmont	Maximum	75	79	58	55	65	81	66	54	44	50	59	70	48	44	48	50	56	60	64	59	64	59	42	45	56	58	53	48	56	72	60	58.0
	Minimum	46	46	55	52	55	57	58	37	32	39	45	44	45	35	28	25	28	42	54	44	44	50	37	34	23	35	47	47	40	52	36	42.0
Romney	Maximum	67	70	71	57	67	88	83	63	53	51	54	65	46	39	46	47	49	57	63	63	57	56	56	44	53	52	54	51	52	70	69	58.5
	Minimum	42	46	55	52	56	59	59	42	32	39	40	47	46	37	25	25	26	43	55	44	39	41	40	32	23	35	47	46	42	41	41	41.8
Wardensville	Maximum	75	..	81	64	69	80	70	67	..	60	62	71	59		48	55	51	62	71	63	64	62	44	45	56	64	52	49	68	76	61	62.5
	Minimum	41	43	..	51	52	52	67	38	30	..	37	41	44	38	..	24	24	43	54	42	45	42	38	31	23	50	47	47	39	49	38	41.8
Northern Division																																	
Bens Run	Maximum	83	82	68	75	83	86	73	62	49	56	58	72	63	51	55	59	72	58	79	58	60	54	43	40	60	63	52	48	60	73	60	63.1
	Minimum	50	52	61	58	62	64	45	37	43	44	46	45	43	31	30	32	37	52	57	45	45	40	35	32	32	45	46	44	34	44	37	44.1
Buckhannon	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	39	45	56	52	58	60	56	32	33	42	41	45	40	34	25	27	30	45	55	40	41	40	32	28	25	28	44	40	31	44	32	40.0
Cairo	Maximum	82	84	82	85	84	86	82	..	76	74	65	71	74	52	56	63	69	74	82	83	61	60	62	58	60	65	67	48	55	75	73	70.3
	Minimum	37	39	36	38	40	38	38	31	36	34	34	40	45	28	24	26	32	45	57	40	39	39	37	32	29	38	45	43	29	39	30	36.7
Clarksburg*	Maximum	80	89	62	73	79	83	64	66	58	54	53	70	46	47	50	58	70	65	78	53	58	49	46	38	58	65	53	49	57	72	57	61.2
	Minimum	40	44	51	56	60	61	57	31	35	43	43	42	43	29	25	26	30	39	54	44	41	46	32	29	21	32	48	44	37	37	32	40.4
Creston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	41	41	50	62	59	61	56	40	33	42	38	40	41	29	20	35	30	33	50	38	39	37	25	31	43	45	43	41	30	41	30	40.1
Elkins	Maximum	77	82	65	67	75	80	71	50	48	48	50	65	50	43	43	56	62	64	76	52	54	58	36	34	57	61	50	47	60	68	56	58.2
	Minimum	39	45	56	56	59	59	43	32	31	40	43	49	38	26	24	23	33	51	47	43	42	33	28	23	22	37	46	37	35	47	30	39.3
Fairmont	Maximum	82	86	64	74	77	87	70	66	47	54	56	74	51	49	49	59	69	64	81	60	59	50	48	37	63	65	56	48	59	74	61	62.5
	Minimum	45	49	52	56	59	63	59	35	37	41	42	44	45	28	26	26	30	39	57	44	42	47	33	29	22	35	48	45	33	38	36	41.4
Glenville	Maximum	69	68	64	72	81	86	86	67	60	58	58	75	74	47	54	58	73	86	79	82	57	58	44	41	64	67	65	49	62	74	67	66.0
	Minimum	43	47	46	58	60	61	56	33	34	44	39	42	45	33	26	28	32	55	57	42	41	39	33	27	26	39	45	42	26	40	32	41.0
Grafton	Maximum	85	91	91	79	77	85	85	67	60	56	55	72	72	50	50	63	74	71	78	83	58	57	45	39	62	65	62	52	59	76	74	67.5
	Minimum	42	48	59	55	61	61	58	31	35	43	43	43	43	31	24	25	30	44	57	43	39	42	32	30	25	38	46	44	31	39	31	41.1
Lost Creek	Maximum	80	80	75	75	80	84	78	61	57	54	52	70	53	50	51	56	72	65	80	78	55	55	40	36	60	64	62	47	57	72	69	63.5
	Minimum	39	42	56	57	60	62	57	29	32	43	41	43	49	30	22	23	28	45	55	44	43	40	32	29	28	36	45	41	32	48	31	40.7
Mannington	Maximum	75	82	74	73	76	81	78	58	52	52	54	69	66	46	49	55	67	64	75	73	59	56	42	37	57	62	59	49	56	70	61	62.2
	Minimum	40	46	58	56	61	58	54	31	34	42	39	39	43	27	25	22	28	46	50	44	34	42	33	29	24	36	46	44	31	29	30	39.4
Morgantown	Maximum	80	80	75	70	79	79	79	80	72	70	70	69	70	65	42	60	62	60	65	58	59	50	40	40	61	60	61	52	60	61	60	64.2
	Minimum	34	40	40	45	46	45	36	36	35	34	34	34	33	28	25	30	36	35	33	40	39	35	25	28	39	38	40	40	38	40	38	36.1
New Cumberland	Maximum	87	83	72	74	79	87	77	57	50	52	61	73	71	69	50	55	65	60	78	73	60	54	43	39	59	61	55	55	62	68	56	64.0
	Minimum	47	51	57	56	61	65	48	34	31	40	42	47	41	37	37	29	31	49	57	41	41	41	32	32	33	42	46	44	34	51	33	42.9
New Martinsville	Maximum	83	83	76	75	82	85	76	64	61	52	60	63	58	45	51	58	70	68	78	73	57	56	45	40	62	65	59	54	61	73	68	64.7
	Minimum	46	51	60	59	62	63	52	33	38	42	43	44	42	32	27	30	35	50	55	46	42	40	36	31	30	45	47	45	33	44	35	43.2
Parkersburg	Maximum	80	82	66	72	81	86	71	58	46	56	55	73	49	47	53	57	69	65	79	57	63	50	41	41	62	64	50	48	62	73	58	61.7
	Minimum	53	50	60	60	67	69	45	35	44	42	47	49	39	31	28	34	43	56	51	48	48	39	35	34	36	50	45	37	35	52	41	45.3
Parsons	Maximum	82	85	68	70	64	73	66	57	57	52	52	69	58	47	46	55	63	59	78	69	52	62	52	40	60	63	53	50	57	71	60	61.0
	Minimum	42	45	47	60	60	58	50	34	33	41	43	48	41	34	24	27	33	50	58	40	39	39	32	28	23	33	48	41	34	39	28	40.4
Pickens	Maximum	74	80	75	71	75	77	67	56	52	45	45	51	49	47	42	53	62	57	72	..	61	55	47	38	52	56	47	45	50	66	59	57.5
	Minimum	35	37	58	52	50	55	45	26	27	35	35	35	27	27	19	20	34	45	52	..	35	28	20	14	14	34	39	33	28	41	27	34.3
Wellsburg	Maximum	86	86	68	74	80	87	78	58	55	52	60	74	56	47	49	55	65	64	79	74	61	54	43	38	59	61	54	50	61	70	60	63.2
	Minimum	41	45	50	56	64	58	56	29	31	38	37	39	40	24	29	22	25	56	52	45	35	39	36	23	27	37	45	43	31	41	27	39.4
Weston	Maximum	83	80	77	76	84	85	83	70	60	52	53	73	70	47	49	54	64	63	81	80	57	52	50	39	62	65	62	53	54	60	62	64.5
	Minimum	43	45	58	56	61	63	57	33	34	44	44	45	44	33	26	28	31	47	57	54	44	44	33	29	27	40	47	42	33	50	33	42.7
Wheeling (Dam 12)	Maximum	86	86	67	77	78	86	70	58	47	54	58	73	51	47	49	56	70	63	78	63	61	51	47	43	60	63	54	47	60	71	57	62.3
	Minimum	49	52	65	57	62	63	54	36	37	42	41	42	43	28	32	31	33	36	54	47	45	45	39	32	33	38	42	45	38	39	34	43.0
Southern Division																																	
Beckley	Maximum	76	83	71	64	76	80	73	57	50	54	56	64	58	46	50	55	61	57	77	68	57	48	35	37	62	61	55	50	56	73	63	60.4
	Minimum	42	45	54	52	58	58	47	31	29	37	29	32	40	33	17	24	33	43	52	35	34	31	29	24	25	42	38	32	27	42	31	37.0
Bluefield	Maximum	70	81	..	78	74	78	75	59	54	..	60	66	62	49	50	51	..	58	75	72	59	58	36	36	..	60	54	39	54	73	..	60.8
	Minimum	48	49	..	53	56	58	53	33	34	..	33	40	48	34	22	29	..	34	54	39	38	34	30	26	..	27	34	33	32	47	..	39.2
Charleston	Maximum	77	85	78	74	83	86	69	60	64	59	57	49	52	52	68	74	72	67	80	60	60	48	48	46	64	68	48	48	62	68	74	64.5
	Minimum	48	49	45	45	53	57	55	38	38	40	43	45	37	29	30	39	39	49	60	44	42	45	37	38	32	38	45	42	34	35	38	42.2
Gary*	Maximum	77	86	68	72	80	83	64	60	54	55	63	70	59	50	54	58	68	65	79	57	62	48	40	40	64	63	45	42	44	75	..	62.1
	Minimum	42	45	54	58	60	59	58	35	35	40	36	37	40	39	26	27	31	54	58	39	36	40	33	32	30	34	44	39	31	32	36	40.6
Hinton*	Maximum	75	86	61	65	76	88	71	64	51	56	60	70	56	55	59	61	65	60	83	62	61	51	42	48	69	62	45	44	63	81	75	63.4
	Minimum	44	45	48	55	56	60	56	34	35	37	38	39	42	40	27	27	28	32	54	39	36	39	34	31	27	30	38	38	32	34	35	39.0
Huntington	Maximum	81	84	74	73	86	88	83	64	55	62	64	71	63	53	56	59	72	65	81	63	60	55	49	45	66	68	50	51	67	79	64	66.2
	Minimum	48	49	62	60	64	65	57	38	40	43	43	44	44	31	28	32	37	57	59	47	45	43	38	34	37	55	46	43	32	49	38	45.4
Lewisburg	Maximum	65	73	67	59	66	76	70	57	48	50	52	62	57	49	48	49	55	57	72	68	57	54	43	38	55	56	55	42	53	71	65	57.7
	Minimum	42	46	56	54	58	59	55	38	34	42	38	41	48	40	27	27	37	48	55	41	38	42	34	30	29	37	39	38	36	44	42	41.8
Madison	Maximum	77	..	83	74	..	86	69	62	..	..	60	65	70	49	54	56	63	73	68	82	62	58	47	45	44	66	66	47	46	63	..	62.9
	Minimum	45	..	58	59	..	53	37	35	..	..	39	42	44	36	27	28	31	56	57	40	39	45	36	34	32	37	44	40	33	37	..	40.9
Point Pleasant	Maximum	79	87	83	72	83	86	83	62	54	57	58	73	69	52	54	62	67	64	80	76	63	60	46	44	65	67	63	51	67	77	74	67.0
	Minimum	48	46	60	60	63	65	57	35	38	41	40	43	45	29	26	30	35	52	57	46	60	41	38	34	35	49	45	42	31	49	38	44.5
Rainelle	Maximum	72	86	80	59	66	78	63	57	46	49	47	64	50	44	49	52	64	60	73	64	47	47	35	32	60	55	53	40	56	68	61	57.3
	Minimum	42	40	52	53	57	57	44	28	27	38	31	36	37	34	20	18	34	45	53	34	29	35	31	27	21	30	37	35	29	30	29	35.9
Ravenswood	Maximum	76	79	75	69	84	87	82	60	63	59	58	70	65	51	55	60	69	71	75	66	61	53	43	43	59	62	62	51	64	73	64	64.8
	Minimum	44	48	63	60	67	62	57	32	36	42	41	42	43	28	24	29	35	55	50	47	45	40	37	34	36	51	51	43	30	43	33	43.5
Richwood	Maximum	78	82	70	69	73	80	63	55	46	52	49	64	51	45	48	56	57	61	75	53	56	55	38	36	58	61	57	49	55	70	67	59.0
	Minimum	40	41	56	57	56	57	31	31	40	40	40	42	35	22	23	28	45	52	36	34	41	32	27	24	29	42	39	31	32	33	34	37.7
Robertsburg*	Maximum	80	88	65	72	88	87	69	67	50	62	60	73	49	43	49	64	73	65	83	61	55	46	47	46	68	70	52	50	69	76	65	64.4
	Minimum	46	45	50	60	60	64	56	36	37	41	41	43	47	31	26	28	32	45	57	44	44	45	38	35	32	37	45	43	31	34	36	42.2
Ryan	Maximum	83	82	61	70	80	85	70	62	50	60	58	65	58	55	55	60	70	65	83	71	60	52	42	37	65	65	55	45	60	75	70	63.5
	Minimum	39	41	56	58	61	60	54	30	33	44	44	49	39	30	21	26	33	54	57	38	38	39	36	30	26	38	43	41	28	32	30	40.3
Spencer*	Maximum	84	88	64	72	84	87	67	61	59	48	53	72	47	50	50	60	71	65	81	60	59	47	43	42	59	65	47	47	63	74	65	62.4
	Minimum	41	43	45	49	60	65	55	32	34	40	42	45	45	36	22	28	36	41	56	44	46	47	38	21	29	41	44	42	31	40	33	41.0
Sutton	Maximum	83	85	85	73	81	85	85	65	59	53	53	70	70	47	50	58	67	67	81	81	56	52	42	40	64	66	66	47	61	74	74	65.8
	Minimum	42	45	54	57	60	60	55	31	32	42	39	40	43	34	19	25	30	50	56	38	38	40	30	26	24	37	44	41	30	39	33	39.8
Union	Maximum	70	82	..	82	66	78	78	63	57	..	53	63	62	49	51	53	..	56	74	74	57	57	43	..	58	59	54	40	51	72	..	61.6
	Minimum	38	43	..	53	57	55	53	33	31	..	30	34	45	37	17	26	..	32	55	36	32	39	31	..	24	34	32	32	33	44	..	37.5
White Sulphur Spgs.	Maximum	66	75	60	62	63	77	77	66	60	54	56	54	55	54	52	52	62	60	68	39	60	58	46	46	52	54	50	49	50	63	70	58.4
	Minimum	42	42	55	55	58	58	52	29	29	42	33	36	40	40	18	21	30	48	54	35	32	38	32	28	22	33	34	35	35	30	30	37.6
Williamson*	Maximum	78	80	73	71	82	85	70	62	51	58	67	71	53	54	55	62	72	69	81	60	60	46	45	44	68	69	48	49	66	78	68	64.4
	Minimum	46	48	54	60	60	63	63	38	38	44	41	42	47	40	29	30	33	40	57	40	40	45	37	33	34	35	46	40	34	34	39	42.9

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.084	.078	.007	.024	.056	.004	.001	.231	.068	.007	.005	.053	.092	.041	.048	.022	.035	.095	.080	.076	.082	.022	.026	....	....	....	....	....	....	....	....	1.250
	Wind movement	9	4	22	7	28	8	100	30	28	29	24	9	14	64	34	18	21	20	14	58	96	24	36	62	23	12	12	87	60	16	44	1,013

* Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 12-8-37—900)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., NOVEMBER 1937 No. 11

GENERAL SUMMARY

The precipitation averaged about one-half of the normal, being the driest November since the drought year of 1930. While the precipitation was insufficient to reach the smaller rivers, soil conditions were excellent for outdoor work. The rainy periods of the month were, 2-3d, 5-6th, 12th-22d, 26-29th. The greatest amounts were received in the east-central part of the State, and the least along the Ohio river in Jackson, Mason and Wood counties. The snowfall, however, was almost twice the normal, occurring generally on the 19th-21st. The following heavy monthly amounts were noted: 23 inches at Pickens, 16.5 inches at Davis, and 12 inches at Terra Alta. Most of the snow melted before the close of the month. The temperature averaged below normal at all stations. The warm periods were, 1st-2d, and the 26-28th, while the cold part of the month occurred from the 16th to the 25th. There was ample sunshine, the number of clear days for the State being near the normal. High winds occurred generally along the western counties on the 28th, no damage being reported. Winter grains were well protected by the snow cover during the cold periods of the month.—*H. C. D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 41.3°, or 1.5° below normal; for the northern division, 40.7°, or 2.4° below normal; for the southern division, 41.1°, or 2 9° below normal; and for the State, 41.0°, or 2.2° below normal. The highest monthly mean temperature was 44.6° at Brownsville, and the lowest 36.6° at Pickens. The highest temperature was 78° at Madison on the 2d and Martinsburg, Wardensville and Hinton on the 8th, and the lowest was −3° at Rainelle on the 23d, making the monthly range for the State 81°. The greatest daily range was 51° at McNeill and Rainelle on the 24th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.51 inches, or 0.63 inch below normal; for the northern division, 1.62 inches, or 1.30 inches below normal; for the southern division, 1.48 inches, or 1.26 inches below normal; and for the State, 1.56 inches, or 1.18 inches below normal. The greatest monthly precipitation was 4.09 inches at Pickens and the least, 0.73 inch at Parsons. The average snowfall was 3.6 inches, or 1.4 inches above normal. The greatest monthly snowfall was 23.0 inches at Pickens. The greatest amount of precipitation in any 24 consecutive hours was 1.75 inches at Martinsburg on the 13th.

ERRATA

September 1937: Mannington, total precipitation, 2.13; departure, —1.26. Pickens, total precipitation, 3.16; departure, —0.94. Stony River Dam, total precipitation, 2.72; departure, —0.06. Weston, lowest temperature, 34 on the 27th.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 2; 3d, 3; 6th, 13th and 14th, 1 each; 24th, 2; 25th, 1; 26th, 5; 27th, 11; 28th, 8; 30th, 1.

Halos: Lunar, 10th, 1; 19th, 1; Solar, 7th, 8th, 11th and 30th, 1 each.

Thunderstorms: 28th, 15.

Hail: At New Cumberland during thunderstorm on 28th; light.

Sleet: 12th, 15th, 16th, and 19th, 1 each.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.14	30.74	23	29.45	28	8.0	29	sw.	28	80	60	63	45
Columbus, Ohio	30.12	30.75	23	29.39	28	10.1	42	sw.	28	78	64	68	35
Elkins	30.19	30.82	23	29.56	14	6.5	33	w.	28	82	59	71	43
Parkersburg	30.14	30.75	23	29.44	28	6.4	27	sw.	28	76	59	67	27
Pittsburgh, Pa	30.10	30.73	23	29.43	28	11.7	35	sw.	28	74	56	67	39
Wytheville, Va	30.15	30.69	23	29.56	14	7.0	26	w.	28	80	52	67	45

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	......	......	......
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	......	......	......	......
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	......	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	......	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	**37.3**	75	5	1.33	2.17	1.88	1.95	1 8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45 2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	**5.99**	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	**−14**	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	**51.3**	**88**	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	**88**	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	**88**	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	41.0	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
Period	43.2	88	−14	2.14	2.92	2.68	2.74	2.2	9	11	7	12

Climatological Data for November 1937

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	37.1	−2.0	73	8	5	24	45	1.83	−1.17	0.40	4.0	12	9	7	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	42.0	.0	73	2	6	23	45	1.40	−.38	.50	T.	4	16	2	12	n.	E. L. Keister
Circleville	Pendleton	4,550	5	...	...	...	...	...	...	...	1.65	...	.39	.9	12	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	...	...	...	...	...	...	...	2.37	...	1.47	.0	7	...	...	...	...	Eleanor White
Kearneysville	Jefferson	548	7	43.6	...	75	8	17	†24	33	2.22	...	1.26	.0	[a]5	[a]11	[a]10	[a]8	w.	F. J. Schneiderhan
Martinsburg	Berkeley	435	45	42.6	−.6	78	8	18	†24	41	2.24	−.01	1.75	T.	5	16	11	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	41	41.3	−.9	77	8	5	24	51	.74	−.81	.55	T.	3	11	8	11	w.	R. E Saville
Piedmont	Mineral	1,053	24	41.5	−.7	76	8	16	24	43	1.07	−.82	.69	.0	3	9	9	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	39	40.7	−2.4	73	8	12	24	28	1.59	−.19	.82	T.	9	10	15	5	...	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	...	...	...	...	...	...	...	1.13	−1.82	.35	5.0	6	3	7	20	w.	A. C. Becker
Wardensville[a]	Hardy	1,200	16	41.8	−2.1	78	8	10	24	48	1.37	−.16	.90	T.	4	12	13	5	...	Reymann Memorial Farm
Division averages	and extremes	...	...	**41.3**	**−1.5**	**78**	**8**	**5**	**24**	**51**	**1.51**	**−.63**	**1.75**	**1.0**	**6**	**11**	**9**	**10**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	...	...	...	...	...	...	...	1.68	−1.66	.37	4.0	14	6	5	19	w.	L. Else Bond
Alma (near)	Tyler	800	10	...	...	...	...	...	...	...	1.57	−1.46	.38	4.5	13	10	3	17	...	D. N. Furbee
Benson	Harrison	1,080	13	42.4	−.7	71	†8	5	22	44	1.78	−1.71	.33	3.5	12	9	9	12	...	R. D. Marts
Bens Run	Tyler	652	35	41.3	−2.8	68	27	11	22	35	2.70	−.19	.61	2.7	14	12	8	10	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	44.6	.0	75	8	9	24	47	1.96	−1.71	.35	2.1	16	5	14	11	...	W. B. Worley
Buckhannon	Upshur	1,411	40	...	...	...	...	13	†23	...	2.05	−1.05	.52	7.0	10	13	4	13	...	H. A. Darnall
Cairo[j]	Ritchie	680	36	40.0	−3.7	76	28	8	24	48	1.23	−1.65	.98	2.5	..	...	...	...	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	38.9	−3.9	72	28	10	24	41	1.32	−1.87	.32	2.0	13	6	8	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	...	...	...	...	...	...	...	1.65	−1.99	.33	3.8	13	7	6	17	nw.	George W. Blair
Creston	Wirt	640	35	...	...	...	...	9	24	...	1.15	−1.60	.27	3.0	10	11	3	16	...	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	16	...	...	...	...	...	...	...	1.67	−1.48	.43	2.0	14	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	21	...	...	...	...	...	...	...	1.41	−.97	.50	2.3	13	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Marion	882	16	...	...	...	...	...	...	...	1.50	−1.79	.38	.0	12	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	21	...	...	...	...	...	...	...	1.03	−1.61	.35	1.0	12	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	21	...	...	...	...	...	...	...	.80	−1.80	.22	1.0	9	...	...	...	...	Lockmaster
Davis	Tucker	3,093	28	...	...	...	...	...	...	...	1.40	−1.30	.29	16.5	10	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	25	...	...	...	...	...	...	...	1.34	−1.20	.38	...	10	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	36	37.9	−2.4	72	8	6	24	43	1.24	−1.54	.33	5.8	14	5	7	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	31	42.2	−.7	75	28	13	24	...	1.52	−1.53	.33	5.8	12	9	6	15	w.	J. C. Robinson
Glenville	Gilmer	738	43	41.2	−3.1	75	8	8	22	44	1.66	−1.39	.31	2.0	13	5	9	16	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	42.9	−.2	76	28	11	24	46	1.40	−1.03	.36	2.8	12	11	5	14	...	L. W. Clayton
Hastings	Wetzel	809	2	...	...	...	...	...	...	...	1.99	...	.44	3.8	12	7	6	17	w.	L. G. McIntyre
Horner	Lewis	1,044	14	...	...	...	...	...	...	...	2.55	−1.24	.45	.0	10	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	14	...	...	...	...	...	...	...	1.37	−1.95	.32	.0	13	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	39	40.4	−2.2	70	†8	7	24	44	1.41	−1.40	.36	3.5	11	7	6	17	w.	Allen Smith
Mannington	Marion	985	34	39.6	−2.4	71	28	8	22	42	2.04	−1.00	.40	4.8	15	8	8	14	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	...	...	...	...	14	22	...	1.70	−.83	.30	3.0	9	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	39	41.1	−.5	70	28	17	†22	37	1.59	−.73	.48	2.0	12	8	3	19	se.	C. O. Valentine
New Martinsville	Wetzel	634	43	41.9	−2.9	70	28	13	24	38	1.86	−.98	.35	4.8	10	8	7	15	n.	Wm. Ankrom
Parkersburg	Wood	615	50	41.6	−2.2	69	28	17	24	37	1.16	−1.41	.41	2.3	14	6	6	18	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	39.8	−1.4	76	10	8	25	44	.73	−2.20	.60	6.0	3	8	5	17	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	11	...	...	...	...	...	...	...	1.44	−1.49	.27	8.5	15	13	6	11	...	Robert T. Deem
Philippi	Barbour	1,550	40	...	...	...	...	...	...	...	1.37	−1.56	.32	3.5	8	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	34	36.6	3.8	70	8	−2	23	42	4.09	−.13	1.10	23.0	12	7	9	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	14	...	...	...	...	...	...	...	1.53	−1.84	.43	4.0	11	8	3	19	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	...	...	...	...	...	...	...	1.89	−.91	.68	3.0	10	...	...	...	...	Edward Hughes
Terra Alta[e]	Preston	2,559	36	...	...	...	...	...	...	...	1.18	−2.02	.60	12.0	9	...	...	...	...	Hopemont Sanitarium
Thomas	Tucker	2,950	8	...	...	...	...	...	...	...	1.74	...	.53	7.0	9	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	14	41.4	−3.6	74	†8	10	22	40	1.93	−1.45	.31	5.5	13	8	8	14	w.	J. C. Campbell
Vandalia	Lewis	1,120	14	...	...	...	...	...	...	...	1.74	−1.64	.56	4.0	7	...	...	...	...	James B. Kelley
Wellsburg	Brooke	668	30	39.4	−2.4	73	28	9	24	43	1.59	−.98	.64	1.0	9	8	8	14	w.	George P. Pfister
West Milford	Harrison	979	12	...	...	...	...	...	...	...	1.67	−1.94	.35	...	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	41.2	−2.8	71	8	11	24	39	1.81	−1.13	.36	3.7	14	3	14	13	...	A. Henry
Wheeling (Dam 12)	Ohio	659	50	40.2	−2.0	67	8	16	†23	33	1.63	−.80	.55	7.0	11	5	6	19	sw.	Lockmaster
Woodlands	Marshall	637	10	...	...	...	...	...	...	...	1.36	−1.45	.31	3.0	12	4	7	19	sw.	R. W. Rist
Division averages	and extremes	...	...	**40.7**	**−2.4**	**76**	**†10**	**−2**	**23**	**43**	**1.62**	**−1.30**	**1.10**	**4.4**	**11**	**8**	**7**	**15**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	...	...	...	...	...	...	...	1.23	−1.85	.60	2.0	9	14	4	12	w.	H. S. Sutton
Bancroft	Putnam	574	33	42.0	−2.7	76	1	18	†19	37	1.56	−1.06	.30	1.5	13	7	4	19	w.	Fred D. Smith
Beckley	Raleigh	2,440	34	39.8	−.5	69	8	−1	23	46	2.08	−.51	.30	7.6	17	7	11	12	...	L. A. Mauck
Bluefield[e]	Mercer	2,558	42	41.6	−3.3	74	1	6	23	37	1.01	−1.04	.27	2.5	12	9	3	13	...	Norfolk & Western Ry.
Charleston	Kanawha	600	34	[a]41.8	−6.1	[a]72	†7	16	23	40	2.08	−.99	.32	...	10	12	1	17	...	Charleston Daily Mail
Clay	Clay	706	21	...	...	...	...	...	...	...	2.32	−.58	.42	3.6	11	...	...	...	...	S. E. Woofter
Gary	McDowell	1,426	21	40.9	−4.1	73	1	8	23	49	1.14	−1.56	.15	3.0	15	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	0	42.4	...	68	†2	13	23	39	1.20	...	.34	2.0	10	9	6	15	sw.	State Forest Nursery
Hinton	Summers	1,431	40	41.7	−2.4	78	8	12	23	48	1.04	−1.37	.18	T.	11	8	5	17	...	Mrs. M. L. McClung
Hogsett	Mason	564	21	...	...	...	...	...	...	...	.84	−1.84	.27	...	8	...	...	...	...	U. S. Engineers Office
Huntington	Cabell	538	40	43.8	−.5	73	1	16	23	35	1.27	−1.25	.37	1.0	12	6	6	18	sw.	H. N. Robinson
Kanawha Falls	Fayette	618	18	...	...	...	...	...	...	...	1.30	−1.83	.35	...	10	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	21	...	...	...	...	...	...	...	1.89	−1.26	.38	3.0	13	...	...	...	...	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	40.2	−1.7	69	8	10	23	32	1.61	−.87	.57	2.0	15	12	4	14	...	J. K. Monroe
Logan	Logan	700	34	...	...	...	...	...	...	...	1.27	−1.96	.27	T.	11	...	...	...	...	Paul A. Simonds
London	Kanawha	623	1	41.9	...	75	8	13	24	39	1.66	...	.44	1.0	11	12	0	18	se.	Lockmaster
Madison[b]	Boone	675	16	41.2	−2.3	78	2	11	23	45	1.38	−1.27	.38	...	6	8	12	10	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	37	39.2	...	69	8	6	23	42	1.24	−1.70	.43	T.	10	8	4	18	w.	M. B. Bruce
Point Pleasant	Mason	595	44	43.2	−2.1	70	10	15	†23	41	1.14	−1.69	.35	.7	11	3	10	17	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	39.3	...	74	†8	−3	23	51	1.79	...	.25	7.0	18	7	4	19	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	42.4	−3.3	68	†7	14	†23	34	.76	−1.96	.18	...	10	9	0	21	nw.	Lockmaster
Richwood	Nicholas	2,193	7	39.4	...	71	8	0	22	47	2.30	...	.45	11.5	16	5	13	12	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	41.3	−2.1	71	†8	12	23	45	.98	−1.57	.31	2.0	10	12	0	18	...	M. Frazier
Ryan	Roane	700	34	40.0	−3.4	75	†2	8	23	46	1.20	−1.67	.20	5.0	13	11	5	14	...	Wm E. Ryan
Spencer	Roane	789	33	41.2	−2.9	70	8	12	23	40	1.24	−1.43	.20	4.0	14	6	4	20	...	A. M. McKown
Summersville	Nicholas	1,894	4	...	...	...	...	...	...	...	1.84	...	.38	12.5	12	...	...	...	...	Daisy Butler
Sutton	Braxton	850	31	41.5	−2.5	74	†1	10	†23	46	3.05	−.15	.85	6.0	11	15	0	15	...	C. B. Eakle
Union[d]	Monroe	2,250	33	39.6	−2.8	72	1	5	23	47	1.32	−1.02	.60	.0	8	10	3	13	...	C. B. King
Wayne	Wayne	598	10	...	...	...	...	...	...	...	1.23	−1.83	.28	.0	12	...	...	...	...	Mrs. Laura J. Deau
White Sulphur Springs	Greenbrier	1,914	27	37.1	−5.0	70	8	2	23	49	1.45	−.83	.50	.0	5	18	1	11	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	42.6	−3.0	74	1	15	23	39	1.34	−1.48	.29	1.0	13	6	12	12	ne.	J. E. Dotson
Division averages	and extremes	...	...	**41.1**	**−2.9**	**78**	**†2**	**−3**	**23**	**51**	**1.48**	**−1.26**	**.85**	**3.0**	**12**	**10**	**6**	**14**	**w.**	
State averages and	extremes	...	...	**41.0**	**−2.2**	**78**	**†2**	**−3**	**23**	**51**	**1.56**	**−1.18**	**1.75**	**3.6**	**11**	**9**	**6**	**15**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for November 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																		
Bayard	Potomac		.03	.10			.05			.12			.13	.38		.10	.10	.10				.20						.12	.40				1.83
Brandywine	do			T.									.20	.50				T.		T.							T	.50		.20			1.40
Circleville[1]	do						.07			T.				.39	.07	.03	.01	.02			.12	.08	.09					.16	.39	.22			1.65
Harpers Ferry[1]	do			.01										1.47	.02			.03			.03								.68	.13			2.37
Kearneysville	do												.11	1.26						.06	T.							.55	.24				2.22
Martinsburg[1]	do			T.										1.75		T.		.05			.01	T.					T.		.35	.08			2.24
McNeill	do												.03	.55				.08		T.								T.	T.	.08			.74
Piedmont	do													.69						.08								T.	.30				1.07
Romney	do		.03										.07	.82		.02		.10		.05	T.							.12	.23	.15			1.59
Stony River Dam[1]	do															.10		.20			.10		.10						.28	.35			1.13
Wardensville[1]	do			T.										.90				.10		T.								T.	.29	.08			1.37
Northern Division																																		
Aberdeen	West Fork		.08	.04		T.	.03			.37			.17	.07		.13		.17	T.	.10	.21	.13	T.				.05	.05	.08				1.68
Alma (near)	Ohio		.04			.03	.03			.11			.38	.04		.11		.14		.20	.19	.04					.01		.25				1.57
Alpena	Cheat																																
Benson	West Fork		.08				.05			.33			.25	.12		.14		.12		.16		.13	.10				.05		.25				1.78
Bens Run	Ohio		.03			.09			T.	.15			.39	.32	.02	.16	T.	.11		.19	.15	.06					.02	.61	.40				2.70
Brownsville	West Fork		.10			.01	.05			.35		.22	.22	.08		.10	.02	.17		.18	.14	.07					.06	.07	.12				1.96
Buckhannon	Tygart		.18			T.	.15						.52			.18		.18		.15	.20	.10					.08		.31				2.05
Cairo	Litl Kanawha						.20													.98	.03	.02											1.23
Clarksburg[1]	West Fork			.04			.06			.31				.32	.01	.06	.08	.08		.03	.14						.01	.04		.14			1.32
Crawford	do		.18			.03	.06			.33			.16		.05			.20		.13	.16	.08					.07	.05	.15				1.65
Creston[1]	Litl.Kanawha	T.	.06			.11			T.	.21			.27		T.	T.	.15	T.		.02	.18	.03	.05				.07	T.	T.				1.15
Dam 10, Mon. R.[1]	Monongahela			.07			.02	.01		.27				.43		.07	.06	.08			.21	.10	.03					.05	T.	.27			1.67
Dam 13, O. R.[1]	Ohio						.04			.01				.50		.18	.06	.08	.01	.01	.20	.10	T.					.15		.07			1.41
Dam 15, Mon. R.[1]	Monongahela			.10			.04			.27				.38		.05	.04	.08			.24	.08	.02				T.	.02		.18			1.50
Dam 19, O. R.[1]	Ohio			.02			.10			.08			T.	.35		.05	.04	.09		T.	.14	.02	T.	T.				.05	.02	.07			1.03
Dam 20, O. R.[1]	do						.10			.10			T.	.22		.05		.10	T.	T.	.12	.01					T.	.04	T.	.06			.80
Davis[1]	Cheat			T.			T.			T.				.25		.10	.09	.11	.04	T.	.09	.21	.13	.09						.29			1.40
Elizabeth (Dam 3 LK.	Litl.Kanawha			.04			.08			.15				.28		.05		.16		.04	.04							.12		.38			1.34
Elkins[2]	Tygart	T.	.19	T.		.05	.03		T.	.12			.01	T.	T.	.06	.08	.03	T.	.09	.13	.06	T.				.04	.05	.30				1.24
Fairmont[1]	Monongahela		.09			.02				.25			.33	T.	.06	.04	.05	T.	.02	.08	.30	.08				T.			.20				1.52
Glenville[1]	Litl.Kanawha			.15			.03			.20				.31		.06	.04	.15	T.	T.	.06	.21	.05				.08	.12		.20			1.66
Grafton	Tygart			.08			.01			.32				.36		.10	T.	.12	T.	.10	.11	.09					.05	.01	T.	.05			1.40
Hackers Creek	West Fork		.15	.01			.01						.62			.35		T.		.15	.12						.12		.14				1.67
Hastings	Ohio		.03			.04				.21			.08	.30		.22		.17		.18	.21	.10					.01		.44				1.99
Horner	West Fork		.10	.15									.45				.45				.25	.30	.20	.15			.30		.20				2.55
Ireland	do					.32				.31			.12	.13		.07	.09	.14		.21	.12	.21						.08	.11				1.91
Jackson's Mill	do		.10							.36			.39	.30							.09	.06											1.30
Jane Lew	do		.06		.03	T.	.01			.32			.30	.06		.11	T.	.06		.12		.01					.03	.04	.22				1.37
Lost Creek	do		.05			T.	T		T.	.36			.21	.08	T.	.09		.07		.09	.16	.08	T.				.04	T.	.18				1.41
Mannington	Monongahela		.09	T.		.01	.07			.28			.40	.23		.21	.01	.13	T.	.19	.11	.08	T.				.04	.01	.18				2.04
Morgantown	do					.15	.30			.25		T.			T.	.10	.25	T.	T.	.10	.20				T.		.10	.25					1.70
New Cumberland	Ohio		.02			.06			T.	.12			.06	.48	.01	.10		.07		.15		.08						.08	.36				1.59
New Martinsville	do					.06							.32	.12		.20		.08		.15	.35	.08					.20		.30				1.86
Parkersburg[2]	do		T.			.09			.05	.04			.41	T.	.04	.02	.08	.02		.10	.14	.03	T.			T.	.02	.01	.11				1.16
Parsons	Cheat		.13						T.								T.	T.	T.	T	.60						T.	T.					.73
Parsons No. 2	do		.10	.05			.08			.13			.09	.02		.15	.02	.15		.08	.07	.12	.01				T.	.10	.27				1.44
Philippi[1]	Tygart						.07	T.						.23	T.	T.		.32			.23	.12	.02						.13	.25			1.37
Pickens	do		.44				.27			.45						.10		.30		.10	.60	1.10	.10				.20	.03	.40				4.09
Roanoke	West Fork		.05	.11		T.	.15						.12	.43			T.	.25		.12	.10	.05	T.				.10		.05				1.53
Rockford	do		.03				.03			.33			.32	.03		.01	.23				.03	T.	T.				.10	.03	.20				1.34
Saint Marys[1]	Ohio						.11			.15				.68	.10			.14		.02	.28	.08					T.	.15	.18				1.89
Terra Alta	Cheat		T				.03			.03				.02		T.	.04	T.	T.	T.	.30	.60	.07					.02		.07			1.18
Thomas[1]	do			.20										.36		.05	.16	.07			.19	.08	.10							.53			1.74
Valley Chapel	West Fork		.08	.06						.31			.27	.15		.14		.10		.16	.11	.20	.15				.05		.15				1.93
Vandalia	do		.19							.56				.19		.06				.29								.33	.12				1.74
Wellsburg	Ohio		.03			.08				.15			T.	.64		.09		.10		.17		T.						.11	.22				1.59
West Milford	West Fork		.10				.07			.35				.25	.12	.12	.06			.25								.15	.20				1.67
Weston[1]	do			.12			.13			.14				.36		.12		.15	.05	.05	.20	.12	.06					.10	.06	.15			1.81
Wheeling (Dam 12)[1]	Ohio						.05			.07				.55		.10	.02	.09	T.	.04	.25	.14	T.				T.	.15	T.	.17			1.63
Woodlands[1]	do						.08			.08				.31		.18	.08	.08	.01	T.	.13	.08						.10	.08	.15			1.36
Southern Division																																		
Arbovale[1]	Greenbrier		.05			.03				.01			.11			T.		.10		.05	.05	T.	T.				.60		.23				1.23
Bancroft	Gr. Kanawha	.11				.06				.30			.17	.02			.10		.13	.14	.06	.05					.08	.14	.20				1.56
Beckley	New		.06	.14		.09	.14			.19		T.	.30	.06		.05	.06	.21		.12	.08	.06	.07				.19	.14	.12				2.08
Bluefield	do			T.		.04	.06			.07			.27				.01	.16		.02	.10		.10				.03	.08		.07			1.01
Camden-on-Gauley[1]	Gauley			.30			.23			.29			T.	.02	T.	.02		.15	.03		.25	.10	.06	T.				.36		.06			1.87
Charleston	Gr. Kanawha			.12						.32			.04	.21			T.	.16		.06	.26		.02					.25		.64			2.08
Charleston No. 2	do			.12			.14			.32			.04	.21			T.	.16	T.	.06	.26	.04	.02				T.	.25	.04				1.66
Clay[1]	Elk			.15			.18			.21			.01	.38		T.	T.	.22	T.	T.	.42	.18	.07	T.			T.	.22	T.	.28			2.32
Dam 6, G. K.[1]	Gr Kanawha	.11		.11			.10											.13		.04	.12												.61
Gary[1]	Big Sandy			.08			.05			.08			.15	.01	.01			.20			.05	.10	.10	.05			.02	.14	.10				1.14
Greenbottom	Ohio		.04			.07	T.			.17			.34	.05		T.		.11		.14	.06	T.					.04		.18				1.20
Hinton[1]	New			.09			.06			.04			.18	.18				.14	T.		.01	.04	T.	T.				.09	.17	.04			1.04
Hogsett	Ohio									.15				.27		T		.09		.06	.10	.01						.03	T.	.13			.84
Huntington	do		.02			.04	.03		T.	.19			.37	.01		T.		.08		.13	.05	T.	T.				.05	.02	.28				1.27
Kanawha Falls	Gr. Kanawha			.10			.10			T.			.05	.30				.10			.10	.10					.05	.35	T.	.05			1.30
Kayford[1]	New			.20			.23			.20			.08	.15			.02	.13	.02		.27	.05	.01	T.			T.	.38		.15			1.89
Lewisburg	Greenbrier					.04	.08	.01		.04		.04	.33	.03			.01	.10		.03	.10	.10	T.				.03	.57	.10				1.61
Logan[1]	Guyandot			.04			.13			.22	T.		.10	.07		T.	T.	.18	T.	T.	.14	T.	T.	T.			.07	.27	.04	.01			1.27
London	Gr. Kanawha			.13			.09			.21			.01	.32				.19			.17	.01	T.					.44	.08	.01			1.66
Madison[1]	Coal						.19						.33						.23		.20							.38	.05				1.38
Marlinton	Greenbrier					.06	.05			.05			.18	T.			T.	.05	T.	.10	.03	T.					.07	.43	.22				1.24
Point Pleasant[1]	Ohio			T.		T.	.08			.13				.27				.14		.03	.11	.03	.02				T.	.06	.05	.22			1.14
Rainelle	Gauley		.08	.06	.01	.08	.14	T		.11	T.		.25	.02		.03	.01	.12		.09	.17	.12	.04				.13	.14	.19				1.79
Ravenswood (Dam 22	Ohio			T.			.07			.09				.18				.08		.03	.10		.01					.06	.02	.12			.76
Richwood[1]	Gauley		.18			.26				.30		.03	.09	.03	.03	.02	.08			.23	.20	.18	.02				.15	.10	.10				2.30
Robertsburg[1]	Gr. Kanawha		T.	.03		T.	.06			.12		T.		.31		T		.11		.10	.08	T.					T.	.02	.03	.12			.98
Ryan	do		.15			.02				.20			.17				.01	.13		.19	.11	.04	.03				.07	.02	.06				1.20
Sharples[1]	Coal																																
Spencer[1]	Litl.Kanawha		T.	.07			.11			.15				.19			.02	.13		.03	.09	.10				.20	.03	.07	.01	.04			1.24
Summersville[1]	Gauley			.14			.20								.30	.18			.08		.38	.09	.20	.08				.06	.10	.03			1.84
Sutton	Elk			.20			.20			.85			.30			T.	T.	.30	T.	.10	.20	.40					.20	.10	.20				3.05
Thornwood[1]	Greenbrier						.10						.20					.30			.30	.14	.20					.20	.68				2.12
Union	New								.09		.06		.21	.04				.16									.04	.60		.12			1.32
Wayne[1]	Twelvepole					T	.11			.28			.02	.22				.10		.09	.19	.01					.03	.06	.02	.10			1.23
White Sulp'r Spgs.[1]	Greenbrier											.30	.25				.15										.50	.25					1.45
Williamson[1]	Big Sandy			.12		T.	.20			.29		.01						.14	.01	.02	.12	.03	T.				.07	.11	.17	.05			1.34

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. [2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Supplemental Rainfall Data—Harrison County: Total precipitation: Elk, 1.36 inches. Mt. Clare, 1.60 inches. Salem, 1.85 inches. Shinnston, 1.50 inches.

Daily Temperatures for November 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	65	65	50	50	43	43	60	73	65	63	50	44	50	50	40	38	30	32	36	32	20	20	35	35	53	54	65	69	54	45	....	47.6
	Minimum	20	32	30	30	15	32	27	36	40	23	36	30	32	40	30	30	26	20	30	15	10	15	15	5	9	29	40	45	33	22	....	26.6
Brandywine	Maximum	70	73	70	58	50	60	68	72	70	67	65	62	60	61	58	52	45	44	43	40	35	26	43	52	57	61	67	62	50	47	....	56.3
	Minimum	25	30	37	20	24	25	27	35	44	26	34	35	37	35	36	37	31	25	29	25	15	22	6	9	14	32	40	34	25	21	....	27.8
Kearneysville	Maximum	54	71	60	53	49	54	68	75	67	68	57	45	64	64	56	50	45	37	37	37	37	38	35	39	50	52	52	66	50	50	....	52.7
	Minimum	39	49	38	30	27	40	33	48	53	36	31	31	41	45	39	39	33	32	28	29	20	24	21	17	17	36	46	49	31	30	....	34.4
Martinsburg[1]	Maximum	56	74	50	50	47	52	68	78	67	50	49	52	67	65	52	48	47	42	37	40	42	31	42	50	46	52	52	67	50	52	....	52.7
	Minimum	32	33	40	32	26	28	39	38	45	32	32	32	35	42	42	42	35	33	32	32	22	24	25	18	18	20	34	44	34	30	....	32.4
McNeill	Maximum	63	76	59	57	51	53	69	77	72	70	61	42	61	63	55	45	43	43	42	39	33	29	42	56	52	60	55	71	59	52	....	55.0
	Minimum	22	36	38	20	18	33	24	32	51	23	31	30	33	32	32	37	33	30	26	26	18	23	6	5	8	28	42	46	24	20	...	27.6
Piedmont	Maximum	58	70	41	55	48	49	75	76	63	67	44	40	57	48	43	42	40	38	35	32	25	30	37	53	54	57	55	66	54	44	....	49.9
	Minimum	28	39	37	31	24	42	32	50	48	32	33	34	38	43	37	39	35	30	29	25	18	22	25	16	18	42	44	45	31	25	....	33.1
Romney	Maximum	54	55	55	55	47	44	58	73	71	63	63	43	57	57	53	41	41	38	38	34	27	31	36	38	43	51	51	53	53	44	...	48.9
	Minimum	27	39	38	32	23	41	31	39	53	30	34	33	40	41	40	40	35	32	28	26	21	24	18	12	15	33	41	47	33	29	....	32.5
Wardensville	Maximum	68	75	49	58	52	51	68	78	..	70	60	50	63	60	50	45	42	41	45	42	33	33	43	58	56	58	60	68	55	53	....	54.3
	Minimum	25	38	39	26	23	31	28	35	45	..	29	30	37	36	33	39	32	31	29	30	19	24	12	10	14	25	37	38	29	22	....	29.2
Northern Division																																	
Bens Run	Maximum	67	65	51	53	44	55	67	66	64	67	56	55	53	50	42	40	37	40	38	36	28	32	38	46	44	50	68	67	45	40	....	50.1
	Minimum	35	49	33	26	29	40	37	46	42	32	38	41	45	39	36	36	32	28	32	20	19	11	16	16	20	35	45	42	26	29	....	32.5
Buckhannon	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	27	40	32	22	23	36	30	39	40	28	34	35	34	34	34	34	30	25	30	18	14	18	13	13	16	33	44	44	27	28	....	29.2
Cairo	Maximum	66	71	65	56	56	50	58	..	..	..	..	..	..	..	..	..	..	71	39	35	25	30	39	52	48	52	66	76	71	44	....	53.5
	Minimum	29	41	33	18	22	40	44	..	..	..	..	..	..	..	..	..	..	37	32	20	20	9	10	8	13	34	42	28	23	25	....	26.4
Clarksburg[1]	Maximum	70	69	44	52	46	51	65	71	60	65	60	52	53	53	39	40	36	41	37	28	26	30	34	49	52	51	65	72	43	41	....	49.8
	Minimum	29	32	35	21	21	30	29	35	41	26	30	40	43	35	35	35	31	28	28	26	16	13	14	10	11	14	34	43	27	27	....	28.0
Creston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	28	41	32	18	22	40	28	35	41	25	35	40	41	39	35	35	31	25	30	19	14	20	11	9	13	23	32	39	21	23	....	28.3
Elkins	Maximum	68	66	44	49	46	45	64	72	56	62	52	50	55	53	39	36	34	37	37	27	21	23	35	49	46	47	66	68	44	40	....	47.7
	Minimum	25	44	31	24	22	28	28	38	34	27	31	43	44	39	33	30	28	24	27	14	14	18	14	6	13	32	44	33	27	27	....	28.1
Fairmont	Maximum	72	69	61	54	45	52	69	73	64	68	54	50	53	53	45	39	37	41	35	32	28	31	38	53	53	52	65	75	59	46	....	52.2
	Minimum	30	33	35	24	25	32	36	48	44	30	31	37	43	40	35	36	33	27	27	27	17	14	15	13	15	18	38	52	27	27	....	30.3
Glenville	Maximum	52	53	53	51	51	56	69	75	71	68	63	59	57	55	51	41	40	42	40	36	21	30	35	54	45	51	62	73	57	44	....	51.9
	Minimum	29	40	35	20	23	49	29	31	43	44	39	48	46	33	36	36	32	27	32	20	17	8	11	10	11	31	41	43	27	25	....	30.4
Grafton	Maximum	75	73	65	53	52	53	65	75	71	68	62	57	53	55	48	40	40	40	41	38	27	33	37	55	56	53	68	76	74	47	....	55.0
	Minimum	30	41	36	20	23	39	31	36	45	28	34	36	42	37	34	36	32	28	31	21	16	19	17	11	17	35	47	48	28	27	....	30.8
Lost Creek	Maximum	69	65	51	50	45	53	65	70	67	64	58	55	52	52	47	39	37	38	36	35	23	28	34	51	52	51	64	70	53	44	....	50.6
	Minimum	26	41	35	20	29	38	29	40	45	25	35	43	42	39	35	35	32	27	30	21	15	15	12	7	11	35	44	44	26	29	....	30.2
Mannington	Maximum	68	69	53	47	43	49	64	70	66	62	53	50	52	53	47	39	38	37	36	34	28	30	34	46	50	50	64	71	54	40	....	49.9
	Minimum	26	39	36	18	21	39	29	39	38	26	37	37	45	31	35	36	33	28	31	22	18	8	14	9	12	32	44	43	27	25	....	29.3
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	36	40	33	36	40	36	33	40	38	36	33	34	35	33	35	33	35	25	20	19	16	14	16	25	20	31	36	38	25	30	....	30.7
New Cumberland	Maximum	66	64	57	51	45	55	65	68	63	67	56	53	54	52	40	42	40	38	35	33	31	33	37	47	49	51	65	70	42	33	....	50.2
	Minimum	29	49	36	32	29	41	41	53	43	30	29	31	42	38	34	37	34	27	30	25	19	17	21	17	18	23	42	41	23	24	....	32.0
New Martinsville	Maximum	68	68	54	53	45	55	68	68	65	68	58	54	54	53	42	40	40	40	39	35	33	37	40	50	50	52	67	70	42	40	....	51.6
	Minimum	33	48	36	24	27	40	37	48	42	30	37	40	45	39	37	36	33	29	32	21	19	14	17	13	17	36	46	40	23	28	....	32.2
Parkersburg	Maximum	69	67	43	52	46	54	68	66	62	66	55	58	54	51	42	40	37	40	36	30	28	31	38	51	50	53	64	69	44	39	....	50.1
	Minimum	39	43	31	26	29	40	42	56	37	32	40	44	47	37	37	34	32	27	30	17	17	22	19	17	21	41	48	32	26	27	....	33.0
Parsons	Maximum	70	68	50	50	41	58	50	40	67	76	70	69	61	55	55	50	40	50	42	35	20	21	40	53	50	48	68	72	55	40	....	52.1
	Minimum	27	40	28	26	27	25	22	28	24	32	35	27	31	42	39	34	34	26	30	20	10	15	17	9	8	26	42	47	28	27	....	27.5
Pickens	Maximum	69	61	58	48	45	43	60	70	61	62	64	56	59	51	43	37	54	34	20	29	26	21	32	50	52	50	62	59	54	38	....	48.9
	Minimum	27	41	25	17	25	27	26	40	33	23	27	38	38	33	27	26	20	17	15	9	7	12	−2	10	18	30	42	40	20	14	...	24.3
Wellsburg	Maximum	67	65	52	50	43	53	64	70	64	65	54	52	55	52	43	41	39	37	36	33	30	31	35	44	52	51	65	73	55	39	....	50.3
	Minimum	24	31	35	20	22	39	31	39	43	24	25	29	41	32	35	36	33	27	30	25	19	14	15	9	12	28	42	47	23	24	....	28.5
Weston	Maximum	69	70	59	44	45	48	60	71	70	65	63	56	53	52	43	39	38	38	39	37	24	28	34	38	49	53	63	68	54	45	....	50.5
	Minimum	30	43	35	28	24	39	32	42	44	29	39	42	44	41	36	36	32	28	32	21	17	14	14	11	16	39	46	46	28	31	....	32.0
Wheeling	Maximum	65	65	63	52	44	54	60	67	62	65	50	48	53	52	40	38	39	39	36	30	30	32	35	45	46	51	63	55	50	39	....	48.9
	Minimum	32	35	37	32	29	37	41	46	47	32	33	34	44	36	37	34	34	28	28	28	20	18	16	18	16	20	39	45	25	26	....	31.6
Southern Division																																	
Beckley	Maximum	66	66	57	55	51	53	66	69	62	67	55	46	57	55	45	38	34	41	37	33	21	22	40	55	54	56	64	64	53	57	....	51.3
	Minimum	35	43	31	18	27	33	28	45	42	28	38	33	42	29	31	29	25	18	28	11	9	15	−1	9	23	38	45	49	21	23	....	28.2
Bluefield	Maximum	74	64	60	58	52	50	..	71	65	62	60	44	56	..	57	42	38	45	42	35	..	23	43	56	..	57	65	..	66	50	....	53.4
	Minimum	38	43	35	23	35	34	..	31	48	31	41	32	40	..	32	33	26	19	33	15	..	10	6	15	..	24	51	..	24	27	....	29.8
Charleston	Maximum	68	44	52	50	55	68	72	64	65	61	54	61	55	49	43	39	47	42	30	36	31	37	49	49	52	65	72	47	15	..	....	51.7
	Minimum	38	36	29	27	28	37	32	38	42	35	35	44	47	40	39	37	36	29	30	22	20	19	16	17	19	25	40	42	29	28	...	31.9
Gary[1]	Maximum	73	69	44	58	50	55	69	72	60	68	54	51	61	59	41	45	39	46	41	41	24	26	44	58	54	57	63	70	52	51	....	53.2
	Minimum	34	36	39	22	22	31	29	31	32	34	35	39	41	32	37	39	33	26	26	21	16	20	8	9	13	22	38	44	28	22	....	28.6
Hinton[1]	Maximum	68	66	48	60	47	61	75	78	68	67	53	48	61	60	41	46	37	49	42	25	27	28	48	57	48	51	64	73	54	56	....	55.4
	Minimum	33	34	38	26	26	30	29	30	32	31	32	35	37	34	35	37	33	23	25	22	16	19	12	14	15	17	32	42	27	24	....	28.0
Huntington	Maximum	73	70	55	57	48	59	71	68	68	67	57	52	65	58	48	41	37	43	40	35	27	32	43	52	47	54	65	66	49	44	....	53.1
	Minimum	41	51	34	25	30	41	39	45	51	33	43	42	47	42	40	37	32	25	35	21	20	23	16	17	21	39	46	40	27	30	...	31.4
Lewisburg	Maximum	60	66	62	50	45	50	61	69	61	60	54	45	55	55	46	41	38	36	37	37	25	25	36	46	43	47	57	65	55	46	....	49.1
	Minimum	35	38	33	27	28	37	29	37	48	32	41	34	45	42	35	35	29	23	30	17	14	21	10	14	20	34	45	54	28	25	....	31.4
Madison	Maximum	77	78	71	45	55	51	..	68	73	65	70	62	..	65	58	44	40	36	43	39	25	27	30	36	47	47	52	63	71	47	....	53.0
	Minimum	34	37	36	22	22	40	..	32	39	31	33	40	..	37	38	36	33	28	29	22	18	22	11	12	15	24	39	43	26	23	....	29.4
Marlinton	Maximum	61	67	61	53	52	49	63	69	64	63	55	57	56	55	60	43	39	40	36	35	27	25	42	50	47	49	53	65	54	48	....	51.3
	Minimum	25	32	33	21	22	35	22	28	45	25	33	35	43	33	36	33	30	31	26	11	13	19	6	8	10	29	41	43	25	20	....	27.1
Point Pleasant	Maximum	65	61	53	53	50	57	69	68	69	70	62	56	63	60	49	44	42	45	40	35	33	34	39	56	54	58	63	66	49	46	....	53.5
	Minimum	39	50	34	23	27	40	35	42	41	30	40	44	45	42	37	36	33	28	33	21	20	22	15	15	19	37	46	43	25	25	....	32.9
Rainelle	Maximum	54	72	66	55	48	52	62	74	74	72	68	47	56	57	55	40	41	41	40	33	21	22	42	56	48	47	58	72	63	47	....	52.8
	Minimum	29	33	30	17	19	35	22	29	43	23	32	36	44	28	32	31	27	20	26	14	11	17	−3	5	11	31	41	51	24	17	....	25.
Ravenswood	Maximum	65	67	53	54	55	55	68	68	65	63	61	55	57	58	49	54	40	40	38	35	28	31	37	44	49	53	62	64	54	45	....	52.2
	Minimum	34	52	33	21	25	41	35	38	41	29	41	43	46	39	37	37	33	29	33	21	20	25	14	14	18	38	42	44	27	27	....	32.0
Richwood	Maximum	62	65	66	60	52	49	65	71	68	65	68	63	53	53	36	38	35	40	42	30	25	25	40	56	54	53	58	66	59	58	....	52.3
	Minimum	44	33	21	32	31	27	29	48	29	35	34	35	38	32	34	33	23	25	20	12	15	0	1	9	17	35	47	22	21	23	....	26.0
Robertsburg[1]	Maximum	67	68	47	56	50	58	62	71	69	69	54	57	62	52	44	45	38	41	37	29	29	32	43	58	50	58	65	71	46	41	....	52.1
	Minimum	36	39	36	23	24	40	33	30	45	30	32	42	46	37	39	36	33	26	29	22	19	24	12	13	18	20	40	42	25	23	....	30.
Ryan	Maximum	70	75	50	55	46	55	70	75	65	65	55	54	55	55	46	40	35	50	36	33	25	29	37	55	55	54	65	70	45	40	....	52.0
	Minimum	30	40	30	18	21	22	28	44	34	26	36	41	48	29	36	35	32	20	31	20	16	21	8	9	9	32	40	41	22	20	....	28.0
Spencer[1]	Maximum	68	69	47	50	48	50	69	70	65	66	55	53	46	54	42	40	35	43	38	24	25	30	38	50	52	55	60	61	46	43	....	49.
	Minimum	33	44	36	21	40	41	32	43	46	29	42	43	45	37	37	36	35	25	28	21	18	22	12	12	12	40	42	42	43	26	....	32.8
Sutton	Maximum	74	74	60	56	56	51	70	72	72	64	60	58	56	56	50	41	40	39	38	37	27	28	40	55	55	55	66	70	70	47	....	54.0
	Minimum	28	40	35	20	21	39	28	35	40	26	35	38	37	32	35	34	31	26	31	20	12	18	10	10	14	32	43	32	26	24	....	28.
Union	Maximum	72	66	63	55	56	51	..	71	69	63	61	42	55	..	54	41	43	41	41	35	..	24	40	52	50	52	59	..	63	48	....	52.0
	Minimum	31	34	34	19	23	36	..	24	47	27	36	33	43	..	32	33	20	21	26	19	..	19	5	9	11	25	43	..	25	18	....	26.
White Sulphur Spgs.	Maximum	65	56	47	46	44	54	62	70	64	68	48	50	52	59	49	48	47	44	39	32	25	28	28	54	51	51	55	54	32	33	....	48.
	Minimum	27	32	34	19	20	33	22	26	44	24	38	33	39	32	35	32	25	24	28	17	14	20	2	5	10	26	40	27	27	16	....	25.
Williamson[1]	Maximum	74	70	44	58	52	59	72	73	67	63	59	55	66	58	44	42	38	45	42	28	28	31	41	55	52	54	62	68	50	49	....	53.
	Minimum	38	41	39	27	28	40	34	35	36	38	39	44	46	37	37	38	34	27	28	23	19	23	15	16	18	22	39	46	26	25	....	31.

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 12-31-37—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLV PARKERSBURG, W. VA., DECEMBER 1937 No. 12

GENERAL SUMMARY

The first half of the month was decidedly cold, and the last half warm. The first 14 days were the coldest experienced since the record-breaking year of 1917; daily mean temperatures averaged from 13° to 20° below normal. The second half of the month was continuously above the normal.

The precipitation was deficient in almost all sections of the State. The periods of greatest amounts received were from the 5th to 8th, and 13th to 28th. During the latter period, moderately heavy rains on the 16th to 18th caused floods in the northern panhandle area and near floods elsewhere on the Ohio on the 19-20th. Snowfall for the month averaged an inch above the normal, ranging from a trace in the northeastern panhandle section to 19 inches in the mountain region. The ground was covered generally by snow during the first half of the month, protecting the winter grains during the cold period. During the cold period from the 10th to 16th, the Ohio river and tributaries were frozen to an average depth of two inches. —*H. C. D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 31.9°, or 1.3° below normal; for the northern division, 31.4°, or 3.8° below normal; for the southern division, 33.2°, or 2.0° below normal; and for the State, 32.2°, or 2.3° below normal. The highest mean temperature, 35.7°, occurred at Huntington, and the lowest, 26.9° at Terra Alta. The highest temperature was 66° at Pickens and Wardensville on the 17th, and the lowest 9° below zero at Benson and Bayard on the 12th. The greatest daily range was 46° at Rainelle on the 3d.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.50 inches, or 1.01 inches below normal; for the northern division, 3.13 inches, or 0.44 inch below normal; for the southern division, 2.39 inches, or 0.92 inch below normal; and for the State, 2.66 inches, or 0.68 inch below normal. The greatest monthly precipitation, 5.15 inches, occurred at Sutton, and the least, 0.35 inch at White Sulphur Springs. The greatest amount in any 24 consecutive hours was 1.50 inches, on the 18th, at Horner. The greatest monthly snowfall was 19.0 inches at Pickens.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 2; 5th, 1; 14th, 3; 15th, 5; 16th, 8; 17th, 6; 18th, 19th, 20th, 23d, 24th, 27th and 28th, 1 each; 29th and 30th, 2 each; 31st, 1.

Halos, solar: 3d, 1; 12th, 1.

Sleet: 5th, 1; 13th, 7; 14th, 7; 15th, 13; 17th, 2; 19th and 27th, 1 each. *Glaze:* 13th, 1; 14th, 2.

ERRATA

November, 1937: Mean temperature: Benson, 39.4°; Fairmont, 41.2°; northern division, 40.5°; State, 40.9°.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.18	30.63	2	29.57	17	8.0	26	sw.	8	83	77	78	33
Columbus, Ohio	30.16	30.62	29	29.54	17	9.4	38	sw.	8	80	74	76	31
Elkins	30.12	30.64	29	29.55	18	6.5	35	sw.	20	84	71	76	36
Parkersburg	30.18	30.61	29	29.52	18	6.1	20	nw.	8	85	73	79	32
Pittsburgh, Pa	30.15	30.62	29	29.48	18	10.3	33	sw.	22	87	73	76	35
Wytheville, Va	30.17	30.58	29	29.60	18	7.5	24	w.	22	86	68	77	40

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	......	......	......	......
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	......	......	......
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	5.84	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	24.3	67	−37	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	43.1	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	83	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	1.20	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	0.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
Period	34.5	83	−37	2.51	3.59	3.31	3.34	6.4	11	9	7	15

Climatological Data for December 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	28.4	+0.3	57	18	−9	12	42	3.45	−0.39	1.13	7.0	11	10	3	18	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	21	33.8	−.4	62	†16	2	12	34	.95	−1.15	.40	8.0	5	17	1	13	s.	E. L. Keister
Circleville	Pendleton	4,550	5	...	...	...	...	...	...	...	2.08	...	.34	1.2	12	...	...	...	...	Moses R. Bennett
Harpers Ferry	Jefferson	244	48	...	...	...	...	...	...	...	.65	−1.96	.27	T.	5	...	...	...	...	Eleanor White
Kearneysville	Jefferson	548	7	31.6	...	50	†16	10	12	24	.55	...	.18	...	6	13	9	9	n.	F. J. Schueiderhan
Martinsburg	Berkeley	435	45	33.2	−.8	63	18	14	13	34	.71	−1.35	.42	.2	5	25	3	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	41	31.6	−1.0	61	30	−2	12	41	1.02	−1.04	.30	5.5	6	12	8	11	w.	R. E Saville
Piedmont	Mineral	1,053	24	31.8	−1.2	57	18	3	12	28	1.49	−.92	.60	6.0	5	9	9	13	w.	C. A. Suter, Jr.
Romney	Hampshire	824	39	32.4	−2.1	57	26	5	12	29	2.02	−.23	.40	5.0	9	11	15	5	...	Miss Lucille Keister
Stony River Dam	Grant	3,300	17	...	...	...	...	...	...	...	2.64	−.60	.76	16.0	10	6	1	24	w.	A. C. Becker
Wardensville	Hardy	1,200	16	^{d}32.2	−1.5	^{d}66	17	^{c}1	12	41	.98	−.76	.60	3.0	4	11	10	10	...	Reymann Memorial Farm
Division averages	and extremes	...	...	**31.9**	**−1.3**	**66**	**17**	**−9**	**12**	**42**	**1.50**	**−1.01**	**1.13**	**5.2**	**7**	**13**	**6**	**12**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	13	...	...	...	...	...	...	...	3.06	+.06	.92	6.5	13	5	7	19	w.	L. Else Bond
Alma (near)	Tyler	800	10	...	...	...	...	...	...	...	2.41	−.57	.50	3.8	15	7	5	19	...	D. N. Furbee
Benson	Harrison	1,080	13	31.0	−5.0	59	†17	−9	12	35	2.94	−.55	.82	8.0	15	9	5	17	...	R. D. Marts
Bens Run	Tyler	652	35	32.1	−2.4	56	18	2	12	23	3.51	−.05	1.05	4.0	14	13	6	12	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	14	...	...	...	...	−4	12	...	3.21	−.11	.83	7.7	13	6	13	12	...	W. B. Worley
Buckhannon	Upshur	1,411	40	32.8	−1.4	60	18	−2	12	27	4.01	−.17	1.23	11.0	13	10	4	17	...	H. A. Darnall
Cairo	Ritchie	680	36	31.2	−3.5	58	18	−4	†9	36	1.89	−1.56	.60	5.5	10	8	3	20	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	15	31.2	−4.0	59	17	−4	12	34	2.32	−.76	.72	7.1	12	7	5	19	w.	Clarksburg Water Board
Crawford	Lewis	1,107	14	...	...	...	...	...	...	...	3.43	−.16	1.24	7.4	15	7	4	20	nw.	George W. Blair
Creston	Wirt	640	35	...	...	...	...	−4	12	...	2.63	−.84	.71	6.0	14	11	0	20	...	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	16	...	...	...	...	...	...	...	2.44	−.98	.62	5.5	15	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	21	...	...	...	...	...	...	...	2.62	−.36	1.15	3.5	14	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Marion	882	16	...	...	...	...	...	...	...	2.60	−.53	.73	4.7	16	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	21	...	...	...	...	...	...	...	2.88	−.25	1.07	4.0	15	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	21	...	...	...	...	...	...	...	2.88	−.26	1.12	4.0	13	...	...	...	...	Lockmaster
Davis	Tucker	3,093	28	...	...	...	...	...	...	...	2.58	−1.45	1.01	16.0	12	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	25	...	...	...	...	...	...	...	2.56	−.57	.62	...	11	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	36	32.4	−.3	60	17	−5	12	30	1.02	−.39	.86	9.5	19	5	8	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	31	32.4	−1.2	56	31	−1	12	31	3.21	−.28	.65	10.0	17	9	3	19	w.	J. C. Robinson
Glenville	Gilmer	738	43	32.7	−3.2	55	†17	−2	12	43	3.09	−.84	.67	7.0	12	5	9	17	w.	Howard R. Brannon
Grafton	Taylor	1,000	44	33.2	−1.0	61	†17	−3	12	32	2.24	−.84	.68	4.5	10	10	1	20	...	L. W. Clayton
Hastings	Wetzel	809	2	...	...	...	...	...	...	...	3.10	...	.74	5.0	17	10	7	14	w.	L. G. McIntyre
Horner	Lewis	1,044	11	...	...	...	...	...	...	...	4.20	+.67	1.50	...	13	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	14	...	...	...	...	...	...	...	2.69	−.39	.61	...	15	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	39	31.2	−3.2	57	31	−8	12	31	2.52	−1.00	.54	7.6	15	7	4	20	w.	Allen Smith
Mannington	Marion	985	34	30.6	−3.0	58	18	−6	12	33	3.02	−.55	.66	5.5	19	8	5	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,250	44	29.4	−5.0	46	18	0	12	21	3.80	+.70	1.15	11.0	10	13	3	15	...	Bruce Davis
New Cumberland	Hancock	671	39	30.7	−1.0	54	18	3	13	25	2.92	+.16	1.36	3.0	16	7	4	20	nw.	C. O. Valentine
New Martinsville	Wetzel	634	43	28.9	−6.4	52	31	−2	11	32	4.09	+.53	1.10	2.7	14	7	4	20	n.	Wm. Ankrom
Parkersburg	Wood	615	50	33.6	−1.6	58	17	2	12	26	3.14	+.56	.83	6.5	14	6	4	21	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	37	34.8	−2.5	60	†17	−4	12	33	3.44	−.61	1.05	10.0	17	^{e}9	^{e}1	^{e}16	...	J. W. Swisher
Parsons No. 2	Tucker	1,649	11	...	...	...	...	...	...	...	3.36	−.69	1.03	10.5	17	11	5	15	...	Robert T. Deem
Philippi	Barbour	1,550	40	...	...	...	...	...	...	...	2.87	−.90	.88	2.8	10	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	34	29.7	−2.5	65	17	−5	†12	35	4.02	−1.36	.95	19.0	12	10	5	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	11	...	...	...	...	...	...	...	2.91	−.46	.78	5.6	15	8	2	21	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	29	...	...	...	...	...	...	...	3.40	+.06	1.20	3.0	11	...	...	...	...	Edward Hughes
Terra Alta^{f}	Preston	2,559	36	26.9	−3.7	55	18	−4	13	30	4.90	+.16	1.30	10.0	10	6	0	19	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	8	...	...	...	...	...	...	...	4.50	...	1.10	14.0	12	...	...	...	...	H. L. Stiles
Valley Chapel	Lewis	1,011	14	32.6	−4.9	60	†17	−2	12	35	3.04	−.18	.72	9.0	11	9	3	19	nw.	J. C. Campbell
Vandalia	Lewis	1,120	14	...	...	...	...	...	...	...	3.22	+.82	.87	8.0	7	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	30	29.3	−3.1	54	18	−2	13	31	3.12	+.21	1.08	2.0	12	9	4	18	...	George P. Pfister
West Milford	Harrison	979	12	...	...	...	...	...	...	...	2.98	−.10	.85	...	12	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	42	33.4	−2.4	59	31	−2	12	27	3.39	−.24	.75	7.0	15	3	10	18	...	A. Henry
Wheeling (Dam 12)	Ohio	659	50	30.0	−2.6	51	31	5	13	25	2.78	−.20	.94	5.5	14	8	4	19	sw.	Lockmaster
Woodlands	Marshall	637	10	...	...	...	...	...	...	...	2.80	−.41	1.05	4.5	11	4	9	18	...	R. W. Rist
Division averages	and extremes	...	...	**31.4**	**−3.8**	**66**	**17**	**−9**	**12**	**43**	**3.13**	**−.44**	**1.50**	**7.2**	**14**	**8**	**5**	**13**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	11	...	...	...	...	...	...	...	1.98	−1.18	.50	15.5	9	11	7	13	w.	H. S. Sutton
Bancroft	Putnam	574	33	32.6	−2.8	64	31	9	12	31	2.57	−.90	.73	8.0	15	9	1	21	w.	Fred D. Smith
Beckley	Raleigh	2,440	34	31.6	+.3	59	31	−4	12	31	2.54	−.77	.38	13.2	16	6	6	19	...	L. A. Mauck
Bluefield	Mercer	2,558	42	^{b}33.6	−3.3	^{b}61	29	4	7	33	2.42	−.46	.50	8.5	12	10	1	20	...	Norfolk & Western Ry.
Charleston	Kanawha	600	34	35.4	−4.2	64	31	10	12	31	1.90	−1.74	.50	6.7	13	6	0	25	...	Charleston Daily Mail
Clay	Clay	706	21	...	...	...	...	...	...	...	3.43	−.07	.46	9.8	16	...	...	...	...	S. E. Woofter
Gary	McDowell	1,426	21	34.5	−3.3	64	17	4	†11	32	2.07	−1.30	.68	6.5	13	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	0	34.1	...	63	31	6	12	30	2.08	...	.60	6.5	13	7	6	18	sw.	State Forest Nursery
Hinton	Summers	1,431	40	33.4	−2.2	59	30	7	†10	34	1.46	−1.72	.32	6.0	11	10	6	15	...	Mrs. M. L. McClung
Hogsett	Mason	564	21	...	...	...	...	...	...	...	1.78	−1.48	.60	T.	10	...	...	...	...	U. S. Engineers Office
Huntington	Cabell	538	40	35.7	+.1	62	31	8	12	29	2.31	−1.06	.51	7.3	14	6	5	20	ne.	H. N. Robinson
Kanawha Falls	Fayette	618	18	...	...	...	...	...	...	...	1.91	−1.45	.35	...	11	...	...	...	...	J. O. Brown
Kayford	Kanawha	1,335	21	...	...	...	...	...	...	...	3.24	−.67	1.10	18.0	16	...	...	...	...	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	37	33.1	−.1	56	18	9	7	25	1.47	−1.64	.44	7.5	9	6	9	16	...	J. K. Monroe
Logan	Logan	700	34	...	...	...	...	...	...	...	2.46	−1.64	.92	6.0	13	...	...	...	...	Paul A. Simonds
London	Kanawha	623	1	35.3	...	64	31	7	†12	25	3.13	...	.91	8.0	13	5	0	26	se.	Lockmaster
Madison	Boone	675	16	34.3	−.7	62	18	5	†10	30	2.13	−.77	.63	6.0	10	6	4	21	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	37	31.8	...	57	18	−2	12	34	2.00	−1.90	.41	11.9	15	9	2	20	...	M. B. Bruce
Point Pleasant	Mason	595	44	34.8	−1.0	59	31	3	12	33	2.98	−.52	.92	6.5	15	6	6	19	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	7	30.5	...	59	18	−8	10	46	2.05	...	.42	18.5	17	8	2	21	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	14	32.8	−5.1	59	31	0	12	26	2.06	−1.26	.70	6.5	11	6	1	24	nw.	Lockmaster
Richwood	Nicholas	2,193	7	27.8	...	55	31	−3	†9	31	3.48	...	.48	14.0	20	7	5	19	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	37	32.0	−2.7	61	31	2	12	32	1.85	−1.49	.46	6.0	12	9	0	22	...	M. Frazier
Ryan	Roane	700	34	32.2	−2.3	60	31	−3	9	35	2.91	−.34	.60	8.6	17	7	4	20	...	Wm E. Ryan
Spencer	Roane	789	33	34.5	−2.0	60	31	−1	12	36	3.18	−.23	.75	6.0	13	5	5	21	...	A. M. McKown
Summersville	Nicholas	1,894	4	...	...	...	...	...	...	...	2.61	...	.36	...	14	...	...	...	...	Daisy Butler
Sutton	Braxton	850	31	33.2	−2.0	62	31	−2	12	30	5.15	+1.33	1.45	16.0	11	14	0	17	...	C. B. Eakle
Union	Monroe	2,250	33	32.6	−1.4	56	†18	−1	11	33	1.25	−1.67	.40	...	6	9	10	12	...	C. B. King
Wayne	Wayne	598	10	...	...	...	...	...	...	...	2.45	−.58	.73	5.0	13	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	27	31.1	−2.0	60	18	−2	†11	39	.35	−2.75	.35	.0	1	11	0	20	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	37	35.6	−2.0	61	31	9	†11	25	2.99	−.79	.75	5.0	14	4	7	20	...	J. E. Dotson
Division averages	and extremes	...	...	**33.2**	**−2.0**	**64**	**†17**	**−8**	**10**	**46**	**2.39**	**−.92**	**1.45**	**8.5**	**13**	**8**	**4**	**19**	**nw.**	
State averages and	extremes	...	...	**32.2**	**−2.3**	**66**	**17**	**−9**	**12**	**46**	**2.66**	**−.63**	**1.50**	**7.4**	**13**	**8**	**5**	**18**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for December 1937

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac					.10	.40	.20							.28		.52	.20	1.13					.06	T.	.03		.10	.43				3.45
Brandywine	do		T.			.05	.20							.40		T.		T.	.10										.20				.95
Circleville[1]	do					T.	.28	.07							.13	.09	.31	.14	.18	.10		.06				.16	.22		.34				2.08
Harpers Ferry[1]	do						.13	.01									.05		.19										.27				.65
Kearneysville	do						.18									.03		.09	.07						.02	T.			.16				.55
Martinsburg[1]	do						.15	.10									.02		.02										.42				.71
McNeill	do					.26	.22								T.		T.	.04	.12						T.	T.	.08	T.	.30			T.	1.02
Piedmont	do						.25			T.						T.		.15	.60									.15	.34				1.49
Romney	do					.23	.25									T.	.26	.25	.40	.10		T.			T.	.03		.15	.35				2.02
Stony River Dam[1]	do						.40	.20							.20			.08	.76					.10		.10		.40	.30			.10	2.64
Wardensville[1]	do					T.	.20	T.			T.	T.					.02	T.	.60								T.		.16				.98
Northern Division																																	
Aberdeen	West Fork					.21	.37	.09	.07	T.				.11		T.	.47	.13	.92	.02	T.	.04	T.	.15	T.			.31	.17			T.	3.06
Alma (near)	Ohio					.25	.09	.01	.05							.01	.47	.50	.45		.01		.14		.05	.01		.15	.17			.05	2.41
Alpena	Cheat																																
Benson	West Fork					.15	.30	.10	.06					.10			.45	.25	.82	.03			.02		.15	.02		.30	.15			.04	2.94
Bens Run	Ohio				T.	.29	.10	.09						T.			.48	.54	1.05		T.	.03	.28	.04	.06	.04		.38	.08			.05	3.51
Brownsville	West Fork					.22	.37	.10	.20					.10		.04	.54	.20	.83	.03				.15				.26	.17				3.21
Buckhannon	Tygart					.20	.50	.15	.10				.20				.60	.22	1.23	T.	T.		.08		.20	.08		.30	.15			T.	4.01
Cairo	Litl Kanawha						.25		.03	.02				.03			.10	.36	.60				.10					.05	.35				1.89
Clarksburg[1]	West Fork					.02	.28	.02	.06	.05					.02	T.	.26	.28	.72			.02		.14					.45				2.32
Crawford	do					.21	.36	.04	T.					.18		.02	.46	.14	1.24	.02		.02	.21			.05		.31	.13			.04	3.43
Creston[1]	Litl.Kanawha				.13		.18	.07	.02	.01			T.	.20	T.		.16	.20	.71	.03	T.		.27		.03			.60			.02	T.	2.63
Dam 10, Mon. R.[1]	Monongahela					.02	.51	.02	.02	.01						.02	.21	.38	.62	.13		.02		.12		.02	.03		.31				2.44
Dam 13, O. R.[1]	Ohio					.03	.25	.02	.02	.05						.02	.20	.51	1.15	.17			.07	.01	.10	.02							2.62
Dam 15, Mon. R.[1]	Monougahela					.03	.43	.06	.04	.02						.04	.26	.33	.73	.10		.02		.13		.04	.03		.31			.03	2.60
Dam 19, O. R.[1]	Ohio					.07	.23	.03	.01	.01					.14	.02	T.	.43	1.07	.09		.01		.19		.05			.51	T.		.02	2.88
Dam 20, O. R.[1]	do					.05	.28	T.	T.					T.	.12		.11	.35	1.12	.07		.03		.20		.06	.02		.46			.01	2.88
Davis[1]	Cheat						.01	.18	.09						.21	.30	.19	.21	1.01	.21				.07				.10					2.58
Elizabeth(Dam 3 LK.	Litl.Kanawha				.03	.10										.30	.24	.24	.62	.02			.20		T.	T.		.52			.03	.26	2.56
Elkins[2]	Tygart				T.	.35	.13	.02	.04					.13	T.	.09	.55	.20	.86	T.	.05	.01	.07	.04	.01	.10	.02	.37	.02		.01	T	3.07
Fairmont[1]	Monongahela				.04	.14	.30	.20	.05							.20	.37	.65	.12		.05	T.	.18	.04	.10	.01		.30			.03	.40	3.21
Glenville[1]	Litl.Kanawha					.12	.36	.12	T.					T.	.29		.22	.30	.67	.06		T.		.28		.09			.52			.06	3.09
Grafton	Tygart						.11	.39	.04	.02					T.	T.	.35	.18	.68	T.	T.			.12		.02			.33			T.	2.24
Hackers Creek	West Fork					.21	.26										.20	.35	.25				.01		.10			.30				.25	1.96
Hastings	Ohio					.22	.24	.10	.05							.03	.45	.50	.74	.02		.03	.10	.18	.08	.04		.15	.14	T.		.03	3.10
Horner	West Fork					.60	.25	.20		.15		.10	.05			.15	.25	.30	1.50									.20	.40			.05	4.20
Ireland	do				.48	.25	.41	.14						.52				.21	1.03	.16	.23									.36	.06		3.85
Jackson's Mill	do					.35	.15		.03	.10				.03		T.		.30	.50		T.												1.46
Jane Lew	do					.22	.28	.04	.10				.11			.04	.40	.18	.61	.03	T.	.01		.17		.01		.35	.14		T	T.	2.69
Lost Creek	do					.16	.32	.07	.08	T.				.05		.03	.22	.41	.54	T.	T.	.02	.06	.05		.03		.28	.20			T.	2.52
Mannington	Monongahela					.23	.24	.07	.08	.02						.05	.41	.48	.66	.01	.01	.02	.12	.08	.06	.03		.30	.10			.05	3.02
Morgantown	do					.15	.50	.20	.20							T.	.50	1.15	.56	T.			.30		.20	T.		T.	T		T.	.10	3.80
New Cumberland	Ohio				T.	.03	.01	.01	.02							.07	.35	1.38	.53		.02	T.	.05	.01	.14	.04		.12	.02			.12	2.92
New Martinsville	do					.20	.05	.12								.38	.45	.78	1.10		.08	T.	.22		.12	.06		.30	.08		.15		4.09
Parkersburg[2]	do					.06	.32	.02	.06	.03				T	.14	T.	.06	.41	1.09	.05		T.	T	.20	T.	.04	.01		.47	T		T.	2.96
Parsons	Cheat					.25	.25		.15	.15				.10		.05	.65	.20	1.05	T	.02	.10	.01	.10	.01	.05		.20	.10				3.44
Parsons No. 2	do					.27	.23		.18	.10				.09		.05	.64	.20	1.03	T.	.02	.05	.01	.11	.01	.05		.22	.10				3.36
Philippi[1]	Tygart					.09	.46	.04	.03								.14	.38	.88	.04						.05		.40					2.87
Pickens	do					.30	.40	.30	.10	.20				.30			.95	.24		T.	.10	.10	.33					.70					4.02
Roanoke	West Fork					.45	.11	.07	T.	T.				.06		.05	.52	.21	.78		.05		.04	.14		.02		.32	.07			.02	2.91
Rockford	do					.16	.28	.02	.03					.05		.02	.39	.27	.54		.01			.18				.37	.08			T.	2.40
Saint Marys[1]	Ohio					.12	.36		.02	.02							.22	.60	1.20	.04			T.	.40	.02				.40			T	3.40
Terra Alta	Cheat						.40	.20	T.							T.	.90	.70	1.30		.40	.10	T.			.30			.60				4.90
Thomas[1]	do						.45	.45	T.						.05	T.	.55	.45	1.10	.41		.10		.09		.10	.08		.67				4.50
Valley Chapel	West Fork					.20	.30	.10	.22								.55	.15	.72				T.	.17	T	T.		.32	.21			T.	3.04
Vandalia	do					.32											.87	.51	.81				.11			.18		.42					3.22
Wellsburg	Ohio					.24	T.		.05							T.	.30	1.08	.84				.06	.08	.12	.06		.14	.05		T	.10	3.12
West Milford	West Fork					.20		.10									.85	.22	.67	.05		.06		.18				.20	.30	.05		.10	2.98
Weston[1]	do					.05	.50	.12	.10	.05					.15	T.	.38	.32	.75	.10		.05		.22		.02			.54			.04	3.39
Wheeling (Dam 12)[1]	Ohio					.02	.27	.03	.02	T.						.01	.22	.63	.94	.21		T.		.15	.01	.10	T.		.14			.03	2 78
Woodlands[1]	do					.03	.20	.05								.30		.60	1.05	.04					.02	.12			.34			.05	2.80
Southern Division																																	
Arbovale[1]	Greenbrier		.10			T.	.50	.05	T.	.05				.40		T.	T.	.13	.26		T.	T.	T.	.04		T.		.45					1.98
Bancroft	Gr. Kanawha				.06	.30	.05	.04					.07	.07		.09	.19	.73	.05	.06	T.		.15		.05			.44				.22	2 57
Beckley	New		.26		.04	.12	.38	.06	.07	.17			T	.14			.11	.12	.32		T.	T.	.10	.13	.06			.35	.11				2.54
Bluefield	do		.26				.50					.35		.32	.30	.10		.07	.03					.23	.05			.19	.02				2.42
Camden-on-Gauley[1]	Gauley		.10			.06	.34	.08	.08	.02				.05	.32	.09	.29	.43	.34	.09		.08		.29		.04	.01		.38				3.09
Charleston	Gr. Kanawha				.02	.08	.32	.06	.03				.02	.10	.25	.01		.14	.50	.04	T.								.33				1.90
Charleston No. 2	do		.06			.04	.38	.06	.03					.10	.25	.01	.03	.14	.50	.04		.05		.12	T.	T.			.33				2.14
Clay[1]	Elk		.09			.31	.42	.09	.08					.05	.42	.16	.09	.39	.46	.14		.06		.26					.38			.03	3.43
Dam 6, G. K.[1]	Gr. Kanawha			.03		.05	.25	.06	.04					.02	.32	T.	.01	.16	.58	.04		.06		.14		.02			.35				2.13
Gary[1]	Big Sandy		.24			.04	.20							.28	.68	.18	.01	.01	.07	.05		T.		.11	.03				.17				2.07
Greenbottom	Ohio				.02	.23	.05	.03	.20					.19	.15		.14	.16	.19	T.		T.		.10		.02			.60		T.		2.08
Hinton[1]	New		.27			T.	.26	.01	T.	T.				.07	.30	.04	T.	.01	.08	T.				.05	.05				.32				1.46
Hogsett	Ohio					.02	.13	T.								T.	.10	.30	.60	.02		.01		.11		.01			.48			T.	1.78
Huntington	do				.02	.24	.12		.02				.06	.35	.03	T.	.22	.24	.36	T.	T.	T.	.06	.03	T.	.05		.51	T		T.	T.	2.31
Kanawha Falls	Gr. Kanawha		.10			.05	.20	.20	T.	T.				.10	.35	T.		.10	.20	.31				.10	T.				.20				1.91
Kayford[1]	New		.17			1.10	.28	.10	.03	.03				.14	.20	.04	T.	.12	.48	.09		.01		.13					.31	.01			3.24
Lewisburg	Greenbrier		.10			.17	.13		T.					.38		.04	T.	.08						.01				.44	.12				1.47
Logan[1]	Guyandot		.16			.07	.40	.04	.05	T.				.05	.32	.08	T.	.08	.92	.01		T.		.10					.18				2.46
London	Gr. Kanawha		.50			.06	.31	.03	.01					.05	.34			.21	.91	.20				.15		.02			.34				3.13
Madison[1]	Coal						.43	.05	.07					.22	.11	.05		.11	.63									.20	.26				2.13
Marlinton	Greenbrier		.10			.13	.20		T.	.05				.28	.08	.10	.09	.13	.13				.03	.03		.07		.41	.17				2.00
Point Pleasant[1]	Ohio					.11	.22	.06	.04	T.				.05	.27		.14	.23	.92	.08		.03		.13		.02			.65			.03	2.98
Rainelle	Gauley					.12	.20	.07	.02	.06				.42	.05	.04	.07	.05	.30		T.	T.	.04	.13	T.	.02		.36	.09			.01	2.05
Ravenswood (Dam 22	Ohio					.09	.26	T.	.05					.05	.35	.05	.13	.23	.70	.10							.05						2.06
Richwood[1]	Gauley	.27			.12	.36	.08	.25	.07				.07	.35	.05	.20	.40	.08	.26		.07	.02	.27	.06	.02			.40				.08	3.48
Robertsburg[1]	Gr. Kanawha					.09	.15	.03	.01					.11	.15		.14	.20	.46	T.		.03		.11		T.			.37	T.		T.	1.85
Ryan	do				.01	.25	.16	.05	.10					.37		.02	.33	.30	.60	.13	.01	.02	.12	.03				.38	.03				2.91
Sharples[1]	Coal						.37		.10					T.	T.	T.	.52											.21					1.20
Spencer[1]	Litl.Kanawha					.07	T.		.10							T.	.60	.27	.75	.04		T.		.27		.03		.04	.39	.02		.29	2.88
Summersville[1]	Gauley						.23	.36	.05	.07				.36	.10	.05	.15		.36	.20			.20	.12	.08				.28				2.61
Sutton	Elk					.20	.80		.20				T.	.50	T.	T.	.90	.15	1.45	T.	.10			.20	T.	.10		.55	T.				5.15
Thornwood[1]	Greenbrier					.20	.40	.80	.30	.14				.23				.24			.11	.01						.72					3.15
Union	New								.38							.40		.05	.02									.14	.26				1.25
Wayne[1]	Twelvepole					.10	.35	.03	.03					.28	.19	.08	.12	.73		.05		.06		.13					.30				2.45
White Sulp'r Spgs.[1]	Greenbrier																											.35					.35
Williamson[1]	Big Sandy		.16			.10	.43	.06	.03	.01				.20	.56	.17	T.	.09	.75	.06				.09					.28				2.99

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. [2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Supplemental Rainfall Data—Harrison County: Total precipitation: Elk, 1.90 inches. Mt. Clare, 2.57 inches. Salem, 2.96 inches. Shinnston, 2.69 inches.

Daily Temperatures for December 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	40	55	43	40	40	35	20	26	27	21	20	25	20	37	42	50	56	57	30	28	32	40	44	44	45	40	35	40	51	51	56	38.4
	Minimum	13	13	7	10	30	15	5	8	4	5	6	−9	−2	12	11	40	46	30	28	13	20	28	31	24	30	28	15	28	23	24	34	18.4
Brandywine	Maximum	45	42	45	40	41	38	25	35	30	29	28	30	30	32	35	62	62	60	52	50	52	52	54	50	52	48	40	52	54	60	57	44.7
	Minimum	20	26	12	10	31	22	10	8	11	5	3	2	17	16	15	30	44	52	26	16	20	35	23	36	41	37	21	34	22	29	34	22.8
Kearneysville	Maximum	43	32	34	40	40	36	28	33	32	26	25	30	27	30	31	50	49	41	42	43	39	49	49	32	49	50	42	40	44	50	50	38.9
	Minimum	29	26	21	28	34	17	18	14	14	16	16	10	12	12	13	26	35	36	32	30	31	31	31	24	29	37	20	32	29	27	37	24.4
Martinsburg[1]	Maximum	41	41	41	41	41	33	30	33	33	32	32	30	28	28	33	45	45	63	48	44	44	52	44	52	51	42	45	42	46	60	50	41.7
	Minimum	30	27	24	19	20	20	19	15	16	16	18	16	14	15	15	24	31	38	34	34	33	31	35	28	28	24	24	30	30	26	30	24.8
McNeill	Maximum	45	40	42	39	38	36	30	40	37	32	33	31	28	36	32	60	56	57	59	57	42	56	51	40	52	52	48	49	52	61	55	44.7
	Minimum	15	21	8	10	31	26	13	3	3	2	0	−2	7	13	11	26	43	18	20	19	20	22	36	21	31	36	13	31	20	20	38	18.6
Piedmont	Maximum	43	40	41	36	34	35	26	34	27	27	26	28	26	34	26	53	52	57	38	41	36	49	41	38	51	45	33	46	47	55	50	39.2
	Minimum	22	22	16	18	30	21	15	17	12	15	7	3	14	16	17	24	44	42	33	31	29	30	38	25	33	32	22	32	29	27	41	24.4
Romney	Maximum	47	38	34	39	37	35	30	34	33	24	25	29	27	27	29	51	51	49	46	40	41	47	49	37	51	57	48	46	45	52	53	40.4
	Minimum	33	23	11	16	31	22	17	11	12	17	12	5	9	15	12	26	41	41	28	31	31	32	34	25	34	40	19	32	27	23	42	24.3
Wardensville	Maximum	45	40	43	44	..	29	28	38	32	31	33	29	28	38	40	63	66	62	..	45	43	57	..	..	55	49	41	50	50	63	54	44.3
	Minimum	19	24	13	13	..	20	15	8	7	4	4	1	8	14	15	23	37	41	..	25	31	27	40	25	31	..	16	24	22	22	37	20.2
Northern Division																																	
Bens Run	Maximum	36	40	42	42	38	32	23	31	23	25	25	25	26	34	34	49	55	56	40	35	40	45	42	49	49	47	38	46	49	46	52	39.2
	Minimum	21	20	19	22	31	20	15	16	17	11	6	2	15	21	26	33	42	38	32	26	30	37	31	30	41	31	27	38	31	29	40	25.7
Buckhannon	Maximum	38	38	40	44	45	32	20	30	30	25	25	25	28	35	42	52	59	60	40	37	38	45	45	51	50	45	43	47	49	56	59	41.1
	Minimum	12	32	18	18	32	15	9	10	7	8	2	−2	15	17	25	38	48	38	30	27	28	32	28	33	43	27	28	38	33	32	43	24.6
Cairo	Maximum	40	41	43	47	40	33	22	31	32	27	28	26	27	36	36	48	57	58	40	35	36	50	47	51	52	46	38	46	46	53	55	40.9
	Minimum	16	17	12	18	31	21	15	15	−4	−1	−1	−4	15	22	18	12	41	38	32	22	30	28	22	26	42	28	23	37	30	25	40	21.5
Clarksburg[1]	Maximum	37	39	40	44	40	26	25	33	26	25	24	25	25	32	51	58	59	55	34	35	40	46	41	53	49	45	48	48	50	53	58	40.8
	Minimum	16	18	13	13	23	23	13	11	4	9	4	−4	5	17	22	24	46	50	33	21	22	29	31	27	34	30	22	31	28	21	38	21.7
Creston	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	10	18	11	16	29	18	12	12	−3	0	0	−4	12	15	20	34	42	37	31	24	29	30	32	26	44	28	22	35	29	25	38	21.7
Elkins	Maximum	37	37	42	43	37	27	18	31	23	23	23	25	24	38	53	58	60	60	36	37	37	41	43	47	45	41	42	45	55	53	59	40.1
	Minimum	19	17	13	17	27	11	10	14	9	11	3	−5	16	17	28	48	54	35	28	23	26	35	33	42	40	24	23	37	32	32	40	24.6
Fairmont	Maximum	41	41	43	43	39	37	25	30	27	29	28	26	24	36	49	55	55	55	54	34	39	45	41	50	50	47	46	45	51	54	56	41.8
	Minimum	19	19	16	26	24	23	14	14	7	10	8	−1	0	15	18	23	45	50	34	26	26	28	33	29	38	31	25	28	29	29	40	23.1
Glenville	Maximum	40	43	45	41	47	35	23	32	40	30	43	27	26	35	37	51	55	55	41	35	40	42	49	53	51	52	50	54	43	53	55	42.6
	Minimum	17	20	14	18	33	17	13	10	5	1	0	−2	15	14	28	34	44	38	32	26	29	32	34	28	45	29	30	18	30	26	28	22.8
Grafton	Maximum	41	42	45	46	45	40	24	31	32	26	26	27	26	37	35	52	61	61	40	35	38	45	47	53	53	48	48	47	52	56	57	42.6
	Minimum	17	19	13	18	36	22	12	11	7	11	0	−3	9	20	20	33	46	36	31	24	28	34	33	28	44	32	23	36	30	26	39	23.8
Lost Creek	Maximum	39	38	42	42	42	32	20	30	30	22	23	23	22	32	33	50	53	54	39	33	38	40	52	50	50	48	45	47	52	52	57	39.8
	Minimum	13	17	11	15	31	19	12	10	5	8	5	−8	14	18	23	32	50	39	31	18	27	34	33	25	44	26	20	36	27	25	40	22.6
Mannington	Maximum	36	37	38	43	42	34	21	30	30	23	23	24	24	31	33	51	56	58	40	34	36	47	41	50	49	46	36	45	46	51	54	39.0
	Minimum	15	17	12	15	34	21	15	11	−3	12	−3	−6	2	20	18	33	42	38	32	24	28	34	31	21	41	31	21	35	26	25	39	22.2
Morgantown	Maximum	36	35	38	37	36	36	20	25	28	20	18	18	21	28	38	43	45	46	40	40	36	38	40	38	40	38	40	42	38	40	41	34.8
	Minimum	16	14	18	28	33	19	12	15	8	10	8	0	4	14	21	32	38	35	28	30	28	36	36	34	34	29	34	35	28	33	34	24.0
New Cumberland	Maximum	36	37	40	42	39	33	23	30	22	24	21	29	28	30	34	48	44	54	53	36	37	51	41	45	46	44	38	41	46	44	51	38.3
	Minimum	17	14	15	15	31	19	17	17	8	11	10	12	3	13	16	32	26	35	31	31	28	35	28	24	38	31	25	35	29	31	35	23.1
New Martinsville	Maximum	37	37	45	41	40	31	20	30	27	30	30	25	24	25	34	45	51	50	38	38	33	40	45	50	50	47	38	44	50	49	52	38.6
	Minimum	19	20	15	20	31	20	8	9	0	4	−2	9	0	12	16	26	33	28	21	21	22	23	23	21	36	23	18	29	19	31	31	19.2
Parkersburg	Maximum	36	39	43	44	39	26	23	31	24	26	25	24	25	31	53	58	58	56	36	35	43	47	41	48	51	48	49	40	49	48	55	40.7
	Minimum	21	22	18	24	26	16	16	13	10	14	10	2	20	20	27	45	48	34	32	26	31	38	32	32	39	29	29	35	35	36	45	26.6
Parsons	Maximum	43	43	37	43	..	..	..	..	..	27	28	26	23	43	38	53	60	55	56	50	42	39	47	50	43	48	49	50	60	58	52	41.7
	Minimum	20	23	13	10	..	..	..	..	..	7	6	−4	10	16	20	34	55	37	32	22	26	29	31	29	40	30	31	27	27	37	39	24.9
Pickens	Maximum	40	34	46	41	36	31	26	26	26	19	20	23	26	37	44	52	66	62	50	47	32	35	45	47	46	40	39	43	53	48	55	39.9
	Minimum	16	15	11	14	26	7	−3	6	3	−3	−3	−5	−5	21	26	40	38	34	25	22	20	26	26	42	30	24	22	35	25	33	37	19.5
Wellsburg	Maximum	35	39	41	43	41	32	22	30	22	21	21	24	25	28	32	50	43	54	38	35	38	50	40	46	46	45	40	42	45	43	51	37.5
	Minimum	13	11	10	14	30	21	11	17	8	10	−1	4	−2	12	13	31	37	35	30	30	28	35	28	20	38	29	22	34	26	26	35	21.1
Weston	Maximum	26	38	42	45	42	36	21	31	30	27	23	24	24	32	36	52	60	44	42	44	42	52	50	65	52	49	52	51	52	54	59	41.7
	Minimum	18	21	15	19	33	21	13	12	6	12	2	−2	18	18	26	35	39	39	30	35	22	35	34	31	26	37	30	32	40	38	42	25.0
Wheeling	Maximum	34	37	38	41	38	37	25	24	22	22	21	22	25	27	42	45	44	42	36	33	39	44	40	47	46	45	42	42	46	44	51	36.8
	Minimum	21	17	16	16	25	22	17	19	10	10	12	6	5	9	18	25	38	36	32	32	30	31	30	28	36	31	25	27	29	29	37	23.2
Southern Division																																	
Beckley	Maximum	45	35	45	42	39	29	20	30	28	22	27	27	30	33	46	53	56	58	36	42	39	42	43	41	46	47	40	50	58	52	59	40.7
	Minimum	19	23	14	17	17	9	3	9	4	−2	−3	−4	18	23	29	41	45	33	29	21	25	24	33	35	39	32	27	34	29	30	39	22.4
Bluefield	Maximum	49	41	44	43	39	26	20	32	30	25	26	..	30	31	52	53	57	57	45	..	38	41	40	44	42	45	48	56	61	55	55	42.3
	Minimum	22	25	11	21	19	12	4	11	10	6	6	8	18	25	29	46	18	44	20	26	26	30	35	36	38	31	31	37	29	33	34	21.9
Charleston	Maximum	42	42	42	45	44	25	25	37	24	25	25	28	28	37	55	48	58	56	54	45	45	49	50	45	50	55	48	53	55	55	64	43.7
	Minimum	24	24	20	20	20	23	14	18	12	12	16	10	12	20	24	33	41	48	34	33	32	33	35	40	26	40	32	38	32	32	33	27.2
Gary[1]	Maximum	47	40	47	43	38	21	26	26	31	29	29	30	34	36	54	58	64	58	40	45	43	45	46	53	53	53	46	56	60	58	59	44.1
	Minimum	22	22	13	13	24	20	9	11	10	6	4	4	17	29	34	36	43	43	38	29	29	24	26	39	40	34	32	34	34	27	27	24.9
Hinton[1]	Maximum	53	44	49	39	38	25	28	39	34	31	34	30	30	33	37	45	58	58	41	45	45	48	46	46	51	51	41	55	51	59	56	43.2
	Minimum	19	25	16	15	21	23	11	13	12	7	7	7	11	25	27	31	34	37	37	25	25	21	22	38	39	36	28	32	31	27	27	23.5
Huntington	Maximum	42	43	47	45	41	32	26	32	27	29	32	26	25	29	41	54	58	56	49	36	45	48	44	53	53	51	44	48	54	49	62	42.3
	Minimum	20	24	18	25	32	18	14	22	12	15	15	8	22	24	29	38	48	40	34	30	32	38	38	37	46	33	31	43	38	33	45	29.1
Lewisburg	Maximum	45	40	38	37	37	34	20	32	30	23	25	25	27	30	43	51	54	56	40	42	39	45	43	42	48	47	40	45	41	50	53	39.4
	Minimum	29	29	20	21	33	15	9	14	11	10	10	11	21	23	29	39	42	39	34	27	30	29	39	36	38	37	28	33	28	25	42	26.8
Madison	Maximum	46	43	42	40	42	38	22	29	36	27	27	30	30	29	33	47	58	62	53	37	45	48	48	50	51	55	55	51	50	53	54	42.9
	Minimum	23	24	15	16	27	20	13	16	6	5	5	5	15	24	26	32	42	45	35	28	30	29	35	40	36	38	30	39	39	29	30	25.7
Marlinton	Maximum	50	41	44	37	38	38	21	32	30	22	28	27	27	33	41	50	51	57	44	50	51	50	44	43	47	46	35	47	51	54	53	41.5
	Minimum	20	25	13	15	31	12	10	10	8	2	−1	−2	21	22	29	35	35	35	28	18	28	21	36	35	34	34	22	30	22	20	36	22.1
Point Pleasant	Maximum	40	43	48	46	41	32	26	35	31	30	33	28	26	34	43	51	56	52	40	38	45	49	45	51	54	51	47	49	54	50	59	42.9
	Minimum	18	21	15	23	32	20	15	21	6	11	10	3	18	22	29	36	45	38	36	32	31	37	33	32	45	30	27	39	35	29	43	26.8
Rainelle	Maximum	45	43	55	42	38	36	21	32	33	26	26	27	26	31	39	44	55	59	43	40	36	43	43	45	45	43	37	45	50	51	58	40.5
	Minimum	19	24	9	14	30	12	6	4	−4	−8	−6	−6	18	23	29	33	36	34	24	23	26	19	34	34	37	29	23	32	23	21	40	20.5
Ravenswood	Maximum	42	40	39	40	41	33	22	28	29	26	25	25	26	32	40	48	55	53	42	43	43	48	49	49	47	45	41	41	45	45	59	40.0
	Minimum	19	22	15	21	31	20	16	20	3	10	5	0	19	21	29	31	44	37	32	31	31	34	34	32	44	28	26	35	35	30	42	25.7
Richwood	Maximum	45	38	43	43	41	28	22	23	20	18	20	24	26	34	41	40	47	45	40	38	32	38	40	42	41	40	38	39	34	42	55	36.0
	Minimum	25	13	12	20	21	7	5	−1	−3	−3	−3	−3	19	21	24	36	38	33	28	26	20	22	23	23	23	26	24	30	29	30	39	19.5
Robertsburg[1]	Maximum	38	41	46	40	37	24	28	30	25	24	32	22	27	33	46	47	51	41	36	37	37	48	49	50	51	47	49	46	41	51	61	39.5
	Minimum	18	18	14	15	30	21	15	18	8	9	4	2	3	21	24	31	43	37	34	29	31	32	36	31	40	30	26	37	36	30	36	21.4
Ryan	Maximum	40	40	42	45	37	31	23	32	32	27	29	24	24	31	41	44	58	58	42	36	44	47	47	53	51	52	41	45	50	50	60	41.2
	Minimum	14	19	12	16	31	17	12	13	−3	−2	−1	−2	16	22	29	32	42	38	31	26	29	29	36	30	44	28	22	34	39	24	42	23.2
Spencer[1]	Maximum	41	40	44	47	38	23	49	32	25	18	29	25	30	33	53	59	59	46	34	38	43	48	49	59	50	49	49	43	52	52	60	42.5
	Minimum	16	22	14	15	32	22	13	14	5	7	7	−1	16	21	30	34	49	46	33	29	30	38	37	45	45	31	29	35	34	30	42	26.5
Sutton	Maximum	43	38	41	43	43	36	23	34	34	28	27	27	26	33	41	47	60	60	40	36	41	47	47	53	53	49	44	45	56	56	62	42.4
	Minimum	17	21	12	17	35	20	11	10	4	3	−1	−2	14	21	28	34	44	33	33	31	29	31	37	32	40	35	25	34	35	27	36	24.1
Union	Maximum	48	48	44	45	37	37	20	31	31	27	27	30	26	27	37	52	54	56	56	42	39	43	41	41	42	47	47	49	49	53	53	41.3
	Minimum	18	29	12	16	21	17	6	12	9	8	−1	3	20	22	27	33	39	43	42	22	28	24	37	36	37	41	26	33	24	20	39	24.0
White Sulphur Spgs.	Maximum	59	42	41	40	40	24	28	37	22	26	22	26	30	36	38	56	51	60	55	42	37	42	46	48	45	52	33	52	42	54	48	41.1
	Minimum	20	20	9	15	32	13	8	8	6	5	−2	−2	19	21	28	32	36	37	34	25	21	20	21	35	34	22	21	28	22	21	40	21.1
Williamson[1]	Maximum	39	42	46	41	38	23	28	37	29	30	31	32	35	33	39	48	58	54	40	42	46	45	48	54	56	55	49	52	60	57	61	43.5
	Minimum	25	25	21	22	29	21	13	15	11	11	9	9	19	28	29	32	38	41	38	29	30	26	30	39	45	39	34	42	41	32	32	27.6

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. XLV   Parkersburg, W. Va., Year 1937   No. 13

GENERAL SUMMARY

Compared to previous State averages the year 1937 was exactly normal in temperature. The winter months were above the average, being exceptionally warm for the season. Spring months were cool, while the summer averaged above the normal, and the remainder of the year was below the average.

Precipitation was considerably above the normal, and was heavy during the winter months, especially during January. October was an exceptionally wet month. The snowfall was below the normal.

During the period of growth the rainfall was ample. The cool spring months were unfavorable for germination and growth, while during June and July conditions were favorable for all crops. The season of growth extended from April 12th, generally, to the middle of October, being somewhat longer than usual.

Due to almost continuous rain from January 10th to the 25th, and at times unusually heavy, a serious and destructive flood occurred along the Ohio river, the greatest of record below Point Pleasant and the second greatest of record from Bens Run to Point Pleasant.

Cloudiness was considerably in excess of average. The sunshine at Parkersburg and Elkins averaged 51 and 49 per cent, respectively, or slightly above normal.

The wind movement at Parkersburg was 55,045 miles, and at Elkins 53,831 miles.—*H. C. D.*

THE WEATHER BY MONTHS

JANUARY.—Wettest January on record. Practically continuous rains, some of the time unusually heavy, during the period 10th to 25th caused a serious and destructive flood on the Ohio, the greatest of record below Point Pleasant and the second greatest of record from Bens Run to Point Pleasant. Snowfall was unusually light. The weather was mild; mean temperature was second highest of record for January.

FEBRUARY.—Unusually mild weather continued, with precipitation somewhat above normal and mostly in the form of rain. Fruit buds were beginning to swell at the close of the month. The Ohio River returned to normal stage at close of opening week.

MARCH.—Cold and dry. Cold at beginning of month held back fruit buds, but near close of the month they developed quite rapidly. It was the fifth driest March of record. There was unusualy heavy snowfall in the central or mountain Counties.

APRIL.—About normal in temperature and somewhat wetter than usual. First half was cold; second half warm. Snowfall was unimportant. Farm work retarded by frequent rains. Ohio River slightly above flood stage during closing days of month.

MAY.—Temperature and precipitation slightly below normal. Frost formed over interior during middle portion of month, but damage was light and limited to mountain regions. Vegetation had rapid growth during second half of month.

JUNE.—Moderately warm and considerable wetter than usual. Torrential rain on the 21st-22d caused a flood in the Little Kanawha at Glenville, the third highest of record at that station. Four lives were lost by drowning, while much property damage resulted. All crops were in excellent condition.

JULY.—Comparatively cool. Rainfall was somewhat deficient and was rather spotty, causing drought conditions in scattered localities. Crops continued good, except in the northeastern panhandle and locally in the southern division. Heavy rains on the 10th caused a flood in the Middle and Little Wheeling Creeks, resulting in considerable property damage.

AUGUST.—Decidedly warm; third warmest August of record. Rainfall was well above normal, except in the northern panhandle and southern Ohio River sections. Crops were generally good, although excessive rains brought some rot to potatoes in northeastern panhandle area and delayed farm work.

SEPTEMBER.—Considerably cooler and slightly drier than average. Heavy to killing frosts occurred in the northern half of the State, except along the Ohio River, on the 18th. Harvesting was about completed.

OCTOBER.—Unusually heavy precipitation. Snow was quite general and heavy in the mountain districts on the 22d-24th. Heavy precipitation caused flood in the Potomac, Monongahela, Little Kanawha and Great Kanawha Rivers during closing days of month, but without material damage. Temperatures were low, and killing frosts occurred over the southern division on the 15th. Farm work was well advanced.

NOVEMBER.—Dry, with temperature slightly below normal. Precipitation was about one-half of the normal; snowfall, however, was almost twice the normal, with greatest amount, 23 inches at Pickens. Winter grains were well protected by the snow cover during the cold periods. High winds on 28th caused no material damage.

DECEMBER.—Generally cold and dry. First half of month was coldest of record since 1917, with daily deficiency ranging from 13 to 20 degrees. During this period the Ohio River and tributaries were frozen to a depth of two inches. Second half was continuously somewhat above normal. Precipitation was deficient in most sections, but moderately heavy rains on the 16th to 18th caused slight floods in the Ohio as far south as the confluence with the Muskingum. Snowfall was slightly above normal, monthly totals being as high as 19 inches in the mountains. Winter grains continued amply protected by snow cover during the extremely cold period.

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	......	.....	.....	.....	....
1892	52.3	99	−12	32.70	41.43	37.06	38.33	......	.....	.....	.....	....
1893	52.0	99	−25	36.26	39.68	41.40	39.82	......	116	.....	.....	....
1894	53.5	103	−29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	......	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	......	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28 2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
Period	52.9	112	−37	37.18	45.17	42.95	43.07	34.5	122	147	93	125

Climatological Data for the Year 1937

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	35	48.1	90	Aug. 18†	−9	Dec. 12	35	53.27	11.14	Oct.	0.65	Sept.	41.0	136	185	50	130	w.
Brandywine	Pendleton	1,586	22	52.0	95	Aug. 17	2	Dec. 12	22	37.00	7.65	Oct.	.85	Mar.	19.0	91	211	26	128	n.
Circleville	Pendleton	4,550	....	....	....	....	....	....	6	53.45	9.65	Oct.	1.65	Nov.	7.0	158	....	....	....	....
Harpers Ferry	Jefferson	244	....	....	....	....	....	....	48	53.71	11.27	Aug.	.65	Dec.	15.2	134	....	....	....	....
Kearneysville	Jefferson	548	7	53.6	96	June 1†	10	Dec. 12	7	46.30	8.22	Aug.	.55	Dec.	14.0	103	147	122	96	s.
Martinsburg	Berkeley	435	45	54.5	101	June 1†	14	Dec. 13	47	47.06	8.35	Oct.	.71	Dec.	18.2	128	220	101	44	w.
McNeill	Hardy	800	5	52.0	99	Aug. 18	−3	Feb. 17	5	43.98	8.61	Oct.	.74	Nov.	25.5	109	120	112	133	w.
Piedmont	Mineral	1,053	22	51.7	96	Aug. 4†	3	Dec. 12	22	45.26	8.72	Oct.	.45	Sept.	28.0	96	121	128	116	w.
Romney	Hampshire	824	40	52.9	98	Sept. 3	5	Dec. 12	37	55.20	11.16	Aug.	1.55	Mar.	16.8	141	127	165	73	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	18	52.34	10.02	Oct.	1.13	Nov.	66.5	121	60	74	231	w.
Wardensville	Hardy	1,200	18	52.3	99	Aug. 17	1	Dec. 12	20	46.87	14.44	Aug.	.98	Dec.	24.9	94	....	....	....	....
Northern Division																				
Aberdeen	Upshur	1,060	....	....	....	....	....	....	14	55.50	9.27	Jan.	1.68	Nov.	36.3	163	69	144	152	w.
Aluna (near)	Tyler	800	....	....	....	....	....	....	11	48.83	8.91	Jan.	1.47	Mar.	22.9	157	122	78	165	....
Benson	Harrison	1,080	15	51.8	95	Aug. 20	−9	Dec. 12	15	57.76	10.06	Jan.	1.78	Nov.	42.0	159	135	128	102	....
Bens Run	Tyler	652	37	54.6	97	Aug. 19	2	Dec. 12	37	56.05	10.10	Jan.	1.54	Mar.	18.9	146	208	86	71	....
Brownsville	Lewis	1,032	14	....	96	Aug. 21	4	Dec. 12	15	57.34	9.15	Jan.	1.96	Nov.	23.0	164	81	215	69	....
Buckhannon	Upshur	1,411	45	....	90	Aug. 19†	−2	Dec. 12	48	54.50	8.86	Jan.	2.05	Nov.	37.5	141	164	88	113	....
Cairo	Ritchie	680	35	53.6	....	....	−4	Dec. 9†	35	52.43	10.80	Jan.	1.23	Nov.	20.0	....	....	....	....	....
Clarksburg	Harrison	1,015	15	51.7	95	Aug. 20	−4	Dec. 12	15	46.09	8.68	Jan.	1.32	Nov.	29.1	160	105	119	141	w.
Crawford	Lewis	1,107	....	....	....	....	....	....	15	55.09	8.57	Oct.	1.65	Nov.	30.1	164	127	116	122	sw.
Creston	Wirt	640	38	....	98	Aug. 19	−4	Dec. 12	38	50.93	9.97	Jan.	1.15	Nov.	24.3	157	168	50	147	....
Dam 10 Mon. R.	Monongalia	826	....	....	....	....	....	....	16	47.14	8.52	Jan.	1.67	Nov.	19.0	180	....	....	....	....
Dam 13 O. R.	Ohio	655	....	....	....	....	....	....	22	48.62	10.95	Jan.	1.41	Nov.	18.9	155	....	....	....	....
Dam 15 Mon. R.	Marion	882	....	....	....	....	....	....	16	50.17	8.82	Jan.	1.50	Nov.	16.7	167	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	21	44.40	9.79	Jan.	1.03	Nov.	17.5	149	....	....	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	21	40.70	8.87	Jan.	.80	Nov.	13.0	141	....	....	....	....
Davis	Tucker	3,093	....	....	....	....	....	....	28	60.12	10.98	Oct.	1.40	Nov.	137.8	136	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	28	48.48	10.99	Jan.	1.34	Nov.	....	127	....	....	....	....
Elkins	Randolph	1,927	39	50.4	90	Aug. 20	−5	Dec. 12	39	50.56	8.31	Oct.	1.02	Dec.	38.5	192	60	127	178	w.
Fairmont	Marion	883	32	53.5	98	Aug. 19	−1	Dec. 12	46	50.43	8.00	Jan.	1.52	Nov.	45.5	172	145	75	145	w.
Glenville	Gilmer	738	45	54.6	97	Aug. 4†	−2	Dec. 12	51	61.27	10.62	Jan.	1.66	Nov.	18.9	156	155	57	153	w.
Grafton	Taylor	1,000	44	54.1	98	July 9†	−3	Dec. 12	46	53.58	9.53	Jan.	1.40	Nov.	15.5	155	134	118	113	....
Hastings	Wetzel	809	3	....	....	....	....	....	3	54.97	10.29	Jan.	1.99	Nov.	30.4	160	121	103	141	w.
Horner	Lewis	1,044	....	....	....	....	....	....	15	56.58	8.95	Jan.	1.84	Mar.	....	128	....	....	....	....
Jane Lew	Lewis	1,020	15	....	....	....	....	....	15	53.41	10.19	Jan.	1.37	Nov.	....	136	....	....	....	....
Lost Creek	Harrison	1,026	42	52.0	93	Aug. 5	−8	Dec. 12	42	50.65	9.72	Jan.	1.41	Nov.	31.4	148	131	80	154	w.
Mannington	Marion	985	37	51.2	90	Aug. 20	−6	Dec. 12	37	53.14	9.20	Jan.	1.99	Mar.	35.1	188	121	89	155	w.
Morgantown	Monongalia	1,250	45	51.8	92	July 10†	0	Dec. 12	64	47.75	8.92	Jan.	1.70	Mar.†	35.5	....	....	....	....	....
New Cumberland	Hancock	671	41	52.3	98	July 9	3	Dec. 13	41	44.24	8.82	Jan.	1.27	Feb.	14.6	154	114	70	181	nw.
New Martinsville	Wetzel	634	45	53.8	98	Aug. 19	−2	Dec. 11	45	49.25	9.74	Jan.	1.51	Mar.	24.2	120	118	100	147	n.
Parkersburg	Wood	615	50	54.1	94	July 10†	2	Dec. 12	50	40.07	8.99	Jan.	1.16	Nov.	26.3	160	84	110	171	se.
Parsons	Tucker	1,649	39	52.4	95	Aug. 17	−4	Dec. 12	39	50.85	8.95	Oct.	.73	Nov.	58.5	123	132	89	144	....
Parsons No. 2	Tucker	1,649	....	....	....	....	....	....	12	52.07	7.77	Aug.	1.44	Nov.	50.7	117	189	73	103	....
Philippi	Barbour	1,550	....	....	....	....	....	....	45	55.92	9.63	Oct.	1.37	Nov.	17.0	148	....	....	....	....
Pickens	Randolph	2,697	48	48.7	89	July 17	−5	Dec. 12†	48	74.48	10.62	Oct.	3.10	Mar.	129.5	183	143	91	131	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	15	57.11	9.86	Oct.	1.53	Nov.	32.2	152	139	46	180	....
Saint Marys	Pleasants	577	....	....	....	....	....	....	30	52.43	9.99	Jan.	1.78	Mar.	....	140	....	....	....	....
Terra Alta	Preston	2,559	36	....	....	....	−4	Dec. 13	36	63.29	9.80	Jan.	1.18	Nov.	85.2	115	....	....	....	w.
Thomas	Tucker	2,950	....	....	....	....	....	....	9	63.59	10.90	Oct.	1.74	Nov.	70.5	152	....	....	....	....
Valley Chapel	Lewis	1,011	15	53.7	96	Sept. 4	−2	Dec. 12	15	51.76	10.27	Jan.	1.93	Nov.	35.0	155	135	107	123	w.
Vandalia	Lewis	1,120	....	....	....	....	....	....	15	54.01	8.89	Oct.	1.74	Nov.	14.0	114	....	....	....	....
Wellsburg (near)	Brooke	668	39	51.4	98	Sept. 2	−2	Dec. 13	46	45.77	9.09	Jan.	1.57	Feb.	14.5	120	158	89	118	w.
West Milford	Harrison	979	....	....	....	....	....	....	13	53.58	10.65	Jan.	1.67	Nov.	....	127	....	....	....	....
Weston	Lewis	1,026	45	54.8	97	Aug. 19	−2	Dec. 12	50	56.71	10.08	Jan.	1.81	Nov.	37.6	166	31	216	118	....
Wheeling (Dam 12)	Ohio	659	51	52.8	95	Aug. 20†	5	Dec. 13	54	51.03	9.67	Jan.	1.44	Mar.	28.5	145	97	88	180	sw.
Woodlands	Marshall	637	....	....	....	....	....	....	12	44.25	9.34	Jan.	1.36	Nov.	19.0	141	....	....	....	sw.
Southern Division																				
Arbovale	Pocahontas	2,734	....	....	....	....	....	....	13	40.25	8.00	Oct.	1.17	Mar.	41.0	138	142	101	122	w.
Bancroft	Putnam	574	37	55.6	98	July 10†	9	Dec. 12	37	44.73	9.61	Jan.	.80	Sept.	12.5	133	114	74	177	w.
Beckley	Raleigh	2,440	37	50.9	91	Aug. 19	−4	Dec. 12	41	53.59	8.07	Jan.	2.08	Nov.	47.1	194	91	144	130	....
Bluefield	Mercer	2,558	44	52.3	90	July 16	4	Dec. 7	46	48.07	8.06	Oct.	.94	May	38.5	150	....	....	....	....
Camden-on-Gauley	Webster	2,029	....	....	....	....	....	....	19	55.37	8.14	Jan.	1.87	Nov.	58.0	187	....	....	....	....
Charleston	Kanawha	600	34	54.5	95	July 9†	10	Dec. 12	34	45.86	8.46	Jan.	.85	Sept.	13.2	132	157	45	163	....
Charleston No. 2	Kanawha	600	....	....	....	....	....	....	1	49.94	9.07	Aug.	1.57	Sept.	....	158	....	....	....	....
Clay	Clay	706	....	....	....	....	....	....	34	51.27	8.15	Aug.	2.32	Mar†	27.9	179	....	....	....	....
Dam 6 G. K.	Kanawha	598	....	....	....	....	....	....	13	43.25	8.76	Aug.	.61	Nov.	3.0	154	....	....	....	....
Gary	McDowell	1,426	21	54.1	92	July 15	4	Dec. 11†	21	45.71	6.97	Aug.	.91	Sept	26.5	174	....	....	....	....
Hinton	Summers	1,431	41	54.2	97	July 10	7	Dec. 10†	49	41.81	7.25	Jan.	1.04	Nov.	13.0	154	....	....	....	....
Hogsett	Mason	564	....	....	....	....	....	....	22	40.63	9.77	Jan.	.84	Nov.	....	131	....	....	....	....
Huntington	Cabell	538	41	57.0	99	Aug. 17	8	Dec. 12	44	41.94	12.07	Jan.	1.15	Sept.	21.3	146	75	153	137	nw.
Kanawha Falls	Fayette	618	....	....	....	....	....	....	19	37.31	6.89	Jan.	.55	Sept.	....	124	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	22	51.87	7.91	Aug.	1.28	Sept.	43.7	182	....	....	....	....
Lewisburg	Greenbrier	2,250	36	51.8	87	July 16	9	Dec. 7	46	39.85	7.10	Jan.	1.17	Sept.	15.5	162	115	124	116	....
Logan	Logan	700	....	....	....	....	....	....	37	47.55	7.98	Jan.	1.27	Nov.	12.5	153	....	....	....	....
London	Kanawha	623	2	55.3	94	June 26†	7	Dec. 12†	2	47.56	7.53	Aug.	1.03	Sept.	17.0	166	....	....	....	se.
Madison	Boone	675	20	54.7	95	Aug. 4†	5	Dec. 10†	26	46.74	7.71	Jan.	1.11	Mar.	8.5	119	....	....	....	....
Marlinton	Pocahontas	2,125	42	51.1	91	May 31†	−2	Dec. 12	41	42.61	8.50	Oct.	1.15	Sept.	13.9	145	....	....	....	....
Point Pleasant	Mason	595	45	56.0	99	Aug. 20	3	Dec. 12	49	51.97	11.68	Jan.	1.14	Nov.	17.7	154	111	126	117	w.
Rainelle	Greenbrier	2,424	8	49.9	89	July 8†	−8	Dec. 10	8	52.77	8.02	Oct.	1.79	Nov.	64.0	222	133	37	195	....
Ravenswood (Dam 22)	Jackson	584	15	54.4	97	Sept. 2	0	Dec. 12	23	40.86	11.40	Jan.	.76	Nov.	11.5	130	126	42	197	nw
Richwood	Nicholas	2,193	8	51.5	90	Aug. 4†	−3	Dec. 9†	8	54.21	8.27	Oct.	2.12	Mar.	81.5	207	115	126	124	nw.
Robertsburg	Putnam	570	38	54.8	99	Aug. 16	2	Dec. 12	38	46.44	11.48	Jan.	.98	Nov.	17.5	153	....	....	....	....
Ryan	Roane	700	36	52.7	95	Aug. 4†	−3	Dec. 9	36	52.43	9.92	Jan.	1.20	Nov.	27.1	166	131	108	126	....
Sharples	Logan	889	....	....	....	....	....	....	17	46.63	7.55	Oct.	.50	May	....	....	....	....	....	....
Spencer	Roane	789	41	53.9	96	Aug. 19†	−1	Dec. 12	41	48.60	10.64	Jan.	.80	Sept.	26.0	158	96	126	143	....
Summersville	Nicholas	1,894	....	....	....	....	....	....	4	51.57	9.07	Oct.	1.84	Nov.	....	125	....	....	....	....
Sutton	Braxton	850	33	54.2	97	Aug. 19†	−2	Dec. 12	37	58.71	8.70	Aug.	1.90	Sept.	28.9	138	....	....	....	....
Thornwood	Pocahontas	2,723	....	....	....	....	....	....	3	43.16	9.94	Oct.	1.55	May	....	108	....	....	....	....
Union	Monroe	2,250	35	51.4	92	Aug. 21	−1	Mar. 1†	35	37.92	6.78	Oct.	.64	Sept.	....	118	....	....	....	....
Wayne	Wayne	598	....	....	....	....	....	....	12	43.87	11.31	Jan.	1.23	Nov.	11.3	128	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	26	50.7	93	Aug. 20†	−2	Dec. 11†	26	36.75	7.95	Jan.	.35	Dec	....	91	209	45	111	....
Williamson	Mingo	673	38	56.1	96	Aug. 4	9	Dec. 11†	38	44.86	7.98	Jan.	1.29	Sept.	14.2	163	132	119	114	nw
State averages and	extremes	....	....	**52.9**	**101**	**June 1†**	**−9**	**Dec. 12**	....	**49.76**	**14.44**	**Aug.**	**.35**	**Dec.**	**33.1**	**148**	**131**	**93**	**141**	**w.**

† Also on other dates

Monthly and Annual Mean Temperatures for the Year 1937, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	40.4	+11.6	30.5	+0.9	34.1	−3.6	45.0	+1.3	56.2	−0.2	65.7	+2.2	67.0	−0.6	68.2	+2.4	57.4	−3.5	47 0	−2.2	37.1	−2.0	28.4	+0.3	48.1	+0.6
Brandywine	42.0	+11.1	33.0	−1.7	38.8	−2.6	49.2	−.7	59.0	+.4	69.2	+2.2	70.6	−.7	71.9	+2.0	62.6	−2.1	52.3	−1.0	42.0	.0	33.8	−.4	52.0	+.5
Kearneysville	40.3	......	34.5	......	40.1	......	50.6	......	63.2	......	72.4	......	75.0	......	76.0	......	63.2	......	[a]52.8	......	43.6	......	31.6	......	53.6	......
Martinsburg	[a]39.4	+8.4	[a]33.9	+2.5	[a]39.4	−2.2	[a]52.2	+.6	[a]64.8	+2.0	[a]74.7	+3.7	[a]78.4	+2.7	[a]78.0	+5.0	[a]65.1	−1.8	51.8	−2.9	42.6	−.6	33.2	−.8	54.5	+1.4
McNeill	39.1	+8.1	34.4	+2.1	38.6	−2.4	49.5	−2.3	61.0	+.8	70.9	+3.1	72.4	+.8	73.4	+1.9	61.8	−4.0	50.4	−3.7	41.3	−.9	31.6	−1.0	52.0	−.2
Piedmont	38.2	+7.3	32.6	−1.2	38.4	−2.8	48.6	−1.8	60.7	+.7	70.2	+2.1	72.7	+.4	74.8	+4.3	61.4	−4.3	50.0	−3.4	41.5	−.7	31.8	−1.2	51.7	−.1
Romney	38.4	+6.9	*36.2	+2.0	40.0	−2.4	50.4	−1.3	62.0	−.9	71.7	+1.8	73.9	−1.0	75.4	+2.8	63.4	−3.4	50.2	−4.7	40.7	−2.4	32.4	−2.1	52.9	−.4
Upper Tract	[b]42.3	+9.6	[b]33.4	−.1	[c]39.0	−3.3	[a]49.0	−.4	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Wardensville	[e]40.7	+9.9	[a]32.8	−1.0	[a]39.2	−2.7	[c]50.2	+.6	[d]60.4	+1.0	70.4	+4.9	[a]72.1	+1.5	74.0	+4.5	[d]61.6	−2.6	[c]52.2	−.4	[a]41.8	−2.1	32.2	−1.5	52.3	+1.0
Northern Division																										
Benson	43.5	+9.4	33.9	+4.1	37.1	−3.2	50.9	−1.7	59.4	−1.4	69.4	+1.2	71.6	−.9	73.2	+2 5	61.6	−5.3	50.8	−2.1	39.4	−3.7	31.0	−5.0	51.8	−1.2
Bens Run	42.4	+9.5	36.1	+3.3	39.4	−4.1	53.4	+.6	63.4	+.4	73.4	+2.6	75.6	+.5	77.6	+4.0	66.6	−1.8	53.6	−3.0	41.3	−2.8	32.4	−2.4	54.6	+.3
Brownsville	[d]47.0	+12.4	......	......	......	......	......	......	62.2	+.6	72.1	+2.6	[f]72.7	−1.1	[e]76.0	+3.8	64.4	−3.2	......	......	44.6	.0	......	......	......	......
Buckhannon	44.8	+12.3	34.1	+1.0	37.2	−4.5	50.8	−.3	59.5	−1.6	69.4	+1.0	70.2	−1.6	72.5	+2.6	60.0	−4.5	......	......	......	......	32.8	−1.4	......	......
Cairo	42.8	+8.4	[d]37.5	+3.3	[d]39.3	−5.0	52.6	−1.4	*62.5	−.6	[a]72.4	+2.1	[g]72.2	−2.1	*75.4	+2.9	64.0	−4.1	[a]53.5	−2.3	[j]40.0	−3.7	31.2	−3.5	53.6	−.4
Clarksburg	41.6	+9.0	32.5	−2.1	36.0	−3.7	50.0	−1.2	60.8	+.5	70.4	+1.0	71.6	−2.2	74.2	+2.2	62.4	−5.1	50.8	−2.6	38.9	−3.9	31.2	−4.0	51.7	−1.0
Creston	45.8	+11.7	36.6	+1.9	40.2	−3.8	54.2	+.8	62.3	−.8	72.8	+2.1	73.4	−1.3	76.7	+3.6	67.2	−.6	......	......	......	......	......	......	......	......
Elkins	43.4	+13.0	31.6	.0	35.2	−4.8	48.7	−.1	58.4	−.8	67.6	+.7	69.0	−1.3	71.2	−2.1	60.2	−2.8	48.8	−3.5	37.9	−2.4	32.4	−.3	50.4	+.1
Fairmont	42.8	+10.6	34 2	+1.1	38.6	−2.9	51.4	−.4	62.6	+.5	72.0	+1.7	74.0	−.3	[d]76.3	+3.6	64.5	+.1	52.0	−3.1	41.2	−1.7	32.4	−1.2	53.5	+.4
Glenville	44.6	+10.8	36.0	+1.4	40.0	−4.7	53.8	−.1	62.8	−.8	73.3	+2.2	74.8	−.5	77.2	+3.3	65.2	−3.3	53.5	−2.7	41.2	−3.1	32.7	−3.2	54.6	.0
Grafton	44.4	+11.8	36.0	+3.4	39.0	−2.5	51.9	+.4	61.5	.0	71.2	+2.1	73.4	+.8	76.1	+4.7	65.2	−1.9	54.3	−.9	42.9	−.2	33.2	−1.0	54.1	+1.4
Janelew	45.2	+9.9	36.1	−2.0	39.5	−2.9	52.0	−.9	61.6	+1.6	71.6	+2.1	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Lost Creek	43.7	+10.8	34.6	+1.9	38.0	−4.4	50.8	+.2	59.9	−.5	69.8	+2.2	70.0	−2.2	72.6	+1.9	60.8	−4.6	52.1	−2.1	40.4	−2.2	31.2	−3.2	52.0	−.2
Mannington	42.3	+10.4	34.0	+1.2	37.1	−5.2	50.0	−1.1	58.8	−1.6	68.8	+1.0	70.2	−1.6	72.4	+2.2	60.3	−4.6	50.8	−2.8	39.6	−2.4	30.6	−3.0	51.2	−.7
Morgantown	44.2	+11.9	35.6	+2.8	37.4	−4.7	49.2	−2.5	*60.5	−1.6	70.6	+1.3	70.7	−2.8	72.0	.0	60.6	−6.9	50.2	−5.0	*41.4	−2.4	29.4	−5.0	51.8	−1.3
New Cumberland	38.9	+10.3	33.4	+4.3	36.2	−3.2	49.9	+.7	61.0	+.8	70.2	+2.0	73.3	+.3	75.0	+4.2	64.7	−.8	53.4	−.6	41.1	−.5	30.7	−1.0	52.3	+1.4
New Martinsville	43.5	+10.4	34.4	+.6	37.8	−5.5	51 8	−1.3	62.2	−.8	72.8	+1.7	74.7	−.5	77.3	+3.6	65.7	−2.8	54.0	−2.8	41.9	−2.9	28.9	−6.4	53.8	−.5
Parkersburg	41.9	+9.6	34.8	+.6	39.1	−3.7	53.4	.0	63.2	−.6	72.5	+1.1	74.5	−.9	76.8	+2.9	64.6	−2.7	53.5	−2.6	41.6	−2.2	33.6	−1.6	54.1	−.1
Parsons	43.4	+8.9	33.0	+1.3	37.1	−3.4	50.0	+.8	60.4	+1.6	69.9	+3.0	72.9	+2.1	73.2	+3.8	63.2	−.3	50.7	−.8	39.8	−1.4	34.8	−2.5	52.4	+1.5
Pickens	[a]43.9	+13.0	30.6	−1.3	[a]36.0	−3.2	47.4	−.7	57.0	−1.1	[a]64.4	−.5	66.0	−2.6	68.4	+1.9	59.0	−2.8	[a]45.9	−5.8	36.6	−3.8	29.7	−2.5	48.7	−.8
Terra Alta	[f]37.2	+9.3	[c]26.6	−2.2	......	...	[d]40.2	−6.6	[c]53.1	−4.3	[e]62.4	−2.3	......	......	......	......	54.8	−7.0	......	......	......	......	[f]26.9	−3.7	......	......
Valley Chapel	44.5	+9.4	35.3	−3.2	38.9	−3.6	53.0	−.1	61.8	+.2	72.0	+2.4	72.9	−1.1	74.9	+2.4	63.6	−4.4	53.2	−2.2	41.4	−3.6	32.6	−4.9	53.7	−.7
Wellsburg	38.8	+8.6	34.2	+4.2	35.2	−4.6	48.8	−.8	60.0	−.2	70.0	+2.0	72.4	+.2	74.6	+4.3	62.2	−2.2	51.3	−2.2	39.4	−2.4	29.3	−3.1	51.4	+.3
Weston	45.8	+11.7	36.4	+2.5	41.1	−2.7	53.6	+.8	63.9	+1.2	73.4	+3.0	74.2	−.2	76.0	+3.3	65.4	−2.3	53.6	−1.9	41.2	−2.8	33.4	−2.4	54.8	+.8
Wheeling (Dam 12)	41.4	+11.0	34.0	+1.9	37.3	−3.2	50.4	−1.2	61.8	.0	71.6	+1.0	74.3	−.5	76.0	+3.2	64.6	−2.8	52.6	−2.3	40.2	−2.0	30.0	−2.6	52.8	+.2
Southern Division																										
Bancroft	46.7	+12.4	38.0	+3.1	42.0	−1.8	55.6	+2.1	[c]65.4	+2.6	75.0	+4.3	76.4	+1.7	74.6	+1.5	65.8	−2.6	53.0	−3.6	42.0	−2.7	32.6	−2.8	55.6	+1.2
Beckley	43.1	+9.9	32.9	−1.8	37.9	−4.8	50.6	+.4	59.4	−.4	67.4	−2.5	68.2	−2.4	71.0	+1.1	60.6	−2.6	48.7	−4.2	39.8	−.5	31.6	+.3	50.9	−.7
Bluefield	[e]44.4	+9.5	[f]32.8	−2.0	[d]39.8	−4.8	[d]51.2	−2.4	[f]61.2	−.4	[f]68.6	−1.5	[e]69.6	−2.0	[e]72.1	+1.6	[f]62.4	−3.8	[e]50.0	−5.7	[e]41.6	−3.3	[b]33.6	−3.3	52.3	−1.5
Charleston	46.4	+8.5	37.2	−2.0	41.8	−5.6	55.8	−.5	62.6	−2.8	70.2	−2.9	[b]71.7	−5.2	73.6	−1.7	64.0	−6.9	53.4	−5.5	[a]41.8	−6.1	35.4	−4.2	54.5	−2.9
Gary	47.2	+12.1	36.0	−1.9	[a]39.6	−2.9	52.0	−1.4	62.6	+1.5	[a]72.2	+2.9	[a]72.6	−.5	75.0	+3.0	65.0	−3.5	[a]51.4	−4.2	40.9	−4.1	34 5	−3.3	54.1	−.2
Hinton	43.2	+8.7	36.6	+1.1	39.8	−4.3	52.0	−1.2	63.6	+.2	73.2	+2.7	74.0	−.4	76.0	+2.7	66.3	−1.7	51.2	−5.8	41.7	−2.4	33.4	−2.2	54.2	−.3
Huntington	46.5	+12.5	38.4	+3.7	43.0	−2.0	56.4	+1.8	65.6	+.9	75.0	+2.1	76.8	+.2	78.7	+3.9	67.8	−1.2	55.8	−.6	43.8	−.5	35.7	+.1	57.0	+1.8
Lewisburg	41.8	+9.4	33.8	+.5	39.3	−2.8	51.6	+1.1	61.3	+1.2	69.6	+2.4	69.4	−1.6	70.9	+1.5	60.9	−3.4	49.8	−3.4	40.2	−1.7	33.1	−.1	51.8	+.2
London	47.2	......	37.2	......	40.6	......	53 6	......	63.6	......	73.6	......	74.4	......	76.6	......	66.6	......	53.3	......	41.9	......	35.3	......	55.3	......
Madison	[b]45.4	+8.8	[c]35.1	+1.5	[f]40.0	−2.7	55.6	+1.3	61.1	−2.7	[f]73.2	+.9	[d]75.4	+.6	[c]76.9	+2.5	[c]66.2	−1.5	[c]51.9	−3.7	[h]41.2	−2.3	34.3	−.7	54.7	+.2
Marlinton	[e]43.4	+15.4	[a]32.9	−1.1	36.6	−1.3	49.4	+2.6	59.0	+2.0	[a]67.9	+3.6	[e]70.4	+2.8	[b]71.8	+5.6	[d]61.9	+.7	[b]48.6	−1.0	39.2	+1.6	31.8	+2.4	51.1	+3.0
Point Pleasant	[k]44.6	+10.6	[h]38.4	+5.0	41.8	−3.4	55.5	+.6	63.4	−1.3	73.8	+1.4	76.2	−.2	78.2	+3.5	66.4	+.5	55.8	−1.4	43.2	−2.1	34.8	−1.0	56.0	+.7
Rainelle	41.1	......	34.4	......	36.2	......	49.7	......	58.2	......	67.2	......	67.4	......	69.5	......	58.6	......	46.6	......	39.3	......	30.5	......	49.9	......
Ravenswood (Dam 22)	45.8	+10.4	37.9	−.9	40.7	−2.6	55.0	+1.2	63.8	+1.9	69.2	−1.3	73.4	−1.7	74.2	+1.3	63.2	−6.2	54.2	−2.1	42.4	−3.3	32.8	−5.1	54.4	−.7
Richwood	45.8	......	35.2	......	38.2	......	52.0	......	60.7	......	70.2	......	68.6	....	70.8	......	60.4	......	48.4	......	39.4	......	27.8	......	51.5	......
Robertsburg	44.5	+11.2	35.8	+1.7	39.6	−4.3	54.2	+1.2	64.3	+1.1	73.5	+2.3	75.9	+.5	77.7	+3.8	66.1	−2.3	53.3	−3.3	41.3	−2.1	32.0	−2.7	54.8	+.5
Ryan	43.1	+10.1	34.2	−.1	39.0	−3.8	52.6	+.6	60.2	−1.0	69.4	+.6	70.8	−2.3	74.9	+3.2	63.6	−1.0	51.9	−.8	40.0	−3.4	32.2	−2.3	52.7	.0
Spencer	43.6	+9.9	34.8	−.4	39.2	−3.7	53.0	+.2	63.0	+1.0	71.7	+2.0	73.8	+.2	75.4	+3.1	64.4	−2.1	51.7	−3.2	41.2	−2.9	34.5	−2.0	53.9	+.2
Sutton	46.4	+12.1	36.3	+.2	40.4	−3.8	53.6	+.8	61.5	−1.8	71.8	+.5	73.0	−1.8	75.0	+1.9	65.0	−3.7	52.8	−3.9	41.5	−2.5	33.2	−2.0	54.2	−.3
Union	[c]42.5	+9.2	[d]33.6	−1.6	[d]38.0	−5.4	[d]50.8	−1.0	[e]59.0	−1.9	[d]68.5	+.7	[d]68.6	−3.0	[c]72.0	+1.8	[d]62.4	−3.7	[e]49 6	−4.8	[d]39.6	−2.8	32.6	−1.4	51.4	−1.2
White Sulphur Springs	41.8	+9.7	31.2	−4.3	38.0	−4.6	50.6	−.8	59.6	−.9	68.4	+.4	69.5	−2.1	72.0	+1.7	61.4	−3.5	48.0	−4.4	37.1	−5.0	31.1	−1.6	50.7	−1.3
Williamson	46.9	+10.9	38.1	+.7	41.6	−5.1	55.5	.0	65.2	+.2	74.1	+1.5	75.7	−.4	77.8	+3.0	67.0	−2.7	53.6	−4.2	42.6	−3.0	35.6	−2.0	56.1	−.1

MONTHLY STATE DATA FOR 1937

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	43.2	+10.4	78	11	8.50	+4.77	0.6	17	6	6	19	w.
February	34.6	+1.5	80	−3	3.33	+.22	9.1	12	7	7	14	w.
March	38.5	−3.9	80	−3	2.05	−1.88	11.0	10	13	6	12	w.
April	51.4	−.3	91	18	4.09	+.57	.2	12	10	7	13	w.
May	61.4	−.3	97	28	3.58	−.34	.0	12	14	10	7	w.
June	70.8	+1.2	101	40	5.03	+.69	.0	13	12	11	7	w.
July	72.4	−.7	101	37	3.96	−.61	.0	12	14	11	6	w.
August	74.4	+2.6	101	40	5.83	+1.71	.0	13	12	10	9	w.
September	63.2	−3.2	98	23	2.18	−.73	.0	7	16	8	6	w.
October	51.6	−3.0	91	11	6.99	+4.09	1.2	16	10	6	15	w.
November	40.9	−2.3	78	−3	1.56	−1.18	3.6	11	9	6	15	w.
December	32.2	−2.3	66	−9	2.66	−.68	7.4	13	8	5	18	w.
Annual	52.9	.0	101	−9	49.76	+6.69	33.1	148	131	93	141	w.

MONTHLY EVAPORATION

Station		Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation, inches	3.499	5.309	5.498	5.597	4.523	3.044	1.250	......
	Wind Movement, miles	2,321	1,128	913	826	616	615	1,013	......

KILLING FROSTS

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Bancroft	April 17	Sept. 28	Martinsburg	April 13	Oct. 15
Bayard	May 12	Sept. 18	McNeill	May 11	Sept. 18
Beckley	May 11	Sept. 18	Morgantown	April 12	Oct. 14
Benson	May 20	Sept. 18	New Cumberland	May 11	Oct. 8
Bens Run	April 10	Oct. 14	New Martinsville	April 17	Oct. 14
Bluefield	April 17	Oct. 15	Parkersburg	April 12	Oct. 15
Brandywine	May 11	Sept. 18	Parsons	May 11	Oct. 15
Brownsville	May 20	Sept. 20	Pickens	May 20	Sept. 18
Buckhannon	April 17	Sept. 18	Piedmont	April 17	Oct. 9
Cairo	......	Sept. 19	Point Pleasant	April 17	Oct. 14
Charleston	April 12	Oct. 14	Rainelle	May 20	Sept. 18
Clarksburg	April 17	Oct. 8	Ravenswood	April 17	Sept. 18
Creston	April 17	Oct. 14	Richwood	May 11	Oct. 7
Elkins	April 17	Oct. 15	Robertsburg	April 17	Oct. 14
Fairmont	April 17	Oct. 14	Romney	April 29	Sept. 18
Gary	April 17	Oct. 15	Ryan	April 17	Oct. 8
Glenville	April 17	Oct. 15	Spencer	April 12	Oct. 8
Grafton	April 23	Oct. 8	Sutton	April 17	Oct. 15
Greenbottom	....	Oct. 8	Terra Alta	May 11	Sept. 17
Hinton	April 18	Oct. 15	Union	May 11	Sept. 18
Huntington	April 12	Oct. 14	Upper Tract	April 20	....
Jane Lew	May 1	....	Valley Chapel	April 17	Oct. 8
Kearneysville	April 17	Oct. 9	Wardensville	April 17	Oct. 9
Lewisburg	April 17	Oct. 15	Wellsburg	May 11	Sept. 18
London	April 18	Oct. 15	Weston	April 13	Oct. 15
Lost Creek	May 11	Sept. 18	Wheeling (Dam 12)	April 12	Oct. 14
Madison	April 11	Oct. 15	White Sulphur Spgs.	May 20	Oct. 8
Mannington	May 11	Sept. 27	Williamson	April 13	Oct. 15
Marlinton	May 19	Sept. 27			

Reference letters indicate number of days missing; [a] one day, [b] two days, etc. * Interpolated

Monthly and Annual Precipitation for the Year 1937, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	7.58	+3.08	3.90	+0.40	3.52	−0.99	4.31	+0.47	3.86	−0.44	4.34	−0.79	2.57	−1.67	6.12	+1.74	0.65	−2.66	11.14	+7.88	1.83	−1.17	3.45	−0.39	53.27	+5.46
Brandywine	4.75	+2.41	1.80	+.04	.85	−1.62	4.00	+1.33	2.80	−.28	3.20	−.68	1.95	−1.62	5.30	+1.72	2.35	−.03	7.65	+5.28	1.40	−.38	.95	−1.15	37.00	+5.02
Circleville	6.16	......	2.94	......	1.84	......	5.78	......	4.55	......	4.17	......	2.78	......	7.32	......	4.53	......	9.65	......	1.65	......	2.08	......	53.45	......
Harpers Ferry	4.77	+2.06	4.07	+1.81	1.41	−1.64	8.76	+5.51	1.88	−1.56	4.16	+.51	1.94	−1.56	11.27	+7.28	1.99	−.67	10.44	+7.18	2.37	+.18	.65	−1.96	53.71	+17.14
Kearneysville	5.31	......	3.16	......	1.11	......	6.87	......	1.91	......	4.82	......	1.07	......	8.22	......	2.96	......	8.10	......	2.22	......	.55	......	46.30	......
Martinsburg	5.49	+2.98	3.60	+1.20	1.79	−1.47	7.34	+4.23	2.10	−1.29	5.97	+1.83	1.18	−2.44	6.15	+2.09	2.14	−.78	8.35	+5.28	2.24	−.01	.71	−2.05	47.06	+9.57
McNeill	4.04	+1.66	2.88	+.75	1.82	−.77	5.99	+3.03	2.92	−.31	3.56	−.04	2.61	−.42	8.32	+5.33	1.47	−.81	8.61	+6.30	.74	−.81	1.02	−1.04	43.98	+12.87
Piedmont	7.03	+4.45	2.53	+.29	1.73	−1.25	6.11	+3.10	2.70	−.95	3.09	−.91	3.01	−.47	7.33	+3.74	.45	−1.96	8.72	+6.07	1.07	−.82	1.49	−.92	45.26	+10.37
Romney	5.55	+3.16	3.97	+2.07	1.55	−1.31	6.63	+3.66	3.59	+.06	5.47	+1.65	2.10	−1.38	11.16	+7.55	2.47	−.21	9.10	+6.55	1.59	−.19	2.02	−.23	55.20	+21.38
Stony River Dam	6.93	+4.12	4.28	+1.43	2.14	−1.21	4.64	+.89	3.32	−1.28	5.75	+1.73	1.79	−2.35	6.98	+2.40	2.72	−.06	10.02	+6.82	1.13	−1.82	2.64	−.60	52.34	+10.07
Wardensville	4.37	+2.14	3.34	+1.63	1.18	−1.02	5.97	+3.46	1.47	−1.49	2.20	−.80	2.25	−.85	14.44	(‡)	2.57	−.02	6.73	+3.57	1.37	−.16	.98	−.76	46.87	+16.51
Northern Division																										
Aberdeen	9.27	+5.87	3.86	+.76	2.86	−.93	4.82	+1.02	4.09	+.22	5.05	+.69	3.18	−1.61	6.10	+1.62	3.15	−.16	8.38	+4.84	1.68	−1.66	3.06	+.06	55.50	+10.72
Alma (near)	8.91	+6.25	2.63	+.37	1.47	−2.54	3.26	−.11	5.38	+1.71	6.09	+1.99	4.97	+.88	4.21	−1.32	1.84	−1.13	6.09	+3.37	1.57	−1.46	2.41	−.57	48.83	+7.44
Benson	10.06	+6.45	4.41	+.70	2.32	−1.14	3.95	+.74	4.56	+.63	6.05	+1.74	5.77	+.62	5.77	+1.32	2.83	−.80	7.32	+3.76	1.78	−1.71	2.94	−.55	57.76	+11.76
Bens Run	10.10	+6.12	2.30	−.81	1.54	−2.50	2.85	−.71	7.17	+3.17	10.01	+5.79	3.12	−1.41	5.31	+1.07	1.70	−.89	5.74	+2.72	2.70	−.19	3.51	−.05	56.05	+12.31
Brownsville	9.15	+5.56	5.30	+2.23	3.49	+.02	4.08	+.72	4.17	−.06	5.17	+.86	3.86	−.94	4.88	+.61	4.03	+.28	8.04	+4.62	1.96	−1.71	3.21	−.11	57.34	+12.08
Buckhannon	8.86	+4.46	4.00	+.24	2.72	−1.79	4.50	+.61	3.36	−1.07	5.84	+1.13	2.83	−1.89	5.28	+1.19	2.75	−.21	8.30	+5.16	2.05	−1.05	4.01	−.17	54.50	+6.61
Cairo	10.80	+6.85	3.06	+.09	1.96	−1.86	2.48	−.98	*4.60	+1.18	7.58	+3.07	4.93	+.51	*4.95	+1.08	4.01	+1.21	4.94	+2.02	1.23	−1.65	1.89	−1.56	52.43	+9.96
Clarksburg	8.68	+5.37	2.99	−.05	2.22	−.80	4.16	+.79	4.42	+.74	3.91	−.36	3.12	−.96	3.86	−.62	2.37	−1.23	6.72	+3.59	1.32	−1.87	2.32	−.76	46.09	+3.84
Crawford	8.52	+5.04	3.11	−.21	2.52	−1.81	3.86	−.37	3.87	−.62	6.10	+1.33	2.59	−2.55	8.56	+3.98	2.31	−1.43	8.57	+5.08	1.65	−1.99	3.43	−.16	55.09	+6.29
Creston	9.97	+6.04	4.99	+1.80	2.22	−1.88	2.78	−.88	3.91	+.20	5.52	+1.14	3.76	−.46	5.82	+1.96	1.48	−1.21	6.70	+3.55	1.15	−1.60	2.63	−.84	50.93	+7.82
Dam 10, Mon. R.	8.52	+5.33	2.54	−.33	1.80	−1.97	4.78	+1.31	6.00	+1.93	3.53	−.81	2.91	−1.17	4.48	+.42	2.23	−1.29	6.24	+3.07	1.67	−1.48	2.44	−.98	47.14	+4.03
Dam 13, O. R.	10.95	+7.82	2.13	−.30	1.71	−1.72	3.73	+.41	5.49	+2.07	5.62	+1.79	5.60	+1.24	1.92	−1.45	2.72	−.26	4.72	+2.03	1.41	−.97	2.62	−.36	48.62	+10.30
Dam 15, Mon. R.	8.82	+5.60	2.86	−.13	2.28	−.86	5.37	+2.08	6.79	+3.19	3.69	−.30	3.08	−.85	4.07	−.06	2.52	−.67	6.59	+3.35	1.50	−1.79	2.60	−.53	50.17	+9.03
Dam 19 O. R.	9.79	+6.38	3.09	+.52	1.78	−1.76	1.98	−1.20	3.66	+.24	5.68	+1.76	5.18	+1.25	3.70	+.04	1.37	−1.29	4.26	+1.61	1.03	−1.61	2.88	−.25	44.40	+5.69
Dam 20 O. R.	8.87	+5.25	3.55	+.79	1.24	−2.47	2.18	−1.06	3.36	−.10	4.34	+.35	3.49	−.44	3.43	−.36	1.98	−.61	4.58	+1.83	.80	−1.80	2.88	−.26	40.70	+1.12
Davis	8.69	+4.68	5.24	+1.77	3.98	+.23	6.17	+2.50	4.89	+.65	3.69	−1.27	2.92	−1.73	8.13	+3.56	1.45	−1.85	10.98	+7.57	1.40	−1.30	2.58	−1.45	60.12	+13.36
Elizabeth	10.99	+7.22	3.18	+.32	2.08	−1.67	2.44	−.73	2.87	−.56	8.55	+4.34	3.14	−1.26	3.75	−.25	2.45	−.14	5.13	+2.21	1.34	−1.20	2.56	−.57	48.48	+7.71
Elkins	6.92	+3.14	3.48	+.40	3.51	−.29	4.65	+1.03	4.11	+.06	4.11	−.95	2.77	−2.61	6.61	+2.75	3.83	+.68	8.31	+5.40	1.24	−1.54	1.02	−2.44	50.56	+5.63
Fairmont	8.00	+4.07	2.63	−.39	2.55	−1.42	4.51	+1.24	6.18	+2.30	5.22	+.81	2.46	−1.94	4.87	+.87	2.84	−.11	6.44	+3.33	1.52	−1.24	3.21	−.28	50.43	+7.24
Glenville	10.62	+6.19	5.16	+1.59	2.28	−2.01	4.48	+.72	4.40	+.28	8.46	+4.07	4.79	−.08	6.71	+2.48	2.35	−.87	7.27	+4.06	1.66	−1.39	3.09	−.84	61.27	+14.20
Grafton	9.53	+5.96	2.86	−.05	2.29	−1.47	4.71	+1.42	5.61	+1.93	5.85	+1.72	2.98	−1.10	7.25	+3.54	2.57	−.04	6.29	+3.33	1.40	−1.03	2.24	−.84	53.58	+13.37
Hastings	10.29	......	2.92	......	2.05	......	4.37	......	5.79	......	7.10	......	3.62	......	5.92	......	2.35	......	5.47	......	1.99	......	3.10	......	54.97	......
Horner	8.95	+4.92	3.90	+.25	1.84	−1.92	4.08	+.72	3.78	−.89	6.31	+2.01	5.04	+.24	3.42	−1.46	3.70	+.17	8.81	+5.14	2.55	−1.24	4.20	+.67	56.58	+8.61
Janelew	10.19	+6.93	3.71	+.94	2.82	−.44	4.15	+.50	3.37	−1.23	5.80	+1.73	2.04	−2.90	6.63	+1.78	3.17	−.07	7.47	+4.15	1.37	−1.95	2.69	−.39	53.41	+9.05
Lost Creek	9.72	+5.80	3.69	+.61	2.10	−1.82	4.64	+1.22	3.08	−1.07	3.50	−.83	5.23	+.90	4.37	+.14	2.61	−.38	7.78	+4.79	1.41	−1.40	2.52	−1.01	50.65	+6.95
Mannington	9.20	+5.08	2.73	−.17	1.99	−2.04	5.23	+1.53	6.12	+2.11	6.51	+2.23	3.23	−1.56	4.50	+.42	2.13	−1.26	6.44	+3.27	2.04	−1.00	3.02	−.55	53.14	+8.06
Morgantown	8.92	+5.46	2.64	+.08	1.70	−1.69	6.07	+2.92	*5.35	+1.65	4.57	+.33	2.42	−1.96	3.90	−.11	1.71	−1.16	4.97	+1.82	1.70	−.83	3.80	+.70	47.75	+7.21
New Cumberland	8.82	+5.98	1.27	−1.17	1.83	−1.41	5.93	+2.65	4.26	+.86	3.47	−1.08	5.50	+1.42	1.82	−1.57	3.28	+.37	3.55	+.83	1.59	−.73	2.92	+.16	44.24	+6.31
New Martinsville	9.74	+5.76	2.40	−.44	1.51	−2.28	3.87	+.37	4.95	+1.28	5.87	+1.76	3.10	−1.39	4.46	+.57	2.65	−.38	4.75	+1.63	1.86	−.98	4.09	+.53	49.25	+6.43
Parkersburg	8.99	+5.41	2.58	−.55	1.36	−2.13	2.19	−1.00	3.49	+.11	5.35	+1.35	3.26	−1.03	3.58	+.07	1.30	−1.46	3.67	+1.19	1.16	−1.41	3.14	+.11	40.07	+.66
Parsons	5.45	+0.84	2.42	−1.10	4.23	+.02	4.32	+.56	4.58	+.45	3.90	−1.09	2.82	−2.27	8.35	+4.30	1.66	−1.49	8.95	+5.68	.73	−2.20	3.44	−.61	50.85	+3.09
Parsons (No. 2)	7.57	+2.96	3.32	−.20	2.64	−1.57	4.27	+.51	5.30	+1.17	3.99	−1.00	3.72	−2.37	7.77	+3.72	1.79	−1.36	6.90	+3.63	1.44	−1.49	3.36	−.69	52.07	+3.31
Philippi	8.47	+4.33	3.85	+.67	2.81	−1.33	4.49	+.77	4.84	+.57	4.36	−.33	3.32	−1.41	7.22	+2.98	2.69	−.61	9.63	+6.49	1.37	−1.56	2.87	−.90	55.92	+9.67
Pickens	10.12	+3.80	4.87	−.22	3.10	−2.81	5.54	+.35	6.67	+1.42	10.13	+4.33	5.70	−.34	6.46	+.99	3.16	−.94	10.62	+6.58	4.09	−.13	4.02	−1.36	74.48	+11.67
Roanoke	8.57	+4.97	3.62	+.24	1.92	−1.70	3.92	+.34	3.58	−.98	6.92	+2.61	3.27	−1.02	8.90	+4.56	2.31	−1.09	9.86	+6.44	1.53	−1.84	2.91	−.46	57.11	+11.47
St. Marys	9.99	+6.25	3.28	+.35	1.78	−2.14	2.24	−1.18	5.14	+1.63	6.94	+2.77	4.15	−.01	5.42	+1.33	2.70	.00	5.50	+2.64	1.89	−.91	3.40	+.06	52.43	+10.79
Terra Alta	9.80	+4.92	5.96	+2.37	3.80	−.64	7.20	+3.10	1.75	−3.23	6.20	+.02	5.50	+.26	6.50	+1.49	1.38	−2.33	9.12	+5.23	1.18	−2.02	4.90	+.16	63.29	+9.33
Thomas	8.39	......	4.22	......	3.81	......	4.63	......	5.86	......	5.65	......	3.82	......	8.31	......	1.76	......	10.90	......	1.74	......	4.50	......	63.59	......
Valley Chapel	10.27	+6.73	3.77	+.70	2.69	−1.00	4.19	+.78	3.45	−.44	4.56	+.81	2.76	−2.17	4.89	+.73	3.51	+.19	6.70	+3.29	1.93	−1.34	3.04	−.18	51.76	+8.10
Vandalia	8.18	+5.11	3.43	+.41	2.04	−1.16	4.13	+.43	4.18	+.60	7.33	+3.52	2.38	−2.78	6.74	+2.54	1.75	−1.52	8.89	+5.92	1.74	−1.64	3.22	+.82	54.01	+12.25
Wellsburg	9.09	+6.04	1.57	−.62	1.71	−1.48	4.89	+1.73	5.95	+2.75	4.90	+.76	4.48	+.30	2.15	−1.41	2.00	−.99	4.32	+1.60	1.59	−.98	3.12	+.21	45.77	+7.91
West Milford	10.65	+7.58	3.82	+.49	2.22	−1.32	4.70	+.88	3.72	−.01	5.32	+1.05	4.44	−.21	4.59	−.03	2.38	−.89	7.09	+2.87	1.67	−1.94	2.98	−.10	53.58	+8.37
Weston	10.08	+5.97	4.31	+.71	3.13	−1.15	4.82	+1.31	3.73	−.11	5.34	+1.00	2.98	−1.44	4.26	+.56	4.95	+2.32	7.91	+5.10	1.81	−1.13	3.39	−.24	56.71	+12.90
Wheeling (Dam 12)	9.76	+6.63	1.88	−.41	1.44	−1.84	3.59	+.36	5.92	+2.82	7.18	+3.29	7.62	+3.32	1.81	−1.74	3.60	+.68	3.91	+1.18	1.63	−.80	2.78	−.20	51.03	+13.29
Woodlands	9.34	+6.37	1.68	−.72	1.40	−2.49	4.02	+.52	4.99	+1.50	6.05	+2.03	3.60	−.58	2.07	−2.96	1.96	−1.02	4.98	+2.02	1.36	−1.45	2.80	−.41	44.25	+2.81
Southern Division																										
Arbovale	6.32	+3.51	2.21	−.66	1.17	−2.64	3.18	−.04	2.58	−.83	2.90	−.85	4.40	−.31	4.00	−.31	2.28	−.25	8.00	+5.36	1.23	−1.85	1.98	−1.18	40.25	−.05
Bancroft	9.61	+5.54	3.08	−.01	2.38	−1.62	2.68	−.75	2.58	−1.17	4.50	+.18	2.89	−1.28	6.66	+2.54	.80	−2.08	5.42	+2.44	1.56	−1.06	2.57	−.90	44.73	+1.83
Beckley	8.07	+4.40	3.89	+.94	2.25	−1.52	4.74	+1.26	2.47	−1.16	4.66	+.25	5.61	+1.23	7.58	+3.74	2.61	+.07	7.09	+4.11	2.08	−.51	2.54	−.77	53.59	+12.04
Bluefield	6.81	+3.80	4.16	+1.23	1.50	−1.62	2.75	−.36	.94	−2.18	6.14	+1.91	3.53	−.54	7.95	+4.34	2.80	+.48	8.06	+5.29	1.01	−1.04	2.42	−.46	48.07	+10.85
Camden-on-Gauley	8.14	......	3.78	......	1.88	......	4.02	......	3.34	......	4.57	......	7.39	......	5.75	......	3.93	......	7.61	......	1.87	......	3.09	......	55.37	......
Charleston	8.46	+4.43	3.35	+.04	1.85	−2.65	2.49	−1.38	2.96	−.82	4.90	+.51	4.30	−.48	6.38	+1.91	.85	−2.13	6.34	+3.30	2.08	−.99	1.90	−1.74	45.86	.00
Charleston (No. 2)	7.92	+3.89	3.64	+.33	2.06	−2.44	3.21	−.66	2.81	−.97	4.38	−.01	4.99	+.21	9.07	+4.60	1.57	−1.41	6.49	+3.45	1.66	−1.41	2.14	−1.50	49.94	+4.08
Clay	7.66	+3.98	3.34	+.08	2.32	−1.83	3.06	−.38	3.11	−.68	4.18	−.33	3.84	−1.14	8.15	+3.66	3.01	−.21	6.85	+3.87	2.32	−.58	3.43	−.07	51.27	+6.37
Dam 6 G. K.	8.73	+6.18	2.88	.00	1.48	−2.10	2.26	−1.00	3.25	+.63	2.81	−.28	3.52	−1.50	8.76	+4.48	1.27	−1.57	5.55	+2.42	.61	−1.97	2.13	−.30	43.25	+4.99
Gary	6.41	+2.96	3.91	+.77	2.02	−2.14	2.86	−.63	2.07	−1.90	4.50	−.57	5.94	+1.01	6.97	+2.86	.91	−2.08	6.91	+4.01	1.14	−1.56	2.07	−1.30	45.71	+1.43
Hinton	7.25	+3.99	3.26	+.37	1.14	−2.76	2.84	−.36	1.57	−1.98	4.26	−.04	5.10	+1.03	6.28	+2.12	1.60	−1.09	6.01	+3.18	1.04	−1.37	1.46	−1.72	41.81	+1.37
Hogsett	9.77	+5.93	3.18	+.25	1.29	−2.59	2.23	−1.04	2.63	−1.05	3.70	−.33	5.08	+1.20	4.17	+1.01	1.10	−1.08	4.86	+2.23	.84	−1.84	1.78	−1.48	40.63	+1.21
Huntington	12.07	+8.28	3.05	−.03	1.66	−2.56	2.71	−.80	2.67	−1.30	4.32	+.09	5.01	+.71	1.52	−2.18	1.15	−1.30	4.20	+1.68	1.27	−1.25	2.31	−1.06	41.94	+.28
Kanawha Falls	6.89	+3.68	2.82	+.18	1.80	−1.40	2.73	−.99	1.63	−2.27	2.92	−1.16	4.99	+.13	4.89	.00	.55	−2.61	4.88	+1.58	1.30	−1.83	1.91	−1.45	37.31	−6.14
Kayford	7.06	+2.84	3.48	+.04	2.00	−2.64	4.99	+.93	2.07	−2.33	4.61	−.58	5.56	+.39	7.91	+3.08	1.28	−2.10	7.78	+4.46	1.89	−1.23	3.24	−.67	51.87	+2.16
Lewisburg	7.10	+3.75	2.95	+.16	1.25	−2.39	3.71	+.39	1.56	−1.80	1.56	−2.38	5.09	+1.20	5.86	+1.91	1.17	−1.52	6.52	+3.52	1.61	−.87	1.47	−1.64	39.85	+.33
Logan	7.98	+3.56	3.25	−.25	2.09	−2.63	4.39	+.24	1.95	−2.16	4.80	−.09	3.55	−1.38	7.63	+3.14	2.10	−1.05	6.08	+3.03	1.27	−1.96	2.46	−1.64	47.55	−1.19
London	7.30	......	3.57	......	1.78	......	2.72	......	1.47	......	4.38	......	5.71	......	7.53	......	1.03	......	7.28	......	1.66	......	3.13	......	47.56	......
Madison	7.71	+3.61	3.72	+.49	1.11	−3.07	3.14	−.70	2.09	−2.24	7.15	+2.99	2.70	−2.63	7.64	+3.82	1.44	−2.02	6.53	+3.90	1.38	−1.27	2.13	−.77	46.74	+2.11
Marlinton	6.04	+1.84	2.64	−.66	1.35	−3.19	3.37	−.25	2.22	−1.72	3.07	−1.74	3.86	−.93	7.17	+2.49	1.15	−1.86	8.50	+5.51	1.24	−1.70	2.00	−1.90	42.61	−4.11
Point Pleasant	11.68	+7.73	4.32	+1.17	1.79	−2.30	3.33	+.02	3.99	.00	4.12	+.04	7.05	+2.91	5.12	+1.91	1.55	−.86	4.90	+2.09	1.14	−1.69	2.98	−.52	51.97	+10.50
Rainelle	7.85	......	4.14	......	2.35	......	4.19	......	2.27	......	3.97	......	5.51	......	7.72	......	2.91	......	8.02	......	1.79	......	2.05	......	52.77	......
Ravenswood (Dam 22)	11.40	+7.80	3.54	+.57	1.52	−2.37	2.19	−.97	3.23	−.48	3.52	−.62	5.73	+1.71	1.06	−2.29	1.65	−.65	4.20	+1.41	.76	−1.96	2.06	−1.26	40.86	+.89
Richwood	6.38	......	3.22	......	2.12	......	3.90	......	2.23	......	3.68	......	7.96	......	7.49	......	3.18	......	8.27	......	2.30	......	3.48	......	54.21	......
Robertsburg	11.48	+7.55	2.98	−.06	1.55	−2.40	2.35	−.96	3.31	−.09	5.43	+1.61	3.37	−.39	7.06	+3.56	1.58	−.88	4.50	+1.79	.98	−1.57	1.85	−1.49	46.44	+6.67
Ryan	9.92	+5.87	3.24	−.04	2.09	−2.27	2.51	−1.27	4.53	+.89	6.75	+2.10	7.32	+2.72	3.79	−.29	1.47	−1.53	6.70	+3.54	1.20	−1.67	2.91	−.34	52.43	+7.71
Sharples	6.94	+3.50	3.70	+.62	2.11	−1.63	5.16	+1.27	.50	−3.57	5.54	+.96	*4.45	−.64	6.12	+1.37	1.91	−1.21	7.55	+4.75	*1.45	−1.79	1.20	−2.38	46.63	+1.28
Spencer	10.64	+6.63	3.78	+.63	2.72	−1.35	2.78	−.61	4.01	+.36	3.62	−.89	6.71	+2.47	3.50	−.47	.80	−2.08	5.62	+2.46	1.24	−1.43	3.18	−.23	48.60	+5.49
Summersville	8.23	......	4.05	......	1.89	......	3.28	......	2.32	......	4.45	......	4.62	......	6.60	......	2.61	......	9.07	......	1.84	......	2.61	......	51.57	......
Sutton	8.40	+3.86	3.78	+.34	1.93	−2.41	3.60	−.25	3.75	−.61	5.65	+.69	5.05	−.28	8.70	+4.45	1.90	−1.45	7.75	+4.76	3.05	−.15	5.15	+1.33	58.71	+10.28
Thornwood	6.00	......	2.13	......	1.59	......	3.68	......	1.55	......	3.11	......	2.11	......	4.85	......	2.93	......	9.94	......	2.12	......	3.15	......	43.16	......
Union	6.55	+3.40	2.79	−.06	1.45	−2.10	3.39	+.50	1.11	−2.09	1.80	−2.19	5.22	+1.43	5.62	+1.69	.64	−1.91	6.78	+4.05	1.32	−1.02	1.25	−1.67	37.92	+.03
Wayne	11.31	+7.55	3.59	+.67	1.72	−2.88	3.49	−.17	3.05	−.53	5.73	+1.71	2.67	−1.92	3.04	−1.21	1.77	−1.32	3.82	+.94	1.23	−1.83	2.45	−.58	43.87	+.43
White Sulphur Springs	7.95	+4.62	1.40	−1.23	1.10	−2.47	3.80	+.52	1.20	−2.27	1.25	−2.73	4.80	+.88	4.90	+1.31	1.60	−1.24	6.95	+4.14	1.45	−.83	.35	−2.75	36.75	−2.05
Williamson	7.98	+4.03	3.67	+.32	1.92	−2.62	4.15	+.47	3.06	−1.02	4.99	+.22	2.09	−2.34	5.53	+1.54	1.29	−1.70	5.85	+3.06	1.34	−1.48	2.99	−.79	44.86	−.31

* Interpolated. (‡) +10.81

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., JANUARY 1938 No. 1

GENERAL SUMMARY

The month was warmer and drier than normal, with more than the usual amount of sunshine. Temperatures were above normal except for frequent short cold periods. Exceptionally high temperatures prevailed on the 24th-25th. A temperature of zero or below occurred at only two stations.

The precipitation was below normal at all stations. The average of 1.48 inches below normal brought the deficiency for the two months, of winter season, to 2.16 inches. Although light, the precipitation was well distributed over the State and apparently sufficient for all purposes. The rivers were at pool stage most of the month. The average snowfall was less than one-half the normal, but covered the ground during the cold period of the month, affording protection to winter grains. High winds accompanying thunderstorms occurred generally on the 24th-25th.

Favorable weather permitted outdoor activities during greater part of the month. Winter grains made good growth and were in fair to good condition during most of the month. There was considerable winter plowing.—*H.C.D.*

TEMPERATURE

The average temperature for the northeastern panhandle division was 31.6°, or 0.9° above normal; for the northern division, 33.1°, or 0.7° above normal; for the southern division, 34.6°, or 0 6° above normal; and for the State, 33.5°, or 0.7° above normal. The highest monthly mean temperature was 38.4° at Brownsville, and the lowest was 26.9° at Terra Alta. The highest temperature was 77° at London on the 24th; and the lowest, 2° below zero at Flat Top on the 27th, making the monthly range for the State 79°. The greatest daily range was 54° at Rainelle on the 29th.

PRECIPITATION

The average precipitation for the northeastern panhandle division was 1.52 inches, or 1.66 inches below normal; for the northern division, 2.27 inches, or 1.72 inches below normal; for the southern division, 2.34 inches, or 1.33 inches below normal; and for the State, 2.22 inches, or 1.48 inches below normal. The greatest monthly amounts were received in the central and southern counties, and the least in the northern and northeastern panhandle divisions. The greatest monthly precipitation was 4.41 inches at Pickens, and the least 0.66 of an inch at Wardensville. The average snowfall was 4.2 inches, or 3.6 inches below normal. The greatest monthly snowfall was 19.0 inches at Davis. The greatest amount of precipitation in any 24 consecutive hours was 1.45 inches at Hastings on the 25th.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

Fogs, dense: 1st, 1; 2d, 1; 7th, 3; 8th, 11th, 12th and 14th, 1 each; 15th, 2; 18th, 2; 19th, 5; 20th, 9; 21st, 8; 22d, 8; 24th, 1; 25th, 3.

Halos, solar: 3d, 1; 6th, 1; 16th, 2; 29th, 1.
lunar: 13th, 14th and 15th, 1 each.

Sleet: 8th, 1; 11th, 2; 12th, 3; 21st and 31st, 1 each.

Thunderstorms: 24th and 25th, 10 each.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.06	30.66	31	29.23	24	9.0	30	s.	24	80	68	70	45
Columbus, Ohio	30.05	30.65	31	29.23	24	11.2	50	s.	24	79	70	69	48
Elkins	30.09	30.65	31	29.29	25	7.0	30	se.	24	82	69	73	38
Parkersburg	30.06	30.67	31	29.24	24	7.0	29	sw.	24	82	71	73	42
Pittsburgh, Pa	30.01	30.61	31	29.22	25	11.1	36	se.	24	82	71	74	31
Wytheville, Va	30.06	30.49	31	29.28	25	8.4	34	w.	25	83	66	73	40

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	......	......	3.24	4.23	3.24	3.64	......	......	......	......	......
1892	29.4	76	−3	2.95	3.57	2.66	3.15	......	11	......	......	......
1893	22.6	71	−25	2.26	2.87	2.02	2.49	......	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	......	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	......	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	14	8
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	**−34**	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	**83**	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	**20.7**	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	**1.37**	3.6	8	10	7	14
1932	**43.4**	82	7	3.18	5.18	4.79	4.82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	**8.50**	.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
Period	32.8	83	−34	3.18	3.99	3.67	3.70	7.8	11	9	7	15

Climatological Data for January 1938

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	27.8	−1.0	59	30	0	29	45	1.97	−2.53	0.51	5.0	13	9	3	19	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	34.2	+3.3	58	1	6	28	41	1.15	−1.19	.60	1.0	5	15	1	15	s.	E. L. Keister
Harpers Ferry	Jefferson	244	49	...	...	...	...	...	...	...	1.82	−.89	.65	1.5	10	...	...	...	...	Miss Eleanor White
Kearneysville	Jefferson	548	8	31.6	...	60	30	12	28	32	1.17	...	.39	...	8	8	11	12	n.	F. J. Schneiderhan
Martinsburg	Berkeley	435	46	32.4	+1.4	60	24	15	†9	30	1.79	−.72	.70	.5	8	18	12	1	ne.	Dr. H. S. Gardner
McNeill	Hardy	800	42	32.6	+1.6	67	30	7	†27	47	.88	−1.50	.69	T.	3	6	11	14	w.	R. E. Saville
Piedmont	Mineral	1,053	25	31.2	+.3	62	30	10	9	37	.95	−1.63	.59	1.0	6	6	10	15	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	32.4	+.9	57	†30	11	29	35	1.87	−.52	.90	1.5	8	11	11	9	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	...	...	...	...	...	...	...	2.23	...	.72	...	11	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	18	...	...	...	...	...	...	...	2.25	−.56	.45	13.0	13	5	6	20	w.	A. C. Becker
Wardensville	Hardy	1,200	17	30.8	.0	61	24	7	20	37	.66	−1.47	.30	2.0	7	7	9	11	n.	Reymann Memorial Farm
Division averages	and extremes	...	...	**31.6**	**+.9**	**67**	**30**	**0**	**29**	**47**	**1.52**	**−1.66**	**.90**	**2.7**	**8**	**10**	**8**	**13**	**w.**	
Northern Division																				
Aberdeen	Upshur	1,060	14	...	...	...	...	...	...	...	2.07	−1.33	.70	3.8	12	5	7	19	w.	L. Else Bond
Alma (near)	Tyler	800	11	...	...	...	...	...	...	...	2.34	−.32	1.10	5.5	13	7	5	19	...	H. W. & T. J. Furbee
Benson	Harrison	1,080	14	33.4	−.7	70	24	1	9	48	2.59	−1.02	.68	7.0	15	4	12	15	...	R. D. Marts
Bens Run	Tyler	652	36	33.7	+.8	69	24	9	26	42	1.92	−2.06	.43	3.2	12	16	7	8	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	38.4	+3.8	67	†24	6	9	53	2.10	−1.49	.67	...	11	6	14	11	...	W. B. Worley
Buckhannon	Upshur	1,411	41	34.0	+1.5	62	†24	8	†26	44	2.21	−2.19	.55	3.5	9	12	1	18	...	H. A. Darnall
Cairo	Ritchie	680	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	32.0	−.6	66	24	6	†9	52	1.73	−1.58	.60	5.1	11	5	5	21	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	...	...	...	...	...	...	...	2.27	−1.21	.71	3.5	10	4	6	21	nw.	George W. Blair
Creston	Wirt	640	36	35.9	+1.8	55	†21	4	9	47	2.94	−.99	1.13	1.4	11	12	4	15	...	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17	...	...	...	...	...	...	...	2.16	−1.03	.60	5.2	16	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	22	...	...	...	...	...	...	...	2.01	−1.12	.45	3.0	13	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Marion	882	17	...	...	...	...	...	...	...	1.90	−1.32	.52	2.5	10	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	22	...	...	...	...	...	...	...	1.80	−1.61	.51	.5	9	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	22	...	...	...	...	...	...	...	1.84	−1.78	.50	.4	7	...	...	...	...	Lockmaster
Davis	Tucker	3,093	29	...	...	...	...	...	...	...	2.31	1.70	.24	19.0	17	...	...	...	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	26	...	...	...	...	...	...	...	1.68	−2.09	.76	...	5	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	37	31.2	+.8	61	30	5	29	46	2.25	−1.53	.59	10.1	17	4	9	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	32	32.8	+.6	65	24	8	†26	44	1.94	−1.99	.50	8.0	16	6	4	21	sw.	J. C. Robinson
Glenville	Gilmer	738	44	35.2	+1.4	69	24	8	†9	47	2.21	−2.22	.70	1.5	11	7	7	17	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	35.0	+2.4	65	25	7	9	46	1.92	1.65	.72	2.3	15	6	7	18	...	L. W. Clayton
Hastings	Wetzel	809	3	...	...	...	...	...	...	...	3.65	...	1.45	7.8	16	4	4	23	w.	L. G. McIntyre
Horner	Lewis	1,044	15	...	...	...	...	...	...	...	1.97	−2.06	.70	...	10	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	15	...	...	...	...	...	...	...	1.87	−1.39	.70	...	11	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	33.5	+.6	64	†24	5	†9	45	2.06	−1.86	.75	4.5	12	4	7	20	w.	Allen Smith
Mannington	Marion	974	35	31.8	−.1	65	24	2	9	41	3.04	−1.08	.88	6.6	18	4	6	21	w.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45	32.6	+.3	45	†1	2	26	24	1.80	−1.66	.45	4.0	6	10	11	10	...	Bruce Davis
New Cumberland	Hancock	671	40	33.2	+4.6	65	24	4	9	46	2.27	−.57	.67	3.8	18	6	2	23	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	...	...	68	24	...	...	...	2.48	−1.50	.92	4.5	8	4	10	17	n.	Wm. Ankrom
Parkersburg	Wood	615	51	33.8	+1.3	69	24	8	26	35	1.77	−1.81	.68	2.7	13	5	10	16	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	33.9	−.6	65	30	5	29	41	2.11	−2.50	1.14	8.5	8	8	6	17	...	J. W. Swisher
Philippi	Barbour	1,550	41	...	...	...	...	...	...	...	2.26	−1.88	.52	1.4	11	...	...	...	...	H. F. Brittinham
Pickens	Randolph	2,697	35	29.0	−1.9	56	25	0	26	46	4.41	−1.91	.66	17.0	15	8	8	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	...	...	...	...	...	...	...	1.72	−1.88	.51	4.7	13	7	3	21	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	30	...	...	...	...	...	...	...	2.62	−1.12	.88	1.0	9	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	37	26.9	−1.0	54	†3	1	27	39	3.87	−1.01	1.20	10.7	10	...	...	...	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	...	...	...	...	...	...	...	2.43	...	.70	9.5	12	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	15	34.6	−.5	66	†24	8	9	42	2.42	−1.12	.73	6.0	13	4	9	18	w.	J. C. Campbell
Vandalia	Lewis	1,120	15	...	...	...	...	...	...	...	1.65	−1.42	.55	...	5	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	31	30.6	+.4	66	24	2	9	41	1.92	−1.13	.46	3.5	10	7	4	20	...	George P. Pfister
West Milford	Harrison	979	13	...	...	...	...	...	...	...	2.56	−.51	.75	...	10	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	43	34.7	+.6	66	24	8	26	42	2.79	−1.32	.82	6.2	14	2	14	15	...	A. Henry
Wheeling (Dam 12)	Ohio	659	51	31.4	+1.0	67	24	7	9	36	1.95	−1.09	.47	6.7	11	5	7	19	sw.	Lockmaster
Division averages	and extremes	...	...	**33.1**	**+.7**	**70**	**24**	**0**	**26**	**53**	**2.27**	**−1.72**	**1.45**	**5.4**	**12**	**6**	**7**	**18**	**w.**	
Southern Division																				
Arbovale	Pocahontas	2,734	12	...	...	...	...	...	...	...	1.34	−1.47	.33	4.5	10	8	8	15	w.	H. S. Sutton
Bancroft	Putnam	574	34	37.5	+3.2	73	24	15	†9	45	2.32	−1.75	.68	T.	8	10	6	15	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	32.5	−.7	60	24	1	27	43	3.43	−.24	.78	5.8	16	6	9	16	...	L. A. Mauck
Bluefield	Mercer	2,558	43	34.4	−.5	58	†17	2	27	39	2.27	−.74	.53	2.8	13	12	6	13	...	Norfolk & Western Ry.
Charleston	Kanawha	602	35	37.0	−.9	72	24	11	27	40	2.38	−1.65	.60	1.4	12	5	5	21	...	Charleston Daily Mail
Clay	Clay	790	22	...	...	...	...	...	...	...	2.09	−1.59	.51	4.7	14	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	..	30.7	...	55	24	−2	27	38	2.84	...	.98	10.4	19	...	...	...	...	U. S. Airway Station
Gary	McDowell	1,426	22	35.8	+.7	69	24	9	†27	48	2.98	−.47	.56	...	11	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	35.4	...	72	24	9	†9	44	2.33	...	.56	1.1	8	5	14	12	sw.	State Forest Nursery
Hinton	Summers	1,431	41	35.0	+.5	66	30	9	27	52	2.05	−1.21	.55	.5	12	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	22	...	...	...	...	...	...	...	2.31	−1.53	.54	1.0	9	...	...	...	...	Lockmaster
Huntington	Cabell	571	41	37.8	+3.8	72	24	10	26	45	2.37	−1.42	.81	1.0	7	5	11	15	sw.	H. N. Robinson
Institute	Kanawha	616	..	36.6	...	74	24	10	27	46	2.57	...	.71	2.1	13	...	...	...	...	U. S. Airway Station
Kanawha Falls	Fayette	618	19	...	...	...	...	...	...	...	.93	−2.28	.30	2.0	7	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	22	...	...	...	...	...	...	...	2.52	−1.70	.60	4.7	16	...	...	...	...	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	38	34.4	+2.0	57	25	9	28	37	1.86	−1.49	.82	2.2	13	9	3	19	...	J. K. Monroe
Logan	Logan	700	35	...	...	...	...	...	...	...	2.25	−2.17	.56	1.0	8	...	...	...	...	Paul A. Simonds
London	Kanawha	623	2	37.6	...	77	24	13	†27	45	1.92	...	.56	1.5	13	3	0	28	w.	Lockmaster
Madison	Boone	675	17	35.8	−.8	73	25	10	†27	40	2.43	−1.67	.65	...	10	4	10	17	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	32.4	+4.4	59	17	6	27	51	1.32	−2.88	.56	1.1	10	11	8	12	...	M. B. Bruce
Point Pleasant	Mason	595	45	36.9	+2.8	74	24	9	26	45	2.59	−1.36	.55	1.0	12	5	8	18	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	32.0	...	60	†1	1	29	54	2.81	...	.90	11.0	19	8	2	21	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	35.8	+.4	70	25	10	†9	46	1.95	−1.65	.51	.5	8	10	5	16	nw.	Lockmaster
Richwood	Nicholas	2,193	8	27.4	...	54	30	6	26	38	2.60	...	.72	9.0	19	6	8	17	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	34.0	+.7	66	24	9	9	41	2.00	−1.93	.45	1.0	8	6	0	25	...	M. Frazier
Ryan	Roane	700	35	33.6	+.6	70	24	7	9	42	2.58	−1.47	.82	3.2	15	9	9	13	...	Wm E. Ryan
Spencer	Roane	789	34	34.5	+.8	69	24	8	26	40	2.44	−1.57	.87	2.0	10	2	11	18	...	A. M. McKown
Summersville	Nicholas	1,894	5	...	...	...	...	...	...	...	3.01	...	.90	...	13	...	...	...	...	Mrs. Anna Taylor
Sutton	Braxton	850	32	35.3	+1.0	65	†24	8	26	46	2.80	−1.74	.65	8.0	12	15	0	16	...	C. B. Eakle
Union	Monroe	2,250	34	33.6	+.3	57	25	4	27	44	2.19	−.96	.68	...	10	10	3	18	...	C. B. King
Wayne	Wayne	598	11	...	...	...	...	...	...	...	2.62	−1.14	.82	.2	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	30.8	−1.3	56	30	5	29	50	2.35	−.98	.60	...	5	10	3	18	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	38	37.2	+1.2	73	24	10	†27	41	2.82	−1.13	.61	2.7	15	6	10	15	ne.	J. E. Dotson
Division averages	and extremes	...	...	**34.6**	**+.6**	**77**	**24**	**−2**	**27**	**54**	**2.34**	**−1.33**	**.98**	**3.1**	**12**	**8**	**6**	**17**	**nw.**	
State averages and	extremes	...	...	**33.5**	**+.7**	**77**	**24**	**−2**	**27**	**54**	**2.22**	**−1.48**	**1.45**	**4.2**	**11**	**7**	**7**	**17**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. †† Received too late to be included in means and summaries.

Reference letters appearing in the table indicate number of missing days; for example, a one day, b two days, etc.

Daily Precipitation for January 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard 1	Potomac	.08	....	....	.01	....	....	.17	T.	....	....	.10	.10	.10	.28	....	.02	T.	....	....	T.	T.	.38	....	....	.51	.10	....	....	....	.02	.10	1.97
Brandywine	do	.05	....	....	....	....	....	.20	....	....	....	.10	....	T.	T.	T.	....	....	....	T.	....	.20	T.	....	T.	.60	....	....	....	....	....	....	1.15
Harpers Ferry 1	do	.05	.04	....	....	....	....	.55	....	....	....	.03	.04	....	....	....	....	....	....	.02	.06	....	.35	....	....	.65	....	....	....	....	....	.03	1.82
Kearneysville	do	.23	....	....	....	....	....	.39	....	....	....	.08	T.	T.	....	....	....	....	.02	.03	....	.10	....	....	.10	.22	....	....	....	....	....	....	1.17
Martinsburg 1	do	.40	.15	....	....	....	....	.70	....	....	....	.02	....	.04	....	T.	....	....	T.	.04	T.	T.	.04	....	....	.40	....	....	....	....	....	....	1.79
McNeill	do	T.	....	....	....	....	....	.16	....	....	....	T.	....	....	....	....	....	....	T.	T.	....	.03	T.	....	T.	.69	....	....	....	....	....	....	.88
Piedmont	do	....	....	....	....	....	....	.20	T.	....	....	.07	T.	....	....	....	....	....	T.	T.	....	.05	.03	....	.01	.59	T.	....	....	....	....	....	.95
Romney	do	.10	....	....	....	....	....	.35	T.	....	....	.25	....	....	....	T.	....	....	12	T.	....	.05	.05	....	.05	.90	....	....	....	....	....	....	1.87
Spruce Knob 1	do	....	T.	....	....	....	....	.09	....	T.	....	.01	....	.31	T.	.12	T.	....	....	....	.04	.02	.45	.11	....	.72	.14	....	....	....	....	.19	2.23
Stony River Dam 1	do	.05	....	....	....	....	....	.20	....	....	....	.20	....	.20	....	.10	....	.25	....	....	.20	.05	.15	....	....	.45	.10	.20	....	....	....	.10	2.25
Wardensville 1	do	.04	.04	....	....	....	....	.16	....	....	....	.03	....	....	....	T.	....	....	....	T.	.04	T.	.05	....	T.	.30	....	....	T.	....	....	T.	.66
Northern Division																																	
Aberdeen	West Fork	.14	....	....	T.	....	....	.14	T.	....	T.	.08	T.	.11	....	.03	....	....	....	.02	....	.16	.27	....	T.	.70	.06	.01	T.	....	....	.35	2.07
Alma (near)	Ohio	.31	....	....	....	....	....	.22	.02	....	.07	.07	.02	.03	.01	....	....	....	....	....	....	.21	.07	....	....	1.10	....	.02	....	....	....	.19	2.34
Benson	West Fork	.40	....	....	....	....	....	.20	.01	....	.04	.10	.10	.08	....	.01	....	....	....	....	....	.20	.33	....	....	.68	.04	.05	.03	....	....	.32	2.59
Bens Run	Ohio	.40	....	....	T.	....	....	.20	.01	....	.10	.07	.11	.05	T.	T.	....	....	....	....	....	.36	.06	....	T.	.08	....	.05	....	....	....	.43	1.92
Brownsville	West Fork	.15	....	....	....	....	....	.10	....	....	....	.18	.02	.04	....	....	....	....	....	.04	....	.25	.31	....	....	.67	.02	....	....	....	.32	....	2.10
Buckhannon	Tygart	.15	....	....	T.	....	....	.20	T.	....	T.	.10	....	.15	....	T.	....	T.	....	.25	....	.27	.34	....	....	.55	.20	....	T.	....	T.	T.	2.21
Cairo	Litl Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg 1	West Fork	.24	....	....	.02	....	....	.24	T.	....	....	.09	....	.08	....	....	....	....	....	....	....	.01	.29	....	....	.60	.03	.03	....	....	....	.10	1.73
Crawford	do	.13	....	....	....	....	....	.14	....	T.	....	.10	.04	.08	....	T.	....	....	....	.15	....	.35	.29	....	....	T.	T.	....	....	....	....	.28	2.27
Creston 1	Litl.Kanawha	.40	....	....	....	....	....	.33	.05	T.	....	.01	....	.03	T.	T.	....	....	....	....	T.	.11	.55	....	....	1.13	.11	.02	T.	T.	....	.20	2.94
Dam 10, Mon. R. 1	Monongahela	.43	.06	....	T.	.02	....	.25	....	.01	....	.10	.03	.04	.01	.01	.01	....	....	....	....	....	.27	....	....	.60	.06	.01	T.	T.	....	.25	2.16
Dam 13, O. R. 1	Ohio	.40	....	....	T.	T.	....	.11	.02	T.	.01	.15	.02	.03	....	T.	T.	....	....	....	....	T.	.40	....	....	.45	.01	.01	....	....	....	.40	2.01
Dam 15, Mon. R. 1	Monongahela	.38	....	....	T.	.03	....	.31	....	T.	....	.10	.02	.04	....	....	....	....	....	....	....	T.	.24	T.	....	.52	T.	.02	T.	T.	....	.24	1.90
Dam 19, O. R. 1	Ohio	.30	....	....	....	....	....	.14	T.	....	....	.05	T.	T.	....	T.	....	....	....	....	....	.08	.21	....	T.	.51	.10	.01	T.	....	....	.40	1.80
Dam 20, O. R. 1	do	.30	....	....	....	....	....	.14	....	....	....	.03	....	....	....	....	....	....	....	....	....	....	.40	....	....	.46	.01	....	....	....	....	.50	1.84
Davis 1	Cheat	....	....	....	....	....	....	.23	T.	.09	....	.05	.19	.18	.09	.19	.05	....	.17	.11	.06	.10	.08	T.	....	.24	.14	.16	T.	....	....	.18	2.31
Elizabeth(D'm 3 LK1	Litl.Kanawha	....	....	....	....	....	.21	....	....	....	....	....	T.	....	....	....	....	....	....	....	.05	.28	....	....	.76	....	....	....	....	....	.38	....	1.68
Elkins 2	Tygart	.16	....	....	T.	....	.11	.04	.01	....	T.	.10	.10	.12	.01	.09	....	T.	T.	.16	....	.51	.10	....	T.	.52	.01	.01	.02	....	....	.18	2.25
Fairmont 1	Monongahela	.03	....	.02	....	....	.34	T.	T.	....	.30	.05	.10	.02	.05	T.	....	T.	T.	....	.03	.22	.02	....	.50	.08	.05	.08	....	....	....	.05	1.94
Glenville 1	Litl.Kanawha	.37	....	....	T.	....	....	.28	T.	....	....	.07	.04	.03	....	.05	....	....	....	....	.06	.09	.48	....	....	.70	.04	T.	....	....	....	T.	2.21
Grafton	Tygart	.26	....	....	.01	....	....	.18	.02	....	.02	.14	....	.13	....	....	....	....	....	....	....	....	.32	.01	....	.02	.02	.72	.01	....	.01	.05	1.92
Hackers Creek	West Fork	....	....	....	T.	....	....	.28	T	....	T.	.13	.10	....	.10	..	....	....	....	....	....	.25	....	....	....	.56	.16	.11	....	....	.10	....	1.79
Hastings	Ohio	.68	....	....	T.	....	....	.22	.01	....	.13	.09	.04	.21	....	.02	....	....	....	....	....	.24	.15	.01	....	1.45	.05	.04	.02	....	....	.29	3.65
Horner	West Fork	.12	....	....	....	....	....	.05	.10	....	.05	.05	.03	....	....	.06	....	....	....	....	....	.50	....	....	....	.70	....	....	....	....	....	.31	1.97
Ireland	do	....	....	.03	....	....	....	....	....	....	.03	.16	....	.25	....	.02	....	....	....	.21	....	.42	.30	....	....	.72	.03	.02	.01	....	....	.37	2.57
Jackson's Mill	do	.26	....	....	T.	....	....	....	.30	....	....	.08	....	....	....	....	....	....	....	....	....	.34	.30	....	....	.54	T.	.01	....	....	.32	.01	2.16
Jane Lew	do	.25	T.	T.	....	....	....	.11	.01	....	....	.08	.03	T.	....	....	....	....	....	....	.01	T.	.20	.27	....	.70	....	....	.02	....	....	.19	1.87
Lost Creek	do	.33	....	....	T.	....	....	.21	T.	....	T.	.08	.09	.06	T.	.03	....	....	T.	....	....	.12	.21	....	T.	.75	.02	.04	T.	....	T.	.12	2.06
Mannington	Monongahela	.61	....	....	.02	....	....	.29	.07	....	.11	.12	.03	.11	....	.03	....	....	....	....	....	.24	.10	.01	T.	.88	.07	.06	.01	....	.01	.27	3.04
Morgantown	do	.30	T.	....	....	....	....	....	T.	....	T.	....	T.	T.	T.	T.	....	....	....	T.	.10	.20	.45	....	.45	.30	T.	T.	....	....	T.	T.	1.80
New Cumberland	Ohio	.15	....	....	.02	....	....	.05	.01	.01	.19	.10	.09	.02	....	T.	....	.03	....	....	....	.15	.11	....	.04	.63	.03	.01	....	T.	.23	.40	2.27
New Martinsville	do	.52	....	....	T.	....	....	....	T.	....	.25	....	.10	.05	T.	T.	....	....	....	....	....	.38	.06	....	.92	....	.20	....	....	....	....	T.	2.48
Parkersburg 2	do	.08	....	....	T.	....	.06	.06	T.	....	.02	.05	.05	T.	.02	T.	....	....	....	....	T.	.26	.01	....	.29	.42	T.	T.	T.	....	.27	.18	1.77
Parsons	Cheat	....	....	....	....	....	....	....	.10	.10	....	T.	....	.42	....	.10	....	T.	.10	....	....	*	1.14	....	....	....	....	....	....	....	T.	.15	2.11
Philippi 1	Tygart	.24	....	....	....	....	....	.32	....	....	....	.09	.12	....	....	....	....	....	....	....	....	.10	.47	....	....	.52	.04	.03	.02	....	....	.31	2.26
Pickens	do	.53	....	....	T.	....	....	T.	.20	....	....	.10	.27	.40	.10	.10	....	.23	.20	.15	.20	.07	.65	....	....	.45	.10	....	....	....	....	.66	4.41
Roanoke	West Fork	.05	....	....	T.	....	....	.01	T.	....	....	.07	.04	.03	....	....	....	....	....	.10	....	.24	.30	....	....	.51	.02	.01	.01	....	....	.33	1.72
Rockford	do	....	....	....	....	....	.52	T.	....	....	T.	.08	.03	.06	....	.03	....	....	....	....	....	.26	.24	....	T.	.66	.03	.02	....	T.	....	.30	2.23
Saint Marys 1	Ohio	.38	....	....	....	....	....	....	....	....	....	.15	....	.12	....	....	....	....	....	....	....	.08	.36	....	....	.88	.12	.03	....	....	....	.50	2.62
Terra Alta 1	Cheat	T.	....	....	....	T.	....	T.	T.	T.	....	.20	.10	.30	....	.17	....	....	.40	....	T.	T.	1.20	....	T.	.60	.20	.10	.60	....	....	T.	3.87
Thomas 1	do	.38	T.	....	....	....	....	.18	T.	.05	....	.05	T.	.18	T.	.05	T.	....	....	....	.05	T.	.70	....	....	.46	.08	.05	T.	T.	....	.20	2.43
Valley Chapel	West Fork	.30	....	....	.01	....	....	.25	T.	....	.01	.09	.04	.02	....	T.	....	....	T.	.01	....	.27	.32	....	T	.73	.10	T.	T.	....	....	.27	2.42
Vandalia	do	....	....	....	....	....	....	....	....	....	....	.22	....	....	....	....	....	....	....	....	....	.50	.28	....	....	.55	....	....	....	....	....	.10	1.65
Wellsburg	Ohio	.27	....	....	T.	....	....	.01	T.	....	.16	.07	.09	....	....	....	....	T.	....	....	....	.22	.20	....	T.	.46	....	T.	T.	....	.04	.40	1.92
West Milford	West Fork	.40	....	....	....	....	....	.38	....	....	.05	....	.06	.08	....	....	....	.02	....	....	....	.24	.30	....	....	.75	....	....	....	....	....	.28	2.56
Weston 1	do	.29	T.	.03	....	....	....	.19	.04	....	....	.10	....	.10	....	....	....	....	....	....	.05	.04	.44	....	....	.82	.25	.10	.02	....	....	.32	2.79
Wheeling (Dam 12) 1	Ohio	.47	....	....	T.	....	....	.09	T.	.01	.02	.16	.04	.02	....	T.	T	....	....	....	....	T.	.31	....	....	.46	T.	.01	T.	....	T.	.36	1.95
Woodlands 1	do	.49	....	....	T.	....	....	.12	.01	....	.10	.15	....	.10	....	....	....	....	....	....	....	.04	.32	.05	.02	.74	.12	.05	....	....	....	.36	2.67
Southern Division																																	
Arbovale 1	Greenbrier	.07	....	....	....	....	....	.21	T.	....	....	.05	T.	.20	....	.10	....	T.	....	.10	....	.20	.05	....	.33	T.	T.	T.	T.	....	....	.03	1.34
Bancroft	Gr. Kanawha	....	....	....	....	....	.38	....	....	....	.07	....	....	....	....	....	....	....	....	.04	.31	.43	....	....	.68	.02	T	T.	....	....	.39	T.	2.32
Beckley	New	.29	....	....	....	....	.08	.20	T.	....	T.	.12	.05	.06	T.	.04	....	.06	....	.11	.07	.78	.33	....	.03	.78	.15	T.	....	....	....	.28	3.43
Bluefield	do	.07	....	....	....	....	.02	.24	....	....	....	.13	....	.07	....	.02	....	....	....	.04	....	.53	.25	....	.18	.48	.02	....	....	....	....	.22	2.27
Camden-on-Gauley 1	Gauley	.15	.03	....	....	....	....	.25	.01	....	....	.10	....	.06	.03	.02	....	.04	....	....	....	.27	.69	.10	..	.53	.08	.01	....	....	....	.29	2.66
Charleston 1	Gr. Kanawha	.14	T.	....	....	....	....	.30	T.	....	....	.09	T.	T.	T.	....	....	.02	....	....	.03	.26	.44	.03	....	.60	.02	....	.01	....	....	.44	2.38
Clay 1	Elk	.18	....	....	T.	T.	....	.13	T.	....	....	.09	...	.03	T.	.01	T.	T.	T.	....	.08	.19	.42	.06	....	.51	.04	.03	.01	T.	....	.31	2.09
Dam 6, G. K. 1	Gr. Kanawha	.15	....	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	....	....	.04	.17	.50	.04	....	.76	.01	T.	....	....	....	.28	2.00
Flat Top	New	.11	....	....	....	....	.03	.21	.02	....	T.	.08	.08	.02	.02	.02	....	.05	....	.04	T.	.98	.36	....	.01	.45	.04	.01	.03	....	....	.28	2.84
Gary 1	Big Sandy	.04	.24	....	....	....	....	.30	....	....	....	.02	.14	....	....	....	....	....	.02	....	....	.43	.48	.56	....	.39	....	....	T.	....	....	.36	2.98
Greenbottom 1	Ohio	.24	....	....	....	....	....	.15	T.	....	....	.04	T.	....	T.	....	....	....	....	T.	....	.41	.37	....	T.	.56	.03	....	....	....	....	.53	2.33
Hinton 1	New	....	.17	....	....	....	....	.34	....	T.	....	.04	T.	.08	T.	T.	.01	.03	....	....	.01	.36	.55	.18	T.	.20	T.	T.	....	....	....	.08	2.05
Hogsett 1	Ohio	.31	....	....	....	....	....	.18	.01	....	....	.02	.01	....	....	....	....	....	....	....	....	.34	.48	....	....	.54	....	....	....	....	....	.42	2.31
Huntington	do	.18	....	....	....	....	T.	.12	T.	....	T.	.02	T.	T.	T.	....	....	....	....	T.	T.	.81	.08	....	....	.63	....	T.	....	....	....	.53	2.37
Institute	Gr. Kanawha	....	....	....	....	....	.04	.42	T	....	....	.11	.04	T.	T.	T.	....	T.	....	.04	.05	.56	.13	....	.02	.71	.04	T.	.01	....	....	.40	2.57
Kanawha Falls 1	do	T.	....	....	....	....	....	.20	....	....	....	.10	....	....	....	T.	T.	T.	....	....	....	.08	.30	.05	....	T.	.10	....	....	....	....	.10	.93
Kayford 1	New	.06	.01	....	....	....	....	.21	....	....	....	.14	.01	.04	....	.01	....	.03	....	....	....	.20	.50	.16	....	.60	.16	.01	.01	T.	....	.37	2.52
Lewisburg	Greenbrier	.15	....	....	....	....	.03	.31	....	....	....	.04	.02	.04	....	T.	....	T.	....	.05	.01	.82	.10	....	T.	.19	.02	....	T.	....	....	.08	1.86
Logan 1	Guyandot	.16	T.	....	....	....	....	.18	T.	T.	....	.12	T.	....	....	T.	T.	T.	....	....	T.	.30	.35	.13	....	.56	T.	T.	T.	....	....	.45	2.25
London 1	Gr. Kanawha	.10	.01	....	....	....	....	.18	....	T.	....	.12	....	.01	....	T.	....	T.	.04	....	.04	.08	.46	.09	....	.52	.04	T.	T.	T.	....	.23	1.92
Madison 1	Coal	.17	....	....	....	....	....	.20	....	....	....	....	....	....	....	.08	....	....	.01	....	....	.33	.30	.15	....	.65	.09	....	....	....	....	.45	2.43
Marlinton	Greenbrier	.09	....	....	....	....	....	...	.22	....	....	.05	.01	.05	....	....	....	.03	T.	.04	....	.56	....	....	.23	T.	T.	T.	....	....	....	.04	1.32
Point Pleasant 1	Ohio	.30	....	....	....	....	....	.18	....	....	....	.05	.03	.02	...	....	....	....	....	....	....	.27	.55	.04	....	.54	.03	.04	T.	....	....	.54	2.59
Rainelle	Gauley	.15	....	....	....	....	.02	.26	.03	....	....	.09	....	.09	.05	.04	....	.10	....	.07	....	.90	.25	.01	.30	.26	.06	.02	.02	....	....	.09	2.81
Ravenswood (Dam 22	Ohio	.20	....	....	....	....	....	.18	....	....	....	.05	T.	T.	....	....	....	....	....	....	....	.11	.38	.02	....	.50	....	....	....	....	....	.51	1.95
Richwood 1	Gauley	....	....	....	....	....	.25	.02	.05	....	.14	....	.12	.02	.05	.02	.03	.04	....	.02	.24	.72	.15	....	.40	.20	.05	.04	....	....	....	.04	2.60
Robertsburg 1	Gr. Kanawha	.25	....	....	....	....	....	.18	T.	....	....	.04	T.	T.	....	....	....	T.	....	T.	....	.30	.36	T.	....	.45	.01	T.	....	....	....	.41	2.00
Ryan	do	.20	....	....	.01	....	....	.40	.01	....	....	.05	.01	....	....	.01	....	....	....	.03	.02	.56	.04	....	....	.82	.02	.02	....	....	....	.38	2.58
Sharples 1	Coal	....	....	....	....	....	....	T.	T.	....	....	.10	T.	....	....	T.	....	....	.21	.40	....	.93	.52	....	....	.72	T.	....	....	....	....	T.	2.88
Spencer 1	Litl.Kanawha	....	....	....	T.	....	....	.37	T.	....	....	.03	.05	T.	....	T.	.02	....	....	T.	....	.18	.60	....	....	.87	.10	....	T.	....	.02	.20	2.44
Summersville 1	Gauley	T.	....	....	T.	....	....	.14	....	.05	....	.20	....	.08	...	.06	....	....	....	....	....	.10	.90	.20	....	....	.60	.30	.05	.03	....	.30	3.01
Sutton	Elk	.20	....	....	....	....	....	.15	.10	....	T.	T.	T.	T.	.15	.10	....	....	....	.10	....	.50	.30	....	....	.65	.10	.10	....	....	....	.35	2.80
Thornwood 1	Greenbrier	....	....	....	....	....	....	.38	....	....	....	.08	.12	....	.05	....	....	....	....	.13	.12	.40	....	....	.61	....	....	....	....	....	....	....	1.89
Union	New	....	....	.10	....	....	....	....	.45	....	....	.06	....	.05	....	....	...	....	....	.06	....	.68	.26	....	.10	.28	....	....	....	....	....	.15	2.19
Wayne 1	Twelvepole	.24	....	....	....	....	....	.20	....	....	....	.06	.01	....	....	.03	....	....	....	....	....	.39	.29	....	....	.82	T.	....	....	....	....	.58	2.62
White Sulp'r Spgs. 1	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	.60	.60	.40	.35	....	....	....	....	....	....	....	2.35
Williamson 1	Big Sandy	.17	.04	....	....	....	....	.35	.01	....	....	.12	.01	....	....	.02	....	.01	....	....	....	.30	.35	.25	....	.61	.08	.01	....	....	....	.49	2.82

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Supplemental Rainfall Data—Total, inches: Elk.... 2.17 Mt. Clare.... 1.93 Salem.... 2.64 Shinnston.... 2.21 Parsons No. 2.... 2.03 Winfield Locks.... 2.40

Daily Temperatures for January 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	53	35	47	35	41	52	54	30	28	30	33	33	24	30	26	49	45	42	33	45	50	42	52	47	38	29	21	30	45	59	29	38.9
	Minimum	34	26	13	19	22	15	15	15	8	5	22	10	15	8	10	15	22	21	14	14	20	30	30	28	29	2	2	3	0	24	26	16.7
Brandywine	Maximum	58	50	57	48	50	52	54	42	34	40	45	46	45	35	42	45	53	47	47	44	45	50	55	50	46	32	20	24	52	57	54	45.8
	Minimum	37	22	16	24	21	24	34	22	9	14	17	20	19	15	25	17	36	26	26	17	32	37	27	36	32	14	7	6	11	27	30	22.6
Kearneysville	Maximum	44	51	39	43	51	53	50	42	30	33	32	33	37	34	36	35	35	35	24	30	34	37	44	45	59	35	23	20	40	60	52	39.2
	Minimum	37	27	22	22	27	24	38	26	14	14	26	26	31	20	18	22	31	21	18	13	25	31	31	35	35	13	14	12	15	28	30	24.1
Martinsburg[1]	Maximum	43	52	43	43	52	53	50	40	32	32	32	47	35	35	38	38	37	30	25	35	36	40	55	60	55	45	25	26	43	47	50	41.1
	Minimum	38	28	28	25	28	25	25	27	15	16	17	25	27	25	25	30	28	22	17	16	15	32	30	30	35	18	16	16	16	17	26	23.8
McNeill	Maximum	53	50	46	43	53	54	51	41	37	46	44	40	38	35	35	41	40	48	26	46	40	41	59	56	58	42	21	24	54	67	61	44.9
	Minimum	36	18	14	18	16	14	37	20	10	8	28	23	29	14	20	12	28	23	20	9	27	33	29	23	35	15	7	7	7	21	30	20.4
Piedmont	Maximum	48	44	40	39	44	49	39	37	31	36	34	31	31	33	30	38	47	35	23	41	34	40	57	45	37	30	20	21	45	62	31	37.8
	Minimum	36	34	21	24	25	22	37	23	10	21	29	28	28	19	21	21	35	23	19	20	31	33	30	37	30	11	13	13	13	25	29	24.5
Romney	Maximum	49	44	47	41	50	53	50	52	29	37	37	33	44	35	32	40	46	46	24	37	37	39	39	47	47	32	21	19	46	57	57	40.9
	Minimum	30	30	25	23	25	20	23	26	13	13	27	28	30	20	24	20	33	22	20	17	33	29	36	28	32	15	15	16	11	23	31	23.8
Wardensville	Maximum	46	50	45	43	51	55	48	45	38	44	36	39	36	36	35	41	42	37	24	43	36	42	57	61	43	42	19	19	45	50	38	41.5
	Minimum	39	23	16	20	17	18	28	23	13	11	18	26	30	14	20	16	15	24	18	7	13	30	21	27	38	17	11	10	9	17	30	20.0
Northern Division																																	
Bens Run	Maximum	53	41	43	40	46	49	46	28	26	34	39	41	37	34	33	49	50	42	38	37	45	51	54	69	62	21	20	22	45	58	55	42.2
	Minimum	34	29	21	27	28	24	26	23	22	20	30	27	24	21	26	25	34	29	24	24	33	38	34	34	20	9	12	11	14	34	24	25.2
Buckhannon	Maximum	54	45	40	37	44	53	53	29	29	35	37	41	38	35	35	50	52	48	39	45	54	53	50	62	62	27	19	19	52	60	58	43.7
	Minimum	38	28	18	18	18	23	25	23	10	17	30	23	26	15	27	22	27	30	29	37	37	40	37	32	27	8	8	9	8	35	25	21.3
Cairo	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clarksburg[1]	Maximum	45	45	41	39	46	54	37	36	30	33	39	41	31	35	31	52	52	52	39	44	53	44	53	66	50	35	18	19	52	60	46	42.5
	Minimum	42	26	15	14	26	17	18	23	6	6	27	23	26	10	18	20	28	29	25	28	29	37	35	30	34	9	9	11	6	8	28	21.4
Creston	Maximum	52	53	53	52	52	52	52	50	49	45	49	49	43	42	41	45	50	50	46	45	55	55	55	54	49	49	39	39	55	55	55	49.4
	Minimum	32	21	11	20	17	24	18	24	4	15	30	29	26	16	21	19	30	29	20	26	44	40	37	30	20	7	10	10	8	29	25	22.
Elkins	Maximum	54	41	44	36	44	52	37	22	31	35	36	40	28	33	28	51	51	36	35	46	54	51	53	60	47	15	14	16	51	61	51	40.4
	Minimum	37	26	16	25	26	19	20	18	8	14	24	21	12	8	15	15	36	30	28	27	36	39	36	47	15	6	8	8	5	39	17	22.0
Fairmont	Maximum	51	45	43	41	49	57	37	34	33	33	37	41	32	35	31	49	48	48	38	43	52	43	55	65	51	34	20	22	47	59	45	42.5
	Minimum	43	28	18	19	27	23	23	24	9	9	26	25	26	18	19	22	29	26	25	28	30	39	36	34	34	8	8	10	10	15	27	23.2
Glenville	Maximum	60	47	45	44	50	53	50	28	37	36	38	44	43	40	38	53	55	51	40	45	54	54	58	69	67	31	20	25	55	62	61	46.9
	Minimum	39	23	15	24	18	18	21	19	8	16	29	23	27	17	24	21	34	33	21	29	37	43	37	31	24	8	10	11	8	31	26	23.4
Grafton	Maximum	59	45	44	45	49	60	57	30	33	33	36	42	40	38	36	53	53	50	38	48	54	54	57	64	65	39	28	20	54	64	58	46.4
	Minimum	39	24	15	23	26	20	27	23	7	15	30	23	26	14	25	18	35	27	27	30	35	40	36	31	25	9	10	11	8	30	26	23.7
Lost Creek	Maximum	58	42	42	42	45	54	50	35	32	31	34	39	39	34	34	50	46	46	36	40	51	52	52	64	64	25	15	19	50	60	60	43.3
	Minimum	39	30	12	21	25	16	35	23	5	12	31	20	26	13	25	29	34	29	25	28	35	40	33	28	25	7	10	9	5	41	25	23.7
Mannington	Maximum	52	43	37	37	44	51	48	28	28	32	38	41	37	35	34	45	46	44	38	42	51	52	49	65	64	23	20	19	43	57	56	41.9
	Minimum	39	24	14	21	24	18	25	23	2	13	29	22	26	12	20	15	32	26	23	21	32	39	31	28	23	8	10	10	7	28	27	21.7
Morgantown	Maximum	45	45	44	42	40	44	40	38	42	37	35	38	40	36	33	38	38	40	45	44	45	45	45	45	44	23	21	19	38	40	33	39.0
	Minimum	33	34	32	18	34	33	25	18	33	28	33	30	33	16	18	30	33	33	28	30	34	38	36	38	21	2	6	10	14	18	25	26.3
New Cumberland	Maximum	52	41	39	37	46	50	46	44	42	36	39	40	37	37	35	42	38	32	31	36	36	40	51	65	63	53	50	22	41	52	49	42.6
	Minimum	38	34	21	28	29	42	26	22	4	21	29	24	26	16	22	24	31	18	16	16	29	36	33	31	20	7	12	12	16	36	22	23.9
New Martinsville	Maximum	52	43	42	40	18	52	48	29	30	33	39	42	38	35	33	50	49	40	39	38	42	50	54	68	55	24	20	18	42	52	47	41.7
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Parkersburg	Maximum	45	38	42	41	49	52	39	28	32	35	41	45	35	34	33	51	52	36	39	39	55	44	52	69	47	18	19	22	53	60	40	41.5
	Minimum	37	24	20	29	31	28	25	16	11	25	32	31	26	23	27	28	33	28	24	24	38	39	37	47	14	8	11	12	18	40	19	26.0
Parsons	Maximum	45	57	52	46	47	54	54	45	25	36	34	36	40	32	35	51	47	43	42	50	53	53	59	61	43	38	19	17	45	65	56	44.5
	Minimum	38	27	27	25	27	28	20	25	21	11	15	20	30	24	10	10	35	27	26	27	35	42	35	33	22	9	9	9	5	26	23	23.3
Pickens	Maximum	53	49	45	36	41	52	42	33	28	33	34	36	29	32	28	46	47	41	39	42	50	45	52	55	56	16	10	23	47	55	38	39.8
	Minimum	30	25	12	24	18	21	19	14	1	13	24	15	10	9	16	10	34	29	20	27	35	25	30	37	10	0	1	3	4	37	10	18.2
Wellsburg	Maximum	53	43	37	36	52	47	47	28	27	33	38	40	37	37	35	45	43	34	32	40	38	40	49	66	63	22	20	20	41	53	41	39.9
	Minimum	36	27	17	22	19	33	25	22	2	15	28	21	26	13	23	17	31	20	14	12	28	33	30	30	22	7	11	12	12	28	22	21.
Weston	Maximum	45	43	45	44	49	52	50	30	31	34	36	41	40	36	35	50	49	46	37	43	53	52	46	66	63	29	18	19	52	60	58	43.0
	Minimum	40	28	17	26	29	20	29	24	10	17	31	23	27	16	26	23	41	31	29	27	38	42	35	32	28	8	11	12	10	40	30	25.8
Wheeling	Maximum	44	40	38	38	45	50	38	38	27	33	37	38	33	35	32	43	36	32	33	35	40	42	52	67	50	33	19	25	49	53	49	39.5
	Minimum	40	32	20	21	30	27	28	24	7	9	26	26	28	19	22	26	30	22	20	19	19	34	33	32	33	9	10	11	13	24	28	23.3
Southern Division																																	
Beckley	Maximum	52	44	52	43	47	49	40	29	38	37	36	40	39	36	30	51	55	51	38	45	52	53	56	60	47	23	15	21	53	44	58	43.
	Minimum	33	21	12	25	19	19	25	16	6	16	28	24	22	17	19	20	41	24	27	29	37	45	29	38	20	4	1	3	10	18	34	22.
Bluefield	Maximum	54	48	53	46	48	47	40	28	38	40	38	45	38	32	30	55	58	55	39	50	54	54	55	57	57	23	18	22	49	58	39	44.
	Minimum	39	25	18	30	24	25	28	18	13	17	29	28	23	19	22	19	33	35	28	31	41	48	33	37	23	8	2	5	14	22	30	24.
Charleston	Maximum	47	48	44	44	50	53	52	41	43	45	41	49	40	44	35	48	60	46	41	57	57	50	57	72	57	37	20	25	55	60	32	46.
	Minimum	41	38	23	24	27	26	26	28	28	25	16	30	31	25	27	28	30	29	28	31	32	43	43	41	34	12	11	12	15	20	20	27.
Gary[1]	Maximum	52	51	54	45	53	50	38	36	40	44	40	46	40	39	31	56	62	54	43	53	57	55	62	69	52	33	20	25	55	62	33	46.
	Minimum	40	27	19	20	19	19	21	25	14	16	23	26	30	22	24	24	31	35	32	33	35	44	35	36	33	13	9	9	11	14	31	24.
Hinton[1]	Maximum	49	51	51	49	55	46	40	31	42	48	41	45	43	39	31	48	61	54	37	45	50	56	61	62	37	21	28	29	61	66	36	45.
	Minimum	39	25	20	22	20	19	28	24	14	14	24	24	29	20	23	23	31	34	33	29	31	39	37	35	35	13	9	10	11	14	29	24.
Huntington	Maximum	60	47	43	47	53	49	42	33	39	40	41	47	42	40	36	55	59	49	40	42	56	56	51	72	68	23	20	31	57	62	60	47.
	Minimum	41	28	20	30	28	21	29	26	13	22	33	30	31	23	27	31	45	34	29	26	40	44	38	44	23	10	11	14	19	42	26	28.
Lewisburg	Maximum	53	43	41	39	45	46	41	41	31	39	38	42	40	34	42	44	55	48	44	38	45	54	52	56	57	29	16	19	49	55	48	42.
	Minimum	38	30	23	28	27	21	31	22	10	20	31	27	25	21	24	21	36	34	30	32	35	45	35	41	28	11	10	9	12	31	25	26.
Madison	Maximum	63	47	47	43	44	50	37	38	30	33	44	40	46	39	42	58	60	54	54	45	53	57	52	57	73	35	19	19	27	60	61	46.
	Minimum	41	27	20	19	21	21	30	26	12	15	24	27	31	22	27	27	35	35	27	28	31	47	36	37	33	11	10	10	14	20	26	25.
Marlinton	Maximum	49	42	45	41	48	49	48	42	34	42	38	36	36	35	30	48	59	51	43	41	45	52	53	56	55	28	17	20	50	57	58	43.
	Minimum	36	28	16	21	19	20	15	32	9	11	30	20	20	15	18	18	15	30	28	26	32	40	35	28	25	9	6	7	8	31	7	21.
Point Pleasant	Maximum	58	45	47	46	53	51	47	33	34	40	45	47	44	42	40	53	57	53	41	44	56	54	54	74	69	33	21	26	56	61	60	47.
	Minimum	40	26	18	25	27	23	26	25	10	20	30	28	28	21	27	26	38	32	24	22	36	40	36	39	24	9	12	14	16	34	26	25.
Rainelle	Maximum	60	44	48	34	47	46	40	27	36	40	43	41	45	32	35	45	53	53	45	41	44	53	54	57	43	21	17	21	55	60	52	43.
	Minimum	35	20	13	22	15	14	26	19	6	10	30	21	23	13	20	14	32	31	28	26	34	43	34	36	21	6	5	5	1	23	21	20.
Ravenswood	Maximum	44	45	41	40	47	48	49	46	34	37	40	43	44	42	38	51	53	52	39	42	53	52	54	69	70	24	21	24	55	58	58	45.
	Minimum	40	24	17	26	24	24	25	25	10	20	31	27	29	21	27	26	38	29	23	23	36	40	38	40	24	10	12	14	19	37	24	25.
Richwood	Maximum	44	30	50	27	22	34	24	22	22	32	40	34	26	22	34	38	42	41	38	42	48	44	42	38	32	20	8	12	48	54	40	33.
	Minimum	28	18	22	19	19	20	20	8	7	19	24	24	15	18	17	23	34	31	30	29	36	36	35	31	12	6	7	7	10	31	14	21.
Robertsburg[1]	Maximum	44	42	43	48	47	50	37	32	27	42	40	47	37	40	36	53	55	53	37	41	58	45	54	66	54	33	16	22	50	61	49	43.
	Minimum	40	25	16	17	22	21	23	25	9	10	27	25	30	25	25	25	30	31	26	25	26	41	37	39	33	11	11	12	14	20	28	24.
Ryan	Maximum	46	43	46	43	50	50	46	26	32	40	37	42	38	40	34	53	53	38	38	40	55	52	54	70	65	24	17	24	54	62	59	44.
	Minimum	34	21	14	22	17	17	25	24	7	15	30	22	25	17	27	20	25	30	21	30	36	43	33	34	24	8	10	12	12	29	26	22.
Spencer[1]	Maximum	46	44	43	41	51	51	35	30	35	39	40	44	38	40	50	59	55	37	38	46	55	47	55	69	34	17	18	19	55	60	29	42.
	Minimum	39	26	16	25	25	20	35	21	9	17	32	24	29	19	27	37	35	32	23	29	35	42	37	49	33	8	10	13	15	21	27	26.
Sutton	Maximum	62	44	47	47	49	53	53	29	34	41	41	44	44	40	40	53	53	52	35	47	54	54	55	65	65	28	17	24	55	60	60	46.
	Minimum	35	22	16	24	20	18	27	24	9	14	30	24	27	17	25	18	39	33	25	32	36	38	37	32	26	8	10	11	9	30	26	23.
Union	Maximum	50	45	51	49	48	48	44	32	40	41	41	39	39	37	34	51	55	56	41	40	47	51	54	55	57	28	17	19	52	52	55	44.
	Minimum	39	25	15	24	23	19	32	21	11	14	30	21	25	18	23	17	35	31	28	30	36	37	32	30	27	9	4	6	8	18	25	23.
White Sulphur Spgs.	Maximum	47	51	42	43	50	41	38	36	36	40	40	36	32	34	29	50	47	46	37	41	50	53	53	42	36	35	18	20	52	56	40	41.
	Minimum	43	20	14	15	19	15	15	20	9	10	14	22	25	15	18	11	21	32	28	23	31	37	30	32	34	12	10	8	5	6	36	20.
Williamson[1]	Maximum	48	50	51	47	53	47	37	37	37	45	42	48	41	41	35	59	64	55	49	49	58	55	60	73	57	34	21	28	56	62	43	47.
	Minimum	44	27	23	23	23	23	24	27	17	17	26	28	31	25	28	28	32	37	31	31	34	45	37	37	32	13	10	10	14	21	30	26.

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., FEBRUARY 1938 NO. 2

GENERAL SUMMARY

The month, with an average temperature of 40.9° was the second warmest February of State record, or since 1890. The warmest of record occurred in 1932, when the average was 41.6°, and the highest daily reading of 86° was established. The lowest temperature reported was four degrees. In most years, a temperature of zero or below has been recorded. The precipitation averaged practically normal and was well distributed over the State and throughout the month, a single day, the 5th, being without precipitation. Amounts exceeding an inch occurred on the 11th and 20th, over scattered areas. The snowfall was about one third of the normal, occurring mostly during the last week. Greatest depth reported was 20 inches in upper Tygart Valley. Freezing rain and sleet storm glazed highways in mountain counties on the 27th and made travel extremely hazardous. In Tucker county much damage was done to telephone wires and poles. Hailstorm on the 21st in Gilmer, Harrison and Ritchie counties, caused damage to roofs and automobile tops. The Ohio river was at moderately high stage during the middle of the month. The weather during the month was favorable for winter grains, but unfavorable for outdoor activities.—*H.C.D.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 53 stations, was 40.9°, or 7.6° above the normal. The mean for the northeastern panhandle division was 38.6°; for the northern division, 40.4°; and for the southern division 41.9°. The highest monthly mean temperature was 45.6° at Williamson, and the lowest, 32.6° at Terra Alta. The highest temperature was 76° at London and Robertsburg on the 19th, and the lowest, 4° at Pickens, Terra Alta and Wellsburg on the 1st. The greatest daily range was 51° at Bayard on the 17th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 101 stations, was 3.01 inches, which is 0.10 inch below the normal. In the northeastern panhandle division the average was 1.76 inches; in the northern division, 3.37 inches; and in the southern division 2.87 inches. The greatest monthly precipitation was 5.85 inches at New Martinsville, and the least 0.64 inch at McNeill. The greatest amount in any 24 consecutive hours was 2.10 inches at New Martinsville on the 20th. The average monthly snowfall, 2.9 inches, was 5.6 inches below normal. Average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense					2			6		4	2	4				1	1		2	1	1		3				1				
Gales						1	1																	1	1		2	3			
Glaze																										1					
Hail																		1	12	5											
Halos, lunar													1		2	1															
Halos, solar		2			1	1							1		1																
Sleet	1					1	1				5	2								2	2						3	1			
Thunderstorms						1					2	4		1				2	19	10											

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.21	30.72	1	29.56	26	9.3	24	nw.	27	83	74	73	28
Columbus, Ohio	30.20	30.76	1	29.53	27	10.9	29	w.	6	81	75	74	33
Elkins	30.23	30.76	1	29.49	19	7.3	30	w.	6	85	68	70	42
Parkersburg	30.20	30.76	1	29.48	19	7.4	25	w.	6	83	70	71	36
Pittsburgh, Pa	30.19	30.74	1	29.43	27	11.5	33	w.	6	81	68	74	31
Wytheville, Va	30.22	30.64	8	29.56	27	7.8	25	w.	27	85	66	73	30

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	......	......	2.09	5.23	5.79	5.39	......	......	......	......	......
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	......	......	......
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	......	......	......
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	22.8	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	−35	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	.86	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	5.99	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	41.6	86	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
Period	33.3	86	−35	2.42	3.21	3.19	3.11	8.5	10	9	6	13

Climatological Data for February 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	34.0	+4.4	68	18	9	2	51	2.57	−0.93	0.72	7.0	10	7	6	15	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	41.0	+6.3	70	13	12	1	40	.95	−.81	.35	T.	4	9	0	19	s.	E. L. Keister
Harpers Ferry	Jefferson	244	49	......	......	......	......	......	......	....	2.23	−.03	1.20	1.5	9	....	....	....	......	Miss Eleanor White
Kearneysville	Jefferson	548	8	38.8	......	70	18	16	28	39	1.72	....	.61	......	5	6	14	8	se.	University Exp. Station
Martinsburg	Berkeley	435	46	38.0	+6.6	70	†6	15	28	48	1.59	−.81	.35	3.0	9	19	6	3	ne.	Dr. H. S. Gardner
McNeill	Hardy	800	42	41.2	+8.9	74	6	14	†2	50	.64	−1.49	.20	T.	5	3	11	14	w.	R. E Saville
Piedmont	Mineral	1,053	25	37.6	+3.8	73	18	15	1	39	.83	−1.41	.28	2.0	7	5	9	14	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	38.9	+4.7	74	6	17	†1	38	.96	−.94	.30	T.	8	11	7	10	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	......	......	......	......	......	......	....	3.45	....	1.02	10.0	14	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	18	......	......	......	......	......	......	....	3.35	+.50	.70	9.5	11	1	4	23	w.	A. C. Becker
Wardensville	Hardy	1,200	17	39.6	+5.8	70	18	15	†1	50	1.03	−.68	.50	T.	5	6	10	12	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	......	......	......	......	......	......	....	3.81	+.71	1.39	2.4	15	3	9	16	w.	L. Else Bond
Alma (near)	Tyler	800	11	......	....	......	......	......	......	....	1.97	−.29	.58	1.0	14	3	4	21	......	H. W. & T. J. Furbee
Benson	Harrison	1,080	14	41.0	+3.0	71	18	6	1	45	3.31	−.40	1.08	.5	16	5	9	14	......	R. D. Marts
Bens Run	Tyler	652	36	40.6	+7.8	67	†13	14	†1	42	2.13	−.98	.45	1.5	13	12	3	13	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	......	......	......	......	......	......	....	3.68	+.61	.55	.9	14	1	15	12	......	W. B. Worley
Buckhannon	Upshur	1,411	41	42.2	+9.1	70	18	11	1	43	3.36	−.40	1.35	1.5	9	7	11	10	......	H. A. Darnall
Cairo	Ritchie	680	37	42.4	+8.2	72	†13	10	1	39	3.20	+.23	1.07	.3	11	4	6	18	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	39.9	+5.3	71	18	10	1	48	3.24	+.20	1.75	1.5	15	2	6	20	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	......	......	....	......	......	......	....	3.16	−.16	.93	1.5	15	2	7	19	nw.	George W. Blair
Creston	Wirt	640	36	......	......	71	19	9	1	....	3.05	−.14	1.05	1.0	13	5	11	12	......	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17	......	......	......	......	......	......	....	3.33	+.46	.83	2.6	17	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	22	......	......	......	......	......	......	....	3.22	+.79	1.24	.2	15	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	17	......	......	......	......	......	......	....	4.13	+1.14	1.75	1.5	15	....	...	....	......	Lockmaster
Dam 19 O. R.	Wood	600	22	......	......	......	......	......	......	.. .	2.78	+.21	.65	.1	14	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	22	......	......	......	......	......	......	....	2.13	−.63	.68	T.	12	....	....	....	......	Lockmaster
Davis	Tucker	3,093	29	......	... ..	......	......	......	......	....	3.29	−.18	.85	14.0	10	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K).	Wirt	615	26	......	......	......	......	......	......	....	2.62	−.24	.70	1.4	10	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	37	39.1	+7.5	68	18	11	1	41	3.48	+.40	1.12	13.4	16	1	6	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	32	39.2	+6.1	72	18	10	1	45	4.21	+2.19	1.95	2.8	18	4	6	18	w.	J. C. Robinson
Glenville	Gilmer	738	44	44.6	+10.0	75	19	10	1	46	3.61	+.04	.74	1.3	14	2	15	11	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	43.8	+11.2	74	18	10	1	48	2.10	−.81	.76	1.7	7	8	10	10	......	L. W. Clayton
Hastings	Wetzel	809	3	......	......	......	......	......	......	....	4.05	....	1.50	1.5	18	5	4	19	w.	L. G. McIntyre
Horner	Lewis	1,044	15	......	......	......	......	......	......	....	3.13	−.52	1.24	.0	6	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	15	......	......	......	......	......	......	....	3.14	+.37	1.09	.0	15	....	...	....	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	41.8	+9.1	67	13	6	1	42	3.91	+.83	1.18	1.7	17	3	7	18	w.	Allen Smith
Mannington	Marion	974	35	40.3	+7.5	70	18	8	1	40	4.06	+1.16	1.37	2.8	18	4	4	20	w.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45	......	......	......	......	12	28	....	3.75	+1.19	.55	6.0	14	10	4	14	......	Bruce Davis
New Cumberland	Hancock	671	40	39.7	+10.6	70	13	10	1	43	2.48	+.04	.91	.9	16	3	2	23	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	......	......	68	14	......	......	....	5.85	+3.01	2.10	1.2	15	6	5	17	u.	Wm. Ankrom
Parkersburg	Wood	615	51	41.0	+6.8	70	13	14	1	34	2.45	−.68	.53	1.1	15	2	5	21	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	40.2	+8.5	72	18	13	1	42	4.12	+.60	1.55	12.0	10	6	10	12	......	J. W. Swisher
Philippi	Barbour	1,550	41	...	......	......	......	......	......	....	3.06	−.12	.74	3.0	14	....	....	....	......	H. F. Brittingham
Pickens	Randolph	2,697	35	37.0	+5.1	64	18	4	1	37	5.66	+.57	1.14	19.0	14	8	7	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	......	......	......	......	......	......	....	3.02	−.36	.95	2.0	16	2	8	18	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	30	......	......	.....	......	....	......	....	2.50	−.43	.54	.0	14	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	37	32.6	+3.8	67	19	4	1	36	2.69	−.90	1.20	10.0	8	6	6	16	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	......	......	......	......	......	......	....	3.66	......	.72	7.7	16	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	15	43.4	+4.9	71	†13	10	1	41	3.50	+.43	1.12	.7	13	8	7	13	w.	J. C. Campbell
Vandalia	Lewis	1,120	15	......	......	......	......	......	......	....	3.21	+.19	1.07	2.5	8	....	....	....	......	James B. Kelley
Wellsburg (near)	Brooke	668	31	38.4	+8.4	69	13	4	1	42	2.67	+.48	1.01	T.	15	5	6	17	......	George P. Pfister
West Milford	Harrison	979	13	......	......	......	......	......	......	....	3.77	+.44	1.75	.0	12	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	43	43.4	+9.5	72	18	13	1	41	3.68	+.08	1.05	2.5	15	0	15	13	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	37.6	+5.5	64	†5	10	†1	43	3.23	+.94	1.16	2.4	17	3	7	18	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	......	......	......	......	......	......	....	2.53	−.34	1.06	5.5	11	4	7	17	sw.	H. S. Sutton
Bancroft	Putnam	574	34	44.9	+10.0	74	13	18	25	40	2.81	−.28	.76	T.	12	5	7	16	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	39.4	+4.7	69	19	8	1	36	3.87	+.92	.68	5.0	15	1	12	15	......	L. A. Mauck
Bluefield	Mercer	2,558	43	41.6	+6.8	65	12	12	1	39	1.94	−.99	.45	2.2	11	6	6	16	......	Norfolk & Western Ry.
Charleston	Kanawha	602	35	43.8	+4.6	72	†6	15	1	44	3.08	−.23	1.08	T.	14	10	3	15	......	Charleston Daily Mail
Clay	Clay	790	22	......	......	......	......	......	......	....	3.21	−.05	.89	1.4	16	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,260	..	38.0	.....	66	13	8	1	27	2.98	....	.63	10.6	16	....	....	....	.... .	U.S. Airway Station
Gary	McDowell	1,426	22	44.0	+6.1	71	19	17	†1	45	2.57	−.57	.45	.5	15	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	41.7	......	71	12	13	1	43	2.35	....	.43	.6	11	4	13	11	sw.	State Forest Nursery
Hinton	Summers	1,431	41	41.2	+5.7	73	19	11	2	45	2.37	−.52	.60	T.	15	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	22	......	......	......	......	......	......	....	1.79	−1.14	.76	.5	12	....	....	....	......	Lockmaster
Huntington	Cabell	571	41	44.9	+10.2	71	†12	16	1	39	2.29	−.79	.93	.7	12	3	12	13	nw.	H. N. Robinson
Institute	Kanawha	616	..	44.6	......	72	†12	10	1	41	3.02	....	1.39	1.0	16	....	....	....	......	U.S. Airway Station
Kanawha Falls	Fayette	618	19	......	......	......	......	......	......	....	2.90	+.26	.90	T.	10	....	....	....	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	22	......	......	......	......	......	......	....	4.12	+.68	1.20	3.0	16	....	....	....	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	38	41.7	+8.4	66	13	15	1	30	1.69	−1.10	.65	2.0	11	5	9	14	......	J. K. Monroe
Logan	Logan	700	35	......	......	......	......	......	......	....	3.09	−.41	.72	2.0	14	....	....	....	......	Paul A. Simonds
London	Kanawha	623	2	45.3	......	76	19	14	2	43	3.22	....	.82	T.	15	5	0	23	se.	Lockmaster
Madison	Boone	675	17	43.0	+6.4	75	20	11	†1	42	3.19	−.04	.76	......	12	5	5	18	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	40.1	+8.3	67	13	11	8	44	2.02	−1.28	.84	3.0	11	5	11	12	......	U. S. Forest Service
Point Pleasant	Mason	595	45	43.6	+10.2	70	13	12	1	41	2.46	−.69	.39	.5	18	6	8	14	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	39.8	......	71	7	10	1	43	3.85	....	1.00	10.0	13	6	2	20	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	42.6	+3.8	65	13	13	1	41	1.90	−1.07	.29	.5	12	6	3	19	nw.	Lockmaster
Richwood	Nicholas	2,193	8	34.6	......	60	10	6	28	36	3.57	....	1.15	7.0	13	6	10	12	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	42.2	+8.1	76	19	12	1	45	2.89	−.15	.89	1.0	13	5	0	23	......	M. Frazier
Ryan	Roane	700	35	41.6	+7.3	70	†5	7	1	45	2.64	−.64	.78	2.5	15	6	8	14	......	Wm E. Ryan
Spencer	Roane	789	34	43.4	+8.2	72	19	11	1	41	3.23	+.08	.81	2.0	14	2	11	15	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	....	4.18	....	1.15	T.	13	....	....	....	......	Mrs. Anna Taylor
Sutton	Braxton	850	32	43.3	+7.2	72	†19	12	†1	43	4.15	+.71	.85	6.0	13	14	0	14	......	C. B. Eakle
Union	Monroe	2,250	34	39.6	+4.4	66	13	11	28	37	1.36	−1.49	.40	......	9	5	8	15	......	C. B. King
Wayne	Wayne	598	11	......	......	......	......	......	......	....	3.06	+.14	.66	.6	12	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs.	Greenbrier	1,914	28	38.2	+2.7	67	19	9	8	46	1.70	−.93	.90	......	4	14	1	13	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	38	45.6	+8.2	73	13	16	†1	44	2.65	−.70	.45	7.0	15	5	10	13	se.	J. E. Dotson
State averages and	extremes	......	....	**40.9**	**+7.6**	**76**	**19**	**4**	**1**	**51**	**3.01**	**−.10**	**2.10**	**2.9**	**12**	**5**	**7**	**16**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates.

Daily Precipitation for February 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac							.33	.10		.12			.72						.37				.11	.10	.10	.10		.52				2.57
Brandywine	do											.30	.35							T.	.15			.15		T.	T.	T.	T.				.95
Harpers Ferry[1]	do				.04			.05			.07		.32	.28						T.	1.20			.10	.14			.03					2.23
Kearneysville	do			T.				.19				.33		.41						T.	.61			.18	T		T.						1.72
Martinsburg[1]	do	T.						.30			.05		.35	.32						T.	.35			.08	.11		.01	.02	T.				1.59
McNeill	do			T.						T.	T.	.13	.15	.20	T.					T.	.12			.04		T.	T.		T.				.64
Piedmont	do			.06			.12					.28	.07							.03		.25		.02			T.						.83
Romney	do			.10				.10		.02		.08		.30	.05						.19			.12	T.		T.						.96
Spruce Knob[1]	do	.12			T.			.24	.08		.34	T.	1.02		.33	.18				T.	.23			.27	.21	.09	.19	.04	.11				3.45
Stony River Dam[1]	do				.45			.15			.15	.05	.18	.37	.15						.35			.70		.30			.50				3.35
Wardensville[1]	do							T.			T.	T.	.50	.13								.28		.07	.05								1.03
Northern Division																																	
Aberdeen	West Fork			.04				.37		T.	.38	.43	.22		.08				T.	.16	1.39	T.	.01	.25	.05	.05	.07	.09	.22				3.81
Alma (near)	Ohio			.04			.16				.15	.28	.16		.03				.04	.58	.19		.12		.06	.03	.04	.09					1.97
Benson	West Fork			.05			.01	.30			.43	.40	.21		.04				.34	1.08			.02	.12	.05	.07	.07	.07	.05				3.31
Bens Run	Ohio			.12			.45	.20			.20	.35	.04					.06	.21				.17	.06	T.	.03	.12	.12					2.13
Brownsville	West Fork							.36			.31	.55	.25	.30	.30					.15	.40		.10	.25		.40	.10	.10	.11				3.68
Buckhannon	Tygart			.15								1.35	.20						T.	.20	.90			.36	T.	.05	.05	.10	T.				3.36
Cairo	Litl Kanawha			.03			.34				.37	.42			.05					.36	1.07		.05	.07		.03			.41				3.20
Clarksburg[1]	West Fork			.02	.05			.27			.20	.02	.34		.03					.23	1.75			.10	.05	.01	.03	.03	.11				3.24
Crawford	do			.02				.20			.32	.64	.05		.14					.10	.93		.06	.34	.11	.05	.15	.04	.01				3.16
Creston[1]	Litl.Kanawha			.06			.31			.25		.08	.50					T.	.17	1.05	T.		.23	.04	.09	.04	.15	.08					3.05
Dam 10, Mon. R.[1]	Monongahela	.04			.10			.53	.01		.40		.28	.45	.04				.01	.23	.83			.10	.05	.04	.03	.02	.17				3.33
Dam 13, O. R.[1]	Ohio				.07			.72			.14		.08	.21	.01				.06	.43	1.24	.01		.17	.02	.01	.02		.03				3.22
Dam 15, Mon. R.[1]	Monongahela	.03			.10			.38			.32		.48	.34	.07				T.	.24	1.75	T.		.13	.06	.03	.05	.04	.11				4.13
Dam 19, O. R.[1]	Ohio			.06	.07			.50			.20	.09	.51	T.	.07				.03	.65	.35		T.	.20	T.	T.	.01	.02	.02				2.78
Dam 20, O. R.[1]	do			.06	.08						.06	.02	.68		.12				.04	.38	.30			.32	T.	T.	T.	.05	.02				2.13
Davis[1]	Cheat				.21					T.			.85	.18	.41					.50					.10	.30	.41	.09	.24				3.29
Elizabeth(D'm 3 LK[1]	Litl.Kanawha		T.	.10			.43			.13	.12	.52		.04				T.	.22	.70			.22	T.			.14	T.					2.62
Elkins[2]	Tygart	T.		.11			.21	.10		.22	.21	1.12	T.		.06				T.	.39	.18	T.	.04	.10	.09	.19	.12	.28	.06				3.48
Fairmont[1]	Monongahela		.19	.05			.39	.03		.27	.11	.28	.22	.04				T.	.22	1.95			.14	.03	.15	.05	.04	.03	.02				4.21
Glenville[1]	Litl.Kanawha			T.	.26			.35			.14	.07	.56		.21					.23	.74			.26	.07	.14	.21	.28	.09				3.61
Grafton	Tygart			.03				.35					.59							.18	.76	T.	T.	T.	T.	.07	T.	T.	.12				2.10
Hackers Creek	West Fork			.07			.29				.45	.43	.18	.01					.01	.51	1.30		.01	.20	T.	.05	.10	.10					3.71
Hastings	Ohio			.10	T.		.07	.53			.37	.27	.02	.12	.04				.04	.42	1.50		.02	.22	.03	.03	.05	.16	.06				4.05
Horner	West Fork			.10								1.24									1.11	.28						.30	.10				3.13
Ireland	do							.17			.39	.62							.11		1.31		.04			.03	.22	.34					3.23
Jackson's Mill	do										.52	.13									.90	T.		.02	.14	.03							1.74
Jane Lew	do			.03					.34	T.	.35	.42	.22	T.	.04					.20	1.09		.04	.18	.02	.03	.06	.06	.06				3.14
Lost Creek	do			.15			.04	.20		T.	.49	.45	.12	T.	.08				T.	.68	1.18		.03	.18	.03	.04	.05	.16	.03				3.91
Mannington	Monongahela			.12			.22	.36			.35	.30	.16	.16	.05				.07	.30	1.37		.06	.16	.01	.06	.08	.18	.05				4.06
Morgantown	do						.20	.30			.50	.50	.25		.10		T.		T	.55	.05		.25	T.	.50	.20	.10	.15	.10				3.75
New Cumberland	Ohio			.10			.51	.02		.10	.10	.03	.01	T.	.14			T.	.16	.17	.91	T.	.13	.01		T.	.03	.04	.02				2.48
New Martinsville	do			.24			.78	.35			.52	.43	.18		.12				.18	.42	2.10		.10	.08	T.	.10	.15	.10					5.85
Parkersburg[2]	do			.09			.42			.23	.03	.48	T.	T.	.07			.01	.49	.36	.02		.13	.03	T.	.02	.06	.01					2.45
Parsons	Cheat			.45						T.		1.55		.30						T.	T.	.49	*	.13	T	.80	.10	.20	.10				4.12
Philippi[1]	Tygart							.39			.33	.02	.63	.06	.14					.14	.74	T.		.24	.02	.18	.06	.05	.06				3.06
Pickens	do			.20				.51			.46	1.14	.16		.25					.39		.23		.62	.20	.60	.50	.10	.30				5.66
Roanoke	West Fork			.03				.32			.29	.52	.20		.05				.03	.07	.95	T.	.07	.24	.03	.04	.09	.06	.03				3.02
Rockford	do			.06			.04	.24	T.		.49	.43	.18		.06				T.	.25	.92			.03	.18	.08	.05	.15	.08				3.24
Saint Marys[1]	Ohio			.06	.03			.54			.28	.21	.38	.03	.07				.01	.52		.04		.22			.09	.02					2.50
Terra Alta[1]	Cheat	T.			.04			.08			.07				1.20	T.				.30		T.		T.	T.	.20	.30		.50				2.69
Thomas[1]	do				.18			.53	.02		.33		.72	.25	.12					.07	.60	.04		.16	.04	.09	.15	.08	.28				3.66
Valley Chapel	West Fork		T.	.05				.36			.43	.43	.20		.07				T.	.25	1.12		.05	.22	T.	T.	.07	.10	.15				3.50
Vandalia	do	.22						.22			.26	.61	.19								1.07			.33				.31					3.21
Wellsburg	Ohio	T.		.10			.18	.25		.03	.10	.08	.14	.05					.23	.21	1.01		.14	.05	T.	T.	.05	.05	T.				2.67
West Milford	West Fork			.09			.10	.24	.03		.44	.43	.22								1.75		.10	.22		.05	.10						3.77
Weston[1]	do	T.			.04			.34			.38	.02	.68		.06					.24	1.05	.04		.20	.09	.10	.10	.12	.22				3.68
Wheeling (Dam 12)[1]	Ohio				.10			.65		.05	.17	.02	.08	.18	.03				.04	.39	1.16	.02		.22	.01	.01	.01	T.	.09				3.23
Woodlands[1]	do			T.	.08			1.45			.30	.02	.33	.48	.03				.04	.48	1.85	.10		.15		T.	T.	.01	.11				5.43
Southern Division																																	
Arbovale[1]	Greenbrier			.03				.10		T.	.37	1.06	T.		.21					.02	.10		T.	.19	T.	.15	.15	T.	.15				2.53
Bancroft	Gr. Kanawha		.06				.25			.36	.35	.76		.05					.06	.50			.30		T.	.03	.05	.04					2.81
Beckley	New			.12				.17			.60	.68	.23		.29	T.	.12			.26	.40	.28	.08	.33	T.	.11	.15	T.	.05				3.87
Bluefield	do							.06			.28	.45	.01		.31		.19			.08		.18		.16		.20			.02				1.94
Camden-on-Gauley[1]	Gauley							.19			.64	.04	1.01		.05	.06				.03	.57	.02		.37		.11	.15	.18	.20				3.62
Charleston[1]	Gr. Kanawha	.01			.01			.26			.26	.18	1.08		.12					.10	.50			.40	.01	T.	.02	.08	.05				3.08
Clay[1]	Elk	.04			.08			.19			.48	.12	.89		.07				T.	.11	.38	.02		.34	.09	.02	.08	.26	.04				3.21
Dam 6, G. K.[1]	Gr. Kanawha																																
Flat Top	New			.04	T.			.19			.42	.63	.24		.30	.15	.02	T.		.13	.18	T.	.05	.28	T.	.08	.10	.01	.16				2.98
Gary[1]	Big Sandy			.01				.11			.15	.45	.35		.02	.25	.23			.16	.20			.35	.07	.05	T.	.09	.08				2.57
Greenbottom[1]	Ohio			.03				.43			.36	.42	.40		.06			T.		.24	.10			.26	.02	T.	.03	T.	T.				2.35
Hinton[1]	New				.03			.06			.18	.14	.59		T.	.20	.06			.07	.60	T.		.14	.06	.01	.02	.09	.12				2.37
Hogsett[1]	Ohio			.03	.03							.15	.76		.05				.01	.20	.31			.21	T.	T.	.01	.02	.01				1.79
Huntington	do			.04			.20	.05			.15	.93			.09			T.	T.	.34	.15		.17	.09	T.	T.	.07	.01	T.				2.29
Institute	Gr. Kanawha	T.			.02		.23	.02			.25	1.39	.01		.07			T.	.01	.26	.12		.24	.19	.01	.05	.12	.03	T.				3.02
Kanawha Falls[1]	do							.20			.40	.05	.15		.05					.20	.90			.30	.30	T.	T.	.35	T.				2.90
Kayford[1]	New	.02						.11			.65	.13	1.20		.02	.23				.04	.86	.04		.44	.06	.06	.06	.04	.16				4.12
Lewisburg	Greenbrier							.03			.10	.65	.35		.01					.04	.20			.12	T.	T.	.13	.04	.02				1.69
Logan[1]	Guyandot	.02			T.				.03		.50	.72	.65			.25	.08		T.	.08	T.	T.	T.	.46	.02	.01	.12	.10	.05				3.09
London[1]	Gr. Kanawha				.04			.16			.40	.12	.82		.02	.10			.01	.09	.60	.02		.37	.09	T.	T.	.20	.18				3.22
Madison[1]	Coal	.02						.19			.76	.25	.74			.20				.12	.38			.29			.04	.12	.08				3.19
Marlinton	Greenbrier			.03				.10				.84	.20		.03					.26	.02			.26	T.	T.	.18	.04	.06				2.02
Point Pleasant[1]	Ohio	T.		.08	.06			.35			.25	.23	.39		.07			.02	.02	.24	.34		.02	.21	.02	.02	.03	.07	.04				2.46
Rainelle	Gauley				T.			.14			.45	1.00	.44		.27					.08	.42	T.	.05	.18	T.	.10	.28	.06	.38				3.85
Ravenswood (Dam 22	Ohio			T.	.05			.29			.18	.04	.27	T.	.04					.28	.28			.28			.05	.05	.09				1.90
Richwood[1]	Gauley			.05			.04			.48	.04	1.15		.06	.02					.85			.08		.20	.15	.10	.35					3.57
Robertsburg[1]	Gr. Kanawha			.04	.02			.32			.26	.23	.89		.08				T.	.15	.61	.02		.22		T.	.03	.02					2.89
Ryan	do			.04				.20			.26	.78	.08		.04					.24	.40		.23	.10	.01	.06	.16	.02	.02				2.64
Sharples[1]	Coal		.32					.38			.72	.31				.49		.70			.42	.67				T.	T.		.40				4.41
Spencer[1]	Litl.Kanawha			.10	.05			.32			.34	.09	.81		.08					.21	.51	.02		.25	.10	T.	.20	.15	T.				3.23
Summersville[1]	Gauley	.04				T.		.30			.40	.30	1.15		T.	.40						.49	.20		.10	.20	.20	.22	.18				4.18
Sutton	Elk			.10				.25			.45	.40	.85		.10					.10	.75			.35	T.	.20	.20	.20	.20				4.15
Thornwood[1]	Greenbrier											1.70								.40			.08		.24	.14	.06	.02					2.64
Union	New							.10			.06	.40	.09		.13		.10					.26		.12			.10						1.36
Wayne[1]	Twelvepole			.04				.17			.66	.40	.46						.08	.13	.60			.38		.03	.07	.04					3.06
White Sulp'r Spgs.[1]	Greenbrier											.90							.05	.55				.20									1.70
Williamson[1]	Big Sandy	.03			.02			.14			.26	.21	.18			.14	.35		T.	.07	.40			.45	.03	.11	.09	.17					2.65

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Supplemental Rainfall Data—Total, inches: Elk.... 3.02 Mt. Clare.... 3.52 Salem.... 3.89 Shinnston.... 4.22 Parsons No. 2.... 3.13 Winfield Locks.... 2.74

Daily Temperatures for February 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum ...	30	45	47	52	60	64	58	45	57	47	37	55	62	55	53	47	64	68	52	38	37	45	45	42	35	32	30	20	....	....	....	47.2
	Minimum....	10	9	19	36	21	24	25	14	14	14	24	22	29	52	18	10	13	20	26	25	22	23	28	25	15	15	20	10	....	....	....	20.8
Brandywine	Maximum ...	35	47	50	60	55	65	60	57	66	58	47	40	70	67	54	58	60	67	65	61	45	50	47	40	32	35	40	38	....	....	....	52.5
	Minimum....	12	18	35	34	25	34	35	17	26	37	32	32	31	34	25	26	22	42	44	34	34	34	40	32	22	24	30	16	....	....	....	29.5
Kearneysville	Maximum ...	31	37	49	53	51	67	54	55	60	62	43	35	59	65	49	37	40	70	62	44	42	41	41	41	33	40	41	42	....	....	....	48.0
	Minimum....	17	22	30	39	26	33	39	25	34	43	23	26	32	49	26	20	22	31	42	32	22	26	36	33	25	24	33	16	....	....	....	29.5
Martinsburg[1]	Maximum ...	32	40	42	47	52	70	50	57	57	50	47	55	66	66	61	45	46	70	60	50	54	42	42	45	35	42	43	35	....	....	....	50.0
	Miuimum....	19	18	22	22	27	22	37	28	27	30	27	25	30	34	26	20	20	22	34	35	23	24	30	32	27	25	26	15	....	....	....	26.0
McNeill	Maximum ...	40	42	53	66	66	74	67	64	67	65	47	44	71	66	55	48	52	67	72	70	46	42	44	45	35	38	42	40	....	....	....	54.6
	Minimum....	34	14	22	34	21	44	48	14	23	44	25	27	32	41	25	17	15	29	27	35	28	24	31	32	24	22	30	18	....	....	....	27.9
Piedmont	Maximum ...	33	37	39	55	52	67	44	57	62	49	40	34	66	52	46	43	48	73	56	44	42	43	43	35	32	31	40	32	....	....	....	46.2
	Minimum....	15	19	27	38	27	34	36	25	29	40	25	26	32	46	26	19	21	34	42	33	28	27	34	32	28	24	31	16	....	....	....	29.1
Romney	Maximum ...	47	36	42	49	56	74	67	49	63	63	45	35	43	50	50	50	46	65	65	43	41	43	43	43	34	34	40	40	....	....	....	48.4
	Minimum....	17	20	27	39	26	36	38	23	27	44	26	29	30	33	29	19	20	32	42	36	27	32	37	34	26	25	33	17	....	....	....	29.4
Wardensville	Maximum ...	37	43	56	62	60	68	49	68	66	51	44	70	65	66	65	45	56	70	60	60	46	48	43	37	43	41	43	35	....	....	....	53.5
	Minimum....	15	15	21	22	33	27	28	18	27	34	28	24	29	29	26	19	17	26	40	30	27	26	36	33	25	18	30	18	....	....	....	25.8
Northern Division																																	
Bens Run	Maximum ...	35	47	53	51	66	62	55	60	63	63	44	52	67	64	46	43	65	67	55	36	40	47	47	37	34	35	38	34	....	....	....	50.2
	Minimum....	14	23	35	33	31	45	38	25	33	34	31	38	42	22	28	22	30	46	33	33	31	34	36	32	26	27	32	14	....	....	....	31.0
Buckhannon	Maximum ...	30	55	53	50	67	68	50	60	65	62	52	62	65	65	45	45	65	70	67	65	40	50	48	40	35	34	35	32	....	....	....	52.7
	Minimum....	11	22	35	40	30	40	35	22	22	38	30	44	40	45	25	19	26	58	53	31	30	30	37	30	23	24	30	18	....	....	....	31.7
Cairo	Maximum ...	29	48	54	55	63	63	69	52	64	66	44	68	72	70	51	37	65	70	72	68	40	48	48	39	35	36	48	39	....	....	....	54.0
	Miuimum....	10	20	33	34	29	32	37	20	28	39	28	41	48	40	24	24	26	43	45	33	31	30	36	31	25	28	29	18	....	....	....	30.8
Clarksburg[1]	Maximum ...	31	52	54	53	66	66	57	60	63	51	47	59	68	59	55	42	67	71	61	35	40	49	43	42	33	35	36	33	....	....	....	51.0
	Minimum....	10	12	21	32	29	29	35	20	20	41	32	36	41	54	26	20	19	29	46	32	31	32	32	31	24	25	28	19	....	....	....	28.8
Creston	Maximum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
	Minimum....	9	20	30	40	29	39	44	19	28	40	28	40	40	44	25	25	26	41	48	32	31	28	34	29	24	26	33	18	....	....	....	31.1
Elkins	Maximum ...	38	52	51	53	60	66	49	60	60	55	45	62	65	61	33	49	65	68	66	37	41	50	44	31	26	33	33	19	....	....	....	49.0
	Minimum....	11	20	40	31	29	39	28	19	31	33	32	43	52	34	24	21	26	47	37	29	30	30	31	26	20	21	21	13	....	....	....	29.2
Fairmont	Maximum ...	33	53	50	54	68	65	58	62	62	48	43	58	70	54	50	45	65	72	57	44	40	45	40	38	30	35	35	31	....	....	....	50.2
	Minimum....	10	11	23	33	30	31	35	22	23	37	31	35	39	50	25	18	20	32	44	33	30	30	34	30	22	22	25	18	....	....	....	28.3
Glenville	Maximum ...	38	57	55	58	69	69	68	66	65	66	48	67	70	69	50	52	68	73	75	74	42	51	50	40	35	36	40	39	....	....	....	56.8
	Minimum....	10	21	36	39	29	43	36	20	28	40	31	42	44	46	26	24	27	56	51	33	32	29	36	30	23	25	32	18	....	....	....	32.4
Grafton	Maximum ...	55	57	58	61	68	70	54	68	67	65	45	64	73	63	49	54	73	74	73	72	46	51	54	44	37	36	39	40	....	....	....	57.5
	Minimum....	10	20	34	34	30	38	34	22	34	30	31	36	45	40	25	20	25	46	42	32	31	29	36	30	21	24	30	11	....	....	....	30.0
Lost Creek	Maximum ...	32	54	54	50	62	63	59	59	62	61	48	59	67	66	49	49	64	64	62	58	40	48	48	35	31	32	35	35	....	....	....	51.6
	Minimum....	6	16	34	33	27	45	35	17	38	36	38	41	49	45	31	21	23	55	50	32	31	30	35	30	23	24	30	17	....	....	....	31.9
Mannington	Maximum ...	29	50	50	51	63	64	57	57	61	62	43	54	67	66	48	41	63	70	58	55	39	45	48	37	30	34	35	36	....	....	....	50.5
	Minimum....	8	17	31	31	27	47	35	19	28	34	28	39	42	44	25	18	23	44	44	32	30	34	36	30	23	25	31	17	....	....	....	30.1
Morgantown	Maximum ...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
	Miuimum....	21	29	29	32	34	34	33	36	38	33	30	36	33	33	22	34	33	34	33	26	30	35	36	33	33	30	26	12	....	....	....	31.0
New Cumberland	Maximum ...	30	45	52	52	64	60	57	59	60	60	38	45	70	68	61	54	60	64	58	62	37	45	47	35	32	35	38	36	....	....	....	50.9
	Minimum....	10	19	37	32	22	46	35	36	35	30	28	32	41	38	22	11	24	22	37	31	26	30	34	29	23	24	32	13	....	....	....	28.5
New Martinsville	Maximum ...	30	45	49	50	66	63	55	62	62	60	52	50	62	68	37	40	61	60	55	48	38	40	44	35	30	30	32	32	....	....	....	48.4
	Minimum....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....
Parkersburg	Maximuu ...	33	53	55	47	67	64	46	60	67	56	43	55	70	63	33	45	65	68	54	38	41	48	46	35	30	36	40	29	....	....	....	49.5
	Minimum....	14	25	46	31	33	45	32	26	44	31	31	38	53	31	27	23	35	52	38	31	30	37	34	28	25	28	26	17	....	....	....	32.5
Parsons	Maximum ...	43	53	52	56	64	68	48	63	61	60	46	63	66	40	40	52	67	72	68	36	40	51	46	36	27	34	35	32	....	....	....	50.7
	Minimum....	13	20	35	40	29	35	34	21	28	39	35	36	40	30	29	21	25	38	36	32	32	31	36	27	21	23	28	15	....	....	....	29.6
Pickens	Maximum ...	37	50	47	52	58	61	50	55	57	54	55	58	55	57	48	49	45	64	55	52	47	47	43	34	26	29	30	30	....	....	....	48.0
	Minimum....	4	18	37	27	36	37	27	18	29	31	28	39	38	34	22	20	27	35	44	25	23	27	29	19	14	15	20	7	....	....	....	26.1
Wellsburg	Maximum ...	29	46	52	52	64	61	57	58	61	61	38	48	69	65	51	39	61	66	58	46	38	45	46	36	30	35	37	37	....	....	....	49.5
	Minimum....	4	15	31	32	22	38	33	19	30	29	27	32	41	38	22	15	20	45	37	31	26	28	35	28	22	22	30	14	....	....	....	27.4
Weston	Maximum ...	32	56	54	55	68	68	66	64	61	58	47	64	70	68	52	45	67	72	71	70	39	50	44	38	33	34	36	34	....	....	....	54.1
	Minimum....	13	22	39	39	31	31	36	23	31	39	31	43	50	45	28	23	28	56	52	33	32	30	36	31	24	25	28	19	....	....	....	32.8
Wheeling	Maximum ...	31	48	52	48	64	61	56	56	59	43	37	49	64	57	42	39	61	64	58	39	37	45	37	37	31	35	37	32	....	....	....	47.1
	Minimum....	10	10	23	34	31	29	35	28	29	34	31	34	35	41	26	16	18	35	39	33	29	29	36	31	24	25	28	17	....	....	....	28.2
Southern Division																																	
Beckley	Maximum ...	42	53	49	57	60	64	48	51	60	56	45	65	65	58	44	52	60	64	69	53	36	49	44	34	29	29	35	34	....	....	....	50.2
	Minimum....	8	24	33	38	33	39	31	19	34	39	33	37	45	41	25	16	32	42	48	24	24	19	21	24	16	18	24	14	....	....	....	28.6
Bluefield	Maximum ...	45	54	51	58	57	63	50	62	59	56	49	65	64	56	48	45	57	62	64	63	40	49	39	38	31	31	37	37	....	....	....	51.1
	Minimum....	12	29	37	39	36	33	33	23	37	48	34	42	45	42	30	30	34	43	49	30	25	32	32	27	19	19	26	17	....	....	....	32.2
Charleston	Maximum ...	36	60	57	58	68	72	52	63	67	55	56	70	72	56	45	40	67	70	72	55	45	54	44	40	37	39	38	33	....	....	...	51.3
	Minimum....	15	16	22	42	36	36	36	27	28	39	39	41	46	41	31	30	31	40	51	39	32	34	39	34	27	29	30	23	....	....	....	33.4
Gary[1]	Maximum ...	50	61	55	61	64	66	54	67	66	58	61	70	70	61	56	50	65	68	71	52	47	55	46	46	34	36	44	36	....	....	....	56.1
	Minimum....	17	17	25	39	31	32	41	22	23	29	43	43	43	45	30	32	35	39	42	32	31	31	33	34	25	25	30	24	....	....	....	31.9
Hinton[1]	Maximum ...	46	56	52	63	61	68	54	62	67	56	41	70	71	60	41	52	57	71	73	38	41	53	47	38	32	35	44	35	....	....	....	53.0
	Minimum....	12	11	23	33	28	29	35	22	22	27	38	37	40	41	32	32	32	34	38	32	31	33	35	32	24	24	25	21	....	....	....	29.4
Huntington	Maximum ...	37	58	55	54	69	69	56	64	68	65	53	71	71	69	49	49	65	66	66	46	42	47	47	41	36	37	42	38	....	....	....	54.6
	Minimum....	16	26	37	41	32	41	39	25	37	43	36	44	50	46	30	29	34	56	46	33	32	32	37	30	28	30	35	22	....	....	....	35.2
Lewisburg	Maximum ...	37	48	47	54	55	63	60	52	58	56	50	62	66	60	45	50	56	63	65	59	38	50	48	41	30	33	36	36	....	....	....	50.6
	Minimum....	15	22	34	40	32	37	34	22	30	49	35	35	44	45	31	31	32	40	58	29	30	33	40	29	21	23	29	17	....	....	....	32.8
Madison	Maximum ...	31	37	57	55	58	68	73	51	63	67	56	59	72	72	60	34	44	60	70	75	35	45	54	41	38	32	36	36	....	....	....	52.9
	Minimum....	11	11	25	38	33	40	39	23	25	35	42	46	44	50	30	30	33	43	52	33	32	31	40	33	25	28	30	24	....	....	....	33.1
Marlinton	Maximum ...	40	47	44	57	55	63	62	55	60	59	52	61	67	63	47	55	57	64	64	62	39	48	50	40	29	33	42	36	....	....	....	51.8
	Minimum....	12	17	30	30	25	29	32	11	23	49	33	32	36	44	27	27	27	36	46	30	30	32	32	28	21	22	22	12	....	....	....	28.4
Point Pleasant	Maximum ...	37	56	55	53	69	66	58	64	67	65	46	65	70	68	53	48	64	68	60	53	41	48	46	40	36	37	42	40	....	....	....	54.1
	Minimum....	12	24	35	33	30	44	39	23	33	40	31	41	46	44	26	25	34	51	43	34	31	30	37	29	25	28	33	21	....	....	....	33.0
Rainelle	Maximum ...	39	47	45	56	55	63	71	57	57	68	52	63	62	62	43	56	59	62	62	62	35	47	49	34	25	31	31	34	....	....	....	51.1
	Minimum....	10	23	35	35	25	33	31	14	22	43	33	33	35	42	26	28	32	33	47	26	22	32	33	26	18	20	25	14	....	....	....	28.4
Ravenswood	Maximum ...	38	52	53	52	62	61	57	60	64	63	46	60	65	64	54	47	59	60	60	54	41	47	46	40	37	36	40	40	....	....	....	52.1
	Minimum....	13	24	45	34	30	51	38	19	32	40	32	40	45	43	25	25	35	34	42	33	31	34	37	32	25	28	36	20	....	....	....	33.0
Richwood	Maximum ...	34	40	44	42	54	52	56	54	55	60	44	46	58	42	32	36	52	53	54	40	36	42	40	26	24	27	27	26	....	....	....	42.7
	Minimum....	13	26	30	30	37	30	22	21	19	36	36	36	38	26	28	28	34	38	29	26	28	34	24	19	19	21	12	6	....	....	....	26.6
Robertsburg[1]	Maximum ...	34	47	50	47	66	70	60	68	68	47	46	70	73	54	51	48	70	67	76	45	44	51	42	39	34	39	51	36	....	....	....	53.3
	Minimum....	12	14	25	38	29	31	39	23	24	40	35	37	43	51	28	27	27	36	45	33	31	30	38	31	26	25	29	21	....	....	....	31.0
Ryan	Maximum ...	33	55	53	52	70	66	56	63	66	65	47	68	70	58	40	47	68	66	60	50	50	52	46	35	32	33	39	36	....	....	....	52.7
	Minimum....	7	20	33	33	27	38	33	18	26	39	30	42	39	40	27	26	29	42	50	32	32	28	35	31	24	24	30	19	....	....	....	30.5
Spencer[1]	Maximum ...	35	55	54	54	68	67	50	62	65	48	47	67	70	58	57	48	68	69	72	55	42	50	39	38	33	35	39	31	....	....	....	52.7
	Minimum....	11	23	44	40	30	50	38	21	31	47	31	38	43	57	27	26	33	46	50	33	32	33	38	33	25	26	28	18	....	....	....	34.0
Sutton	Maximum ...	35	54	54	58	67	68	68	64	65	65	48	68	69	69	48	49	67	68	72	72	40	53	53	38	33	35	37	37	....	....	....	55.5
	Miuimum....	12	20	33	32	28	33	36	21	28	40	36	44	41	46	28	25	27	45	51	30	31	28	36	31	23	25	30	12	....	....	....	31.1
Union	Maximum ...	41	52	51	52	56	60	58	55	59	57	49	65	66	60	47	45	55	61	65	40	39	49	47	40	30	29	39	35	....	....	....	50.1
	Minimum....	12	21	33	32	29	33	33	18	24	49	34	34	40	35	29	30	30	37	28	31	26	31	40	27	20	21	26	11	....	....	....	29.1
White Sulphur Spgs.	Maximum ...	40	52	51	56	51	59	59	43	56	60	52	61	66	60	56	52	52	60	67	47	38	52	43	42	31	36	38	31	....	....	....	50.
	Minimum....	10	11	18	32	24	25	30	9	10	22	35	34	35	35	29	29	28	30	45	31	30	30	38	29	21	22	24	12	....	....	....	26.
Williamson[1]	Maximum ...	43	60	56	60	67	72	55	66	67	59	62	72	73	61	60	49	67	72	71	53	49	49	45	44	36	38	47	37	....	....	....	56.8
	Minimum....	16	16	27	40	35	36	41	27	27	36	44	46	46	47	32	32	33	46	48	34	33	35	41	35	27	27	30	24	....	....	....	34.

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 3-31-38—900)

E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., MARCH 1938 NO. 3

GENERAL SUMMARY

With an average temperature of 48.3° the month was one of the warmest of State record, being nearly continuously warm. Moderately cold weather prevailed only on three or four days. The maximum temperature of 92° was within 2° of the record established in 1907. The lowest temperatures for the month were generally between three and ten degrees above zero, in the mountainous part of the State, elsewhere between ten and twenty degrees. Most were recorded on the 1st, with a few on the 4th and 11th. Maximum temperatures for the month were registered generally on the 22d, and were mostly in the eighties.

Precipitation fell in some section on practically every day of the month, and was well distributed over the State, except in the northeastern panhandle division. It was heavy in nearly all districts, only a few stations recorded less than the normal amount. Heavy rains, over an inch, occurred generally during the last three days of the month. Rivers were at moderate stages throughout the month. Only on four occasions, during a period of 44 years, has the March snowfall been less than that of this month, when 0.7 of an inch was recorded.

Conditions were generally favorably for fruit, which was coming into bloom, but farm work was much retarded by frequent rains. Winter wheat and pastures made good growth, and were in good condition at the close of the month.—*H.C.D.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 55 stations, was 48.3°, or 5.8° above the normal. The mean for the northeastern panhandle division was 45.6°; for the northern division, 47.8°; and for the southern division 49.5°. The highest monthly mean was 55.0° at Bancroft and the lowest, 39.9° at Terra Alta. The highest temperature was 92° at Institute on the 22d, and the lowest, 3° at Rainelle on the 1st. The greatest daily range was 55° at McNeill on the 19th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 101 stations, was 4 03 inches, which is 0.10 inch above the normal. In the northeastern panhandle division the average was 2.92 inches; in the northern division, 4.12 inches; and in the southern division 4.23 inches. The greatest monthly precipitation was 7.75 inches at Pickens, and the least, 1.65 inches at Wardensville. The greatest amount in any 24 consecutive hours was 2.44 inches at Wayne on the 22d. The average monthly snowfall was 0.7 inch, or 5.4 inches below normal. The greatest monthly snowfall was 8.0 inches at Stony River Dam. The average number of days with .01 inch or more of precipitation was 15.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	4	2	1	1	..	..	..	5	6	4	1	..	4	3	..	2	7	1	16	2	..	..	5	1	..	1	2	2	1
Gales	5	2	..	1	3	2	1	4	1	..	..	..	1	..	..	..	1	..	..	..	..	1	3	4	..	..	..	..	..	..	..
Glaze	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	1	1	..	..	..	1	..	..	1	..	..	2	1	..	1	1	..	..	..	..	..	1	..	1	..	..	..	1
Sleet	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	1	..	11	4	..	..	..	..	1	..	4	5	5	8	6	1	..	..	..	9	12	7	9	13	..	1	7	20	1

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.99	30.41	7	29.52	5	9.7	32	se.	31	81	63	65	51
Columbus, Ohio	29.97	30.38	9	29.48	5	11.5	34	sw.	23	79	64	66	47
Elkins	30.02	30.42	28	29.56	5	7.2	30	w.	23	83	59	62	43
Parkersburg	30.00	30.39	9	29.51	5	7.1	21	nw.	16	84	59	63	44
Pittsburgh, Pa	29.98	30.38	28	29.48	5	12.2	34	nw.	27	78	61	65	48
Wytheville, Va	30.04	30.36	28	29.65	17	7.6	27	sw.	2	78	55	61	40

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4 7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	**34.4**	63	7	.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3 23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.92	4.12	4.23	4.03	.7	15	8	8	15
Period	42.5	94	−18	3.09	4.07	4.13	3.93	5.9	11	11	7	13

Climatological Data for March 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	41.4	+3.7	80	22	8	1	52	3.45	−1.06	0.68	2.5	13	13	3	15	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	47.8	+6.4	82	22	15	1	50	3.20	+.73	.70	2.0	8	16	1	14	s.	E. L. Keister
Harpers Ferry	Jefferson	244	49	......	......	......	......	......	......	......	2.13	−.92	.50	2.6	11	....	....	....	......	Miss Eleanor White
Kearneysville	Jefferson	548	8	46.4	......	82	22	11	11	40	2.20	....	.43	.0	10	7	11	13	nw.	University Exp. Station
Martinsburg	Berkeley	435	46	45.6	+4.0	86	22	14	11	45	3.48	+.22	.60	4.0	13	19	5	7	se.	Dr. H. S. Gardner
McNeill	Hardy	800	42	46.3	+5.3	79	†22	11	11	55	2.37	−.22	.56	4.5	12	7	15	9	w.	R. E Saville
Piedmont	Mineral	1,053	25	45.8	+4.6	83	†22	18	1	50	2.81	−.17	.50	5.0	14	7	13	11	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	46.6	+4.2	82	22	18	11	42	3.06	+.20	.42	4.0	16	9	14	8	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	......	......	......	......	......	......	......	4.47	....	.90	4.0	17	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	18	......	......	......	......	......	......	......	3.35	.00	.65	8.0	11	5	5	21	w.	A. C. Becker
Wardensville	Hardy	1,200	17	45.1	+3.2	81	22	13	11	54	1.65	−.55	.70	2.8	10	10	8	13	......	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	......	......	......	......	......	......	......	3.71	−.08	.71	T.	16	4	11	16	w.	L. Else Bond
Alma (near)	Tyler	800	11	......	......	......	......	......	......	......	3.87	−.14	.68	.0	15	5	8	18	......	H. W. & T. J. Furbee
Benson	Harrison	1,080	14	48.6	+8.3	83	22	17	1	50	3.74	+.28	.80	.0	14	6	15	10	......	R. D. Marts
Bens Run	Tyler	652	36	49.4	+5.9	83	22	22	1	39	4.19	+.15	.89	.0	16	16	11	4	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	......	......	......	......	......	......	......	4.37	+.90	.95	.0	17	3	20	8	......	W. B. Worley
Buckhannon	Upshur	1,411	41	49.4	+7.5	80	†22	17	1	40	5.68	+1.17	1.48	T.	14	11	6	14	......	H. A. Darnall
Cairo	Ritchie	680	37	48.8	+4.5	85	22	15	1	49	3.83	+.01	.92	.0	11	8	5	18	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	47.4	+7.7	84	22	20	1	45	3.29	+.27	.45	T.	17	5	9	17	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	......	......	......	......	......	......	......	4.43	+.10	.83	T.	17	4	10	17	sw.	George W. Blair
Creston	Wirt	640	36	......	......	......	......	16	1	....	4.09	−.01	.61	T.	16	8	11	12	......	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17	......	......	......	......	......	......	......	3.87	+.10	.82	T.	18	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	22	......	......	......	......	......	......	......	4.17	+.74	.71	T.	17	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	17	......	......	......	......	......	......	......	3.89	+.75	.76	T.	14	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	22	......	......	......	......	......	......	......	3.91	+.37	.65	.0	16	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	22	......	......	......	......	......	......	......	4.06	+.35	.57	.0	17	....	....	....	......	Lockmaster
Davis	Tucker	3,093	29	......	......	......	......	......	......	......	5.40	+1.65	1.19	6.0	15	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	26	......	......	......	......	......	......	......	3.77	+.02	.65	.0	16	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	37	47.2	+7.2	79	22	15	1	47	4.39	+.59	1.33	.8	20	3	6	22	w.	U. S. Weather Bureau
Fairmont	Marion	883	32	47.7	+6.2	85	22	18	1	46	3.80	−.17	.65	1.7	17	9	8	14	w.	J. C. Robinson
Glenville	Gilmer	738	44	51.8	+7.1	86	22	19	1	49	5.30	+1.01	.74	T.	17	7	9	15	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	50.8	+9.3	87	23	19	1	44	3.71	−.05	.67	.2	12	7	7	17	......	L. W. Clayton
Hastings	Wetzel	809	3	......	......	......	......	......	......	......	4.38	....	.90	.2	16	11	8	12	w.	L. G. McIntyre
Horner	Lewis	1,044	15	......	......	......	......	......	......	......	3.77	+.07	1.07	....	10	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	15	......	......	......	......	......	......	......	3.83	+.57	.60	....	17	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	48.6	+6.2	81	22	17	1	45	3.79	−.13	.82	T.	15	3	8	20	w.	Allen Smith
Mannington	Marion	974	35	47.8	+5.5	81	†22	18	1	45	4.61	+.58	.76	1.7	18	7	6	18	w.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45	44.2	+2.1	80	†22	13	1	41	2.80	−.59	.75	2.0	9	....	....	....	......	Bruce Davis
New Cumberland	Hancock	671	40	47.0	+7.6	88	22	13	4	48	5.01	+1.77	1.10	1.3	19	6	1	24	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	47.8	+4.5	82	22	15	1	44	3.67	−.12	.70	1.5	14	7	9	15	s.	Wm. Ankrom
Parkersburg	Wood	615	51	49.4	+6.6	83	22	22	4	36	3.42	−.07	.75	T.	19	6	10	15	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	47.7	+7.2	83	22	15	1	48	4.10	−.11	1.36	T.	8	11	3	17	......	J. W. Swisher
Philippi	Barbour	1,550	41	......	......	......	......	......	......	......	3.67	−.47	.68	T.	19	....	....	....	......	H. F. Brittingham
Pickens	Randolph	2,697	35	45.0	+5.8	78	22	8	1	44	7.75	+1.84	1.45	3.0	15	13	6	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	......	......	......	......	......	......	......	3.79	+.17	.88	T.	13	5	7	19	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	30	......	......	......	......	......	......	......	3.69	−.23	.84	.0	13	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	37	39.9	+2.0	77	22	8	1	47	5.33	+.89	.90	2.3	11	5	2	24	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	......	......	......	......	......	......	......	4.71	....	.82	5.0	16	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	15	50.8	+8.3	84	22	17	1	45	4.20	+.51	.78	.0	18	6	12	13	nw.	J. C. Campbell
Vandalia	Lewis	1,120	15	......	......	......	......	......	......	......	3.97	+.77	1.04	.0	11	....	....	....	......	James B. Kelley
Wellsburg (near)	Brooke	668	31	46.6	+6.8	84	22	13	4	48	4.93	+1.74	.87	T.	15	8	10	13	......	George P. Pfister
West Milford	Harrison	979	13	......	......	......	......	......	......	......	3.54	.00	.60	....	15	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	43	50.3	+6.5	82	22	19	1	41	5.12	+.84	1.00	T.	21	3	14	14	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	45.0	+4.5	79	22	16	4	46	3.91	+.63	.95	2.0	13	6	8	17	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	......	......	......	......	......	......	......	2.28	−1.53	.63	1.0	10	9	10	12	w.	H. S. Sutton
Bancroft	Putnam	574	34	55.0	+11.2	85	22	25	†3	46	4.22	+.22	1.15	.0	18	6	7	18	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	47.3	+4.6	80	22	9	1	43	5.26	+1.49	1.22	T.	17	4	14	13	......	L. A. Mauck
Bluefield	Mercer	2,558	43	49.8	+5.4	78	22	15	1	44	4.37	+1.25	1.68	.0	11	9	9	13	......	Norfolk & Western Ry.
Charleston	Kanawha	602	35	50.7	+3.3	84	22	21	1	43	4.46	−.04	.90	T.	18	7	5	19	......	Charleston Daily Mail
Clay	Clay	790	22	......	......	......	......	......	......	......	4.28	+.13	.62	T.	20	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,260	..	46.0	......	71	21	12	1	38	4.53	....	1.51	T.	14	....	....	....	......	U. S. Airway Station
Gary	McDowell	1,426	22	50.4	+7.9	82	22	15	1	46	4.08	−.08	1.58	T.	14	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	49.3	......	83	22	19	1	41	5.14	....	1.36	.0	18	7	14	10	sw.	State Forest Nursery
Hinton	Summers	1,431	41	49.0	+4.9	85	21	18	†1	46	3.33	−.57	.87	.0	15	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	22	......	......	......	......	......	......	......	3.14	−.74	.55	.0	18	....	....	....	......	Lockmaster
Huntington	Cabell	571	41	52.8	+7.8	86	22	23	1	40	3.92	−.30	.73	T.	16	5	10	16	sw.	H. N. Robinson
Institute	Kanawha	616	..	53.3	......	92	22	10	1	50	4.24	....	.95	T.	18	....	....	....	......	U. S. Airway Station
Kanawha Falls	Fayette	618	19	......	......	......	......	......	......	......	3.85	+.65	.75	.0	12	....	....	....	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	22	......	......	......	......	......	......	......	4.56	−.08	.68	T.	18	....	....	....	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	38	48.7	+6.6	76	22	18	1	40	3.29	−.35	.96	T.	10	7	10	14	......	J. K. Monroe
Logan	Logan	700	35	......	......	......	......	......	......	......	5.38	+.66	1.03	T.	15	....	....	....	......	Paul A. Simonds
London	Kanawha	623	2	51.6	......	85	†22	18	1	44	4.63	....	.93	.0	18	6	0	25	e.	Lockmaster
Madison	Boone	675	17	46.1	+3.4	84	23	17	1	42	5.52	+1.34	.85	.0	15	9	4	18	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	47.1	+9.2	78	†22	14	1	48	2.71	−1.83	.82	.2	15	9	10	12	nw.	U. S. Forest Service
Point Pleasant	Mason	595	45	52.2	+7.0	85	22	21	1	42	3.96	−.13	.80	.0	21	9	9	13	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	45.8	......	77	†21	3	1	45	4.28	....	.90	1.0	20	7	3	21	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	50.7	+7.4	78	21	19	1	37	3.69	−.20	.63	.0	19	10	2	19	nw.	Lockmaster
Richwood	Nicholas	2,193	8	48.2	......	79	22	6	1	46	5.00	....	.75	T.	20	1	14	16	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	50.3	+6.4	86	22	19	1	49	3.43	−.52	.61	.0	19	12	0	19	......	M. Frazier
Ryan	Roane	700	35	49.0	+6.2	80	22	14	1	48	3.60	−.76	.70	.1	16	8	12	11	......	Wm E. Ryan
Spencer	Roane	789	34	49.7	+6.8	85	22	17	1	44	3.82	−.25	.61	T.	19	4	14	13	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	......	4.81	....	.73	T.	15	....	....	....	......	Mrs. Anna Taylor
Sutton	Braxton	850	32	50.4	+6.2	81	†22	16	1	50	5.15	+.81	.90	T.	14	16	0	15	......	C. B. Eakle
Union	Monroe	2,250	34	47.8	+4.4	78	22	15	1	46	3.72	+.17	1.00	......	12	15	6	10	......	C. B. King
Wayne	Wayne	598	11	......	......	......	......	......	......	......	7.10	+2.50	2.44	.0	19	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	45.2	+2.6	78	†22	10	1	46	4.20	+.63	1.00	......	12	14	4	13	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	38	51.7	+5.0	82	22	19	†1	42	4.69	+.15	1.34	.0	16	7	13	11	se.	J. E. Dotson
State averages and	extremes	......	....	**48.3**	**+5.8**	**92**	**22**	**3**	**1**	**55**	**3.93**	**+.10**	**2.44**	**.7**	**15**	**8**	**8**	**15**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates.

Daily Precipitation for March 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac			.07		.24	.32	T.			.23	T.	.03		.42	.58		.14	.10					T.	.23		.39	.02				.68	3.45
Brandywine	do			1.10			.15		T.		.25				T.	.15		.10							.15		.70				.60		3.20
Harpers Ferry[1]	do				.09	.03					.06	.10			.50	.33	.03	.03	.46								.16				T.	.34	2.13
Kearneysville	do			.12			T.				.30			.25	.43	.22	.03	.18							T.		.15			T.	.22	.30	2.20
Martinsburg[1]	do				.15	.05	.05				.10	.60			.60	.60	.10	.10	.35		.05				T.		.18				T.	.55	3.48
McNeill	do			.12	T.	.11	.12				.27			T.	.28	.20	T.	.18	.04	T.					.08		.15	T.			.56	.26	2.37
Piedmont	do			T.		.20	.04				.30		.13	.30	.20	.50	.01	.20	.06					T.	.08		.17				.44	.18	2.81
Romney	do			.20		.20	.30				.31		.12	.05	.42	.40	.05	.30	.05						.05		.10			.03	.40	.08	3.06
Spruce Knob[1]	do			.19	.27	T.	.38		.04	.02	.12	.03	T.	.08	.37	.42	T.	.17	.41		T.				.29		.90	.23			.31	.24	4.47
Stony River Dam[1]	do			.10	.20	.12	.24				.50		.10		.65	.37											.42				.25	.40	3.35
Wardensville[1]	do				.03	.09	.02				.19	.02			.14	.18	T.	T.	.18		T.						.05				T.	.70	1.65
Northern Division																																	
Aberdeen	West Fork			.09	T.		.64				.25	.04	T.	.04	.45	.06	.06	.37	T.		.03			.04	.20		.61			.04	.71	.08	3.71
Alma (near)	Ohio		.02	.12			.68				.20	.08		.25	.62			.09	.37					.10	.12		.44			.07	.61	.10	3.87
Benson	West Fork			.15			.52				.20	.05		.06	.40		.22	.36						.20	.25		.35			.08	.80	.10	3.74
Bens Run	Ohio		.04	.18			.89				.29	.10		.48	.63	.04	.03	.15						.40	.11		.52			.10	.12	.11	4.19
Brownsville	West Fork			.23	.02		.62				.26	.07	.07	.07	.43	.10	.19	.37			.03			.08	.25		.59			.04	.95		4.37
Buckhannon	Tygart		T.	.46			.62				.30	.10		.15	.47	.15	.20	.32			.10			T.	.40		.87			T.	1.48	.06	5.68
Cairo	Litl Kanawha			.10			.92				.10				.56	.05		.36					.19	.50					.07	.83	.15		3.83
Clarksburg[1]	West Fork			.09	.02		.45				.11		.04		.39	.20	.02	.38	.02			.02		.12	.36		.37	.03		T.	.36	.31	3.29
Crawford	do			.35			.68				.30		.09	.18	.18	.07	.14	.39	.05		.15			.03	.27		.69			.02	.83	.01	4.43
Creston[1]	Litl.Kanawha		.17	T.		.61				.14	.09	.12		.45	.05	T.	.06	.44	.09		T.		.19	.47		.32				.35	.42	.12	4.09
Dam 10, Mon. R.[1]	Monongahela.	.01		.11	.03	.11	.57		T.		.20	.01	.05		.37	.82	.02	.52	.02					.04	.28		.17				.04	.50	3.87
Dam 13, O. R.[1]	Ohio			.07		.07	.48		.01		.12	.05	.01	.02	.71	.71	.26	.48	.11					.08	.36						.14	.49	4.17
Dam 15, Mon. R.[1]	Monongahela			.12	T.	.05	.58				.24	.06	.04		.35	.76	T.	.43	T.					.09	.35	T.	.12	T.			.08	.62	3.89
Dam 19, O. R.[1]	Ohio			.08	T.	.08	.63	T.	T.		.33	T.	.08	T.	.65	.32	.05	.35	.05	T.		T.		.22	.27	T.	.38	T.		.08	.02	.32	3.91
Dam 20, O. R.[1]	do			.05		.20	.54				.20		.10		.55	.22	.09	.22	.07			.03		.40	.44		.57			.06	.06	.26	4.06
Davis[1]	Cheat	.07		T.		.12	.10	T.		.21	.12	T.	.19		1.00	.45	.30	.43	.20						T.		.21	.61		1.19	.20		5.40
Elizabeth(D'm 3 LK[1]	Litl.Kanawha		.17		.14	.65	T.			.12	T.	.10		.47	.14	.03	.30	T.			T.		.13	.35		.27			.04	.32	.40	.14	3.77
Elkins[2]	Tygart		.05	.17		.31	.26	T.	T.		.21	.09	.03	.26	.22	.03	.03	.22	.01		.11		T.	.24	.02	.02	.76			T.	1.33	.02	4.39
Fairmont[1]	Monongahela.				.08	.44	T.			.15	.02	.07		.43	.65	.10	.40	.01					.10	.30	T.	.19			.02	.20	.55	.09	3.80
Glenville[1]	Litl.Kanawha			.34	.05	.12	.63	.06			.18	T.	.20	T.	.34	.14	.16	.74				.06		.05	.25		.61	T.		T.	.73	.64	5.30
Grafton	Tygart		T.	T.	.48		T.		.46		.17		.03		.47	.05			.38						.47		.35			.04	.67	.14	3.71
Hackers Creek	West Fork			.20			.47				.21	.01		.02	.43		.16	.17	.10					.21			.62			.20	.57	.08	3.45
Hastings	Ohio			.15		.05	.90				.22			.15	.80	.12	.20	.58					.03	.12	.10		.30			.12	.24	.30	4.38
Horner	West Fork				.10		.65				.25			.10	.40			.25									.75		.10	T.	1.07	.10	3.77
Ireland	do		.18	.52							.22	.12		.12			.14	.41			.17				.37		.60			.02	1.30	.03	4.20
Jackson's Mill	do	.27					.48				.22	.43		.15	.12	.23	.02																
Jane Lew	do			.06	T.		.47	T.			.18	.05	.03	.07	.46	.27	.19	.35	T.		.03			.15	.24		.54			.04	.60	.10	3.83
Lost Creek	do		T.	.21	T.		.52				.19	.06		.09	.30	.05	.21	.29	T.		T.			.21	.32		.36			.08	.82	.08	3.79
Mannington	Monongahela.		.01	.17	.02	.03	.64	T.			.27	.10	T.	.30	.59	.17	.37	.27						.19	.30		.17			.08	.76	.17	4.61
Morgantown	do	T.	.25	T	T		.25	.20	T.					.25	.75	T.	.10	.50							.20		.30						2.80
New Cumberland	Ohio	T.	.01	.10	.02	.52	.30				.13	.01	.03	.65	1.10		.31	.25	.01					.47	.04		.12			.20	.42	.32	5.01
New Martinsville	do		.05	.18			.70				.28	.08		.38	.10		.30	.33						.22			.35			.12	.20	.38	3.67
Parkersburg[2]	do		.06	.03	.07	.58	T.			T.	.17	.09	T.	.47	.45	.01	.23	.03	.01		T.		.17	.32	T.	.03	.22			.06	.20	.22	3.42
Parsons	Cheat			*			*	1.36				T.		*	*		1.24							T.	T.		.25			T.	1.25	T.	4.10
Philippi[1]	Tygart			.24	.06		.62	.03			.14	.02	.04	.04	.38	.18	.03	.24	.12					.02	.38		.33	.02			.10	.68	3.67
Pickens	do		.37	.78			1.15				1.45	.21		.18	.80		.46	.46	.10		.10			T.	.40		.57			T.	.70	.02	7.75
Roanoke	West Fork			.27			.60	T.			.25			.10	.47	.02	.10	.30						.06	.10		.61			T.	.88	.03	3.79
Rockford	do		T.	.05			.56				.24	.08	.10	.16	.38	.33	.16	.34			T.			T.	.21	T.	.33			.02	.74	.10	3.80
Saint Marys[1]	Ohio			.24			.84				.25		.12		.69		.08	.22						.12	.41		.28			.07	.02	.35	3.69
Terra Alta[1]	Cheat			T.		T.		.90	T.		.13	.10			.70	.80	T.	.50	.20			T.		T.	.60		.20				.30	.90	5.33
Thomas[1]	do	.08		.10	T.	.19	.57	T.	T.		.20		.10		.63	.51	T.	.11	.15	T.		.05			.36		.55	.11			.18	.82	4.71
Valley Chapel	West Fork			.13	T.		.54	.02			.20	.03	.05	.08	.43	.22	.17	.30			.06			.19	.21		.63			.07	.78	.09	4.20
Vandalia	do			.32			.42				.26	.11		.23	.30	.11		.28			.08						.82				1.04		3.97
Wellsburg	Ohio			.17		.16	.53				.17	T.		.52	.87	.03	.32	.36						.19	.39		.10			.18	.48	.46	4.93
West Milford	West Fork	.05		.12			.55		.02		.16	.08			.50	.12	.24					.07			.48		.35			.10	.60	.10	3.54
Weston[1]	do			.18	.03		.48	.04			.18	.04	.12	T.	.42	.10	.02	1.00	.10		.02	.06		.13	.26		.74	.02		.02	.40	.76	5.12
Wheeling (Dam 12)[1]	Ohio	T.		.06		T.	.41		T.		.10	.03	T.	T.	.64	.52	.10	.40	T.			T.		.04	.45		.04				.17	.95	3.91
Woodlands[1]	do					T.	.75						.07		.55	.75	.17	.52	.05							.37	T.	.20	T.	T.	T.	T.	3.43
Southern Division																																	
Arbovale[1]	Greenbrier			.20		.18	.28				.25	T.		.14	.17			.05			T.			.12			.63			T.	.26	T.	2.28
Bancroft	Gr. Kanawha.		.37	.17	.03	.67				.26	.04	.07		.08	.15	.05	.20	.07					.42	.26		1.15			.05		.12	.06	4.22
Beckley	New			1.22			.63				.78	.08	.10	.04	.65			.26	.11		.11		.12	.06	.22		.71			.06	.04	.07	5.26
Bluefield	do			1.68				.73			.89				.14	.22		.14	.10				.09	.12			.25					.01	4.37
Camden-on-Gauley[1]	Gauley			.41	.14		.65				.29	.09	.13		.18	.55	.02	.11	.22			.06			.42		.51			.02	.44	.08	4.32
Charleston[1]	Gr. Kanawha.				.21	.02	.78	.01			.40	.14	.07		.10	.45	T.	.13	.12		.06			.13	.23		.90			.03	.04	.64	4.46
Clay[1]	Elk			.58	.22	T.	.62	.03			.32	.11	.11	.02	.04	.35	.03	.31	.17			.07		.18	.39		.39			.03	.03	.28	4.28
Dam 6, G. K.[1]	Gr. Kanawha.																																
Flat Top	New			1.51	.01		.68		T.		.59	.05	T.	.01	.16	.02	T.	.13	.03		T.		.22	T.	.30		.81			.01	T.	T.	4.53
Gary[1]	Big Sandy			1.58	.08		.69				.56	.14	.05	.01		.22		.04	.12					.01	.28		.29	.01					4.08
Greenbottom[1]	Ohio			.25	.18	.02	.60				.24	.02	.08		.12	.09	.13	.15	.07		.02			.75	.50		1.36				.40	.16	5.14
Hinton[1]	New			.87	.22		.37				.39	.16	.05		.03	.25		.01	.12					.01	.10		.72	.02		.01	T.		3.33
Hogsett[1]	Ohio			.25	.11	.04	.50				.16	.04	.14		.28	.06	.10	.11	.04					.36	.55		.15			.04	.06	.15	3.14
Huntington	do			.48	.04	.01	.63				.39	.06		.04	.23		.10	.27	.05				.10	.64			.73			T.	.06	.09	3.92
Institute	Gr. Kanawha.		T.	.55	.03	.03	.69	T.			.42		.05	.06	.20	T.	T.	.21	.06		.04		.16	.44	.07		.95			.03	.18	.07	4.24
Kanawha Falls[1]	do			.60		T.	.70				.20		.10	T.	.15	.75	T.	.15	.20		T.	.20		T.	T.		.65	T.		.10	T.	.05	3.85
Kayford[1]	New	T.		.60	.24	T.	.63	.01			.28	.40	.09		T.	.40	.01	.28	.21			.28		.05	.26		.68	T.		.03	.09	.02	4.56
Lewisburg	Greenbrier			.70		T.	.39				.68		.02		.24		.02	.22			.03						.96			T.		.03	3.29
Logan[1]	Guyandot	T.		1.01	.18		.50				.66	.15	.03		T.	.50	T.	.22	.13			.08		.40	.29		1.03			T.	.03	.17	5.38
London[1]	Gr. Kanawha.			.51	.21	.01	.90	.03			.23	.23	.09	T.	.09	.21	T.	.26	.17			.22		T.	.40		.75			.02	.05	.25	4.63
Madison[1]	Coal			.77	.11		.84	.01			.48			.27	.08	.42		.41	.08		.31			.25	.53		.85					.11	5.52
Marlinton	Greenbrier			.23				.34	.02			T.	.04		.50	.38	.03	.03			.03			.01	.12		.82			.01	.12	.03	2.71
Point Pleasant[1]	Ohio			.18	.09	.04	.80	.02			.23	.06	.08	.03	.45	.09	.29	.28	.05			.02		.27	.51		.10			.06	.16	.15	3.96
Rainelle	Gauley		T.	.85	.01	.05	.50	.02			.56	.03	.18	.03	.35	.20	.01	.06	.16	T.	.13			.02	.09	T.	.90			.09	.04		4.28
Ravenswood (Dam 22	Ohio			.13		.06	.63			.29	.17	.03	.05		.46	.05	.06	.15	.10					.28	.27	.05	.30			.03	.35	.23	3.69
Richwood[1]	Gauley		.35	.14	.02	.72	.02			.10	.30	.22	.05	.20	.75		.10	.28			.35			.35		.73			.08	.10	.06	.08	5.00
Robertsburg[1]	Gr. Kanawha.			.32	.11	.02	.46	T.			.14	.05	.06	T	.16	.09	.05	.14	.02		T.	.18		.36	.37		.13			.03	.61	.13	3.43
Ryan	do			.37	.01		.70				.25	.56		.05	.06			.34	.12				.07	.29	.10		.20			.03	.35	.10	3.60
Sharples[1]	Coal		T.	1.13	T.						1.48			T.	.24		T.	T.									1.97			T.	T.		4.82
Spencer[1]	Litl.Kanawha	T.		.34	.04	.03	.61	T.			.17	.07	.09		.34	.11	.07	.48	.09			.07		.25	.37		.24			.05	.20	.20	3.82
Summersville[1]	Gauley			.63	.14		.73				.32	.23	.12			.31		.12	.31			.23			.42		.58			.08	.49	.10	4.81
Sutton	Elk			.65			.85				.30	.15		.10	.15	T.	.10	.40			.10			.60	.90		.25				.50	.10	5.15
Thornwood[1]	Greenbrier				.33	.37		.07		.21			.15	.17	.14								.09		.80						.06	.52	2.91
Union	New	.07		1.00				.40			.61		.07			.23	.04	.35	.05					.03	.03		.84						3.72
Wayne[1]	Twelvepole	*		.63	.11		.78				.42	.12			.13	.50	.15	.14	.23	.10	.05		2.44	.22	.21		.74			.02	.01	.10	7.10
White Sulp'r Spgs.[1]	Greenbrier		.75	.20	.05	.05				.40	.35	.05			.20			.05			.10					1.00	1.00						4.20
Williamson[1]	Big Sandy			1.34	.19	T.	.52				.75	.17	.04		.02	.28	T.	.38	.16		.01			.13	.24	T.	.40				.03	.03	4.69

Supplemental Rainfall Data—Totals: Elk.. 4.32 Mt. Clare.. 3.18 Parsons No.2.. 3.36 Salem.. 3.90 Shinnston.. 4.41 Valley Head.. 3.08 Winfield Locks.. 3.95

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

[1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.

* Precipitation included in next following measurement.

[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight.

T. Trace, or less than 0.01 inch.

Daily Temperatures for March 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	35	50	38	57	72	57	37	45	43	36	40	50	58	56	43	58	53	47	72	60	75	80	78	58	57	50	50	62	61	68	70	55.4
	Minimum	8	12	33	20	20	28	22	22	25	23	23	26	38	39	30	21	35	35	30	35	45	30	35	35	18	23	25	19	25	30	42	27.5
Brandywine	Maximum	45	60	50	35	74	70	45	55	54	50	50	55	62	65	60	59	62	57	75	72	78	82	78	70	61	68	64	65	66	65	77	62.2
	Minimum	15	25	32	27	29	32	27	28	27	30	22	30	36	38	40	40	38	42	25	45	37	36	50	42	21	40	30	25	35	49	47	33.5
Kearneysville	Maximum	50	57	53	28	63	56	50	55	55	49	42	59	58	53	50	44	48	58	70	73	75	82	77	72	55	65	60	58	60	62	61	58.0
	Minimum	19	34	23	17	27	34	32	37	29	29	11	28	42	40	34	35	40	42	34	52	45	42	56	45	29	41	34	24	33	39	50	34.7
Martinsburg[1]	Maximum	51	61	48	46	60	45	52	52	55	35	35	60	60	50	45	45	50	58	72	74	79	86	80	58	58	55	60	65	62	62	60	57.4
	Minimum	17	27	44	17	18	34	34	33	32	30	14	15	35	44	35	35	34	40	34	41	50	45	45	50	32	37	32	28	32	38	45	33.8
McNeill	Maximum	50	43	44	32	73	70	74	55	53	48	46	48	64	58	53	50	54	57	77	74	71	79	79	77	63	63	67	65	68	69	71	61.1
	Minimum	20	24	28	22	27	36	31	31	27	29	11	27	25	41	35	33	40	40	22	46	33	32	47	43	20	27	20	34	40	35	52	31.5
Piedmont	Maximum	44	56	41	29	77	46	43	52	48	37	47	55	63	50	48	43	49	45	73	60	75	83	83	52	56	61	57	64	58	65	70	55.8
	Minimum	18	38	29	22	27	42	31	38	32	29	25	32	34	48	35	35	40	43	32	50	45	40	52	41	26	42	27	33	32	39	56	35.9
Romney	Maximum	46	53	53	30	61	61	44	52	52	47	44	56	57	57	50	45	50	49	68	68	71	82	81	75	58	58	55	61	61	61	68	57.2
	Minimum	21	42	28	22	29	34	32	41	35	30	18	33	40	45	36	37	41	45	29	50	45	40	53	44	26	44	35	26	30	34	54	36.1
Wardensville	Maximum	49	61	47	43	75	42	49	51	53	41	44	50	65	52	49	52	54	52	74	68	77	81	78	72	59	65	58	64	64	65	67	58.7
	Minimum	19	25	42	21	21	41	30	30	25	25	13	22	35	41	34	34	39	42	25	44	41	37	51	42	25	42	34	24	27	18	27	31.5
Northern Division																																	
Bens Run	Maximum	47	49	51	43	69	48	45	55	47	43	40	58	60	53	64	73	64	49	72	64	79	83	75	61	66	61	60	69	75	74	73	60.3
	Minimum	22	23	28	25	41	31	31	38	28	32	25	34	45	46	41	50	46	40	33	51	42	44	57	41	33	51	33	32	43	55	57	38.6
Buckhannon	Maximum	41	52	48	49	74	70	42	52	50	43	43	53	62	62	60	68	64	50	70	68	71	80	80	68	67	60	53	62	72	71	75	60.6
	Minimum	17	32	32	32	43	30	29	40	18	33	33	33	43	43	40	52	45	40	32	42	47	42	57	41	30	50	33	30	38	51	55	38.2
Cairo	Maximum	47	55	53	48	57	57	72	50	57	45	43	52	54	64	68	70	74	56	75	72	79	85	76	76	63	62	66	69	77	69	69	63.2
	Minimum	15	22	33	25	32	36	30	40	25	35	22	29	32	40	42	50	49	40	27	34	39	39	34	27	34	32	27	35	48	49	44	34.4
Clarksburg[1]	Maximum	45	54	42	58	74	56	44	52	45	42	42	56	63	61	67	71	56	45	73	64	76	84	82	50	68	60	56	65	75	73	75	60.5
	Minimum	20	33	40	28	29	33	31	33	25	29	28	29	35	41	42	43	49	39	28	30	42	38	42	39	28	31	30	27	32	41	49	34.3
Creston	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	16	34	30	28	37	32	30	40	20	35	28	31	45	40	51	48	38	26	48	40	38	45	39	38	30	30	30	38	30	49	48	35.9
Elkins	Maximum	41	51	44	49	76	48	39	48	46	40	40	52	59	61	70	60	56	41	74	61	74	79	77	52	66	58	51	65	69	65	73	57.6
	Minimum	15	36	28	29	40	26	26	39	27	31	32	31	47	46	45	51	41	34	27	53	45	38	52	30	25	41	31	26	47	53	48	36.8
Fairmont	Maximum	47	54	40	57	73	57	43	52	43	41	41	56	61	55	65	72	55	51	71	65	79	85	84	62	65	55	58	69	76	72	76	60.6
	Minimum	18	22	38	24	27	32	20	31	26	30	28	31	34	48	41	42	50	41	31	39	41	41	48	39	29	34	31	28	33	43	58	34.8
Glenville	Maximum	48	55	52	49	77	73	48	57	57	48	44	60	63	65	72	74	73	52	77	68	81	86	84	75	68	69	62	72	74	73	74	65.5
	Minimum	19	23	34	31	39	30	30	42	46	35	26	29	42	46	43	51	49	40	28	44	41	40	57	41	29	50	32	28	39	50	50	38.2
Grafton	Maximum	49	57	54	54	77	72	46	55	54	45	43	57	62	61	69	72	74	53	73	72	79	83	87	82	71	69	58	64	73	76	75	65.0
	Minimum	19	23	31	27	43	30	29	39	24	32	25	30	42	46	41	44	47	40	29	47	40	39	55	40	28	49	30	26	35	49	51	36.5
Lost Creek	Maximum	45	50	50	55	71	71	42	50	50	44	40	54	54	63	66	69	69	49	68	62	74	81	79	71	65	63	56	60	71	72	71	60.8
	Minimum	17	32	33	30	40	30	30	40	22	32	25	30	45	45	41	43	48	37	25	50	39	36	55	39	25	52	29	24	31	56	50	36.5
Mannington	Maximum	44	54	47	45	72	69	42	50	47	43	40	54	58	53	63	69	66	51	69	62	73	81	81	65	64	59	56	62	72	72	74	59.9
	Minimum	18	32	32	23	39	31	30	38	23	32	22	30	42	45	41	43	47	41	27	48	37	36	55	38	26	47	28	24	31	47	50	35.6
Morgantown	Maximum	38	35	38	38	60	59	36	40	38	40	38	40	48	40	40	39	44	70	75	78	79	80	80	77	53	55	55	57	60	72	75	54.1
	Minimum	13	29	28	29	38	18	18	30	33	33	28	33	33	33	34	30	36	40	38	38	40	44	42	40	28	33	29	35	40	60	61	34.3
New Cumberland	Maximum	49	51	44	39	66	55	49	45	43	47	42	55	54	52	59	81	68	52	73	67	76	88	79	65	60	59	56	64	72	75	75	60.0
	Minimum	17	36	26	13	36	27	31	32	22	29	21	30	41	41	38	46	48	37	32	38	39	40	49	38	30	36	30	26	34	48	44	34.0
New Martinsville	Maximum	48	49	48	38	65	57	40	50	50	65	40	59	56	55	65	75	67	50	70	68	78	82	80	74	60	50	58	60	74	75	73	60.6
	Minimum	15	25	22	20	30	25	25	30	20	25	22	25	50	40	38	45	42	40	41	50	45	44	60	42	42	40	32	27	30	48	47	35.1
Parkersburg	Maximum	49	53	44	47	70	45	46	53	43	45	41	58	62	58	66	74	55	50	72	66	77	83	72	52	63	59	57	66	76	73	73	59.6
	Minimum	22	40	26	22	45	31	32	38	30	32	25	31	50	44	42	53	40	40	36	53	42	47	47	40	35	42	36	33	50	60	52	39.2
Parsons	Maximum	[illegible]	55	46	52	77	67	48	50	45	39	43	54	58	60	65	63	60	48	75	69	78	83	80	63	65	60	53	72	70	68	74	60.7
	Minimum	15	27	32	30	29	28	28	38	27	27	28	30	42	55	40	39	40	39	29	28	45	38	52	34	26	45	31	26	36	48	45	34.7
Pickens	Maximum	38	47	42	49	72	61	51	49	45	42	37	59	45	52	72	65	58	52	72	64	75	78	76	62	64	55	51	58	68	63	69	57.8
	Minimum	8	23	25	27	36	21	20	31	21	28	26	26	27	35	40	48	38	30	28	48	39	40	50	30	24	43	27	24	39	50	50	32.3
Wellsburg	Maximum	47	49	46	40	66	66	43	48	46	46	46	56	54	52	59	70	67	54	71	65	76	84	76	66	60	60	58	65	74	75	76	60.0
	Minimum	16	34	22	13	36	27	30	31	20	27	17	25	41	43	38	42	46	39	27	48	32	36	55	38	26	44	26	22	30	46	51	33.2
Weston	Maximum	46	51	50	50	74	37	47	56	54	43	41	57	56	65	70	70	68	53	70	69	78	82	80	68	69	68	58	66	72	70	71	61.6
	Minimum	19	32	34	32	37	30	30	41	27	34	32	34	47	47	43	52	50	39	29	50	45	41	57	40	29	51	32	29	36	56	55	39.0
Wheeling	Maximum	47	49	39	41	65	35	42	48	40	42	42	55	52	50	61	71	55	60	66	60	75	79	77	62	62	58	57	65	72	65	73	56.6
	Minimum	18	24	32	16	19	32	32	33	24	25	23	24	34	46	40	40	46	40	33	35	42	42	45	40	32	34	31	29	30	40	54	33.4
Southern Division																																	
Beckley	Maximum	45	49	47	48	70	64	42	54	52	47	39	51	59	62	73	66	48	45	66	67	76	80	72	62	64	68	54	66	70	74	74	59.8
	Minimum	9	27	34	28	33	26	23	31	24	31	27	28	41	49	45	42	39	33	27	43	33	41	55	34	23	45	33	25	42	50	57	34.8
Bluefield	Maximum	47	48	51	46	70	66	46	56	53	48	42	52	59	67	72	65	62	54	74	73	75	78	70	66	62	67	65	66	65	77	76	61.9
	Minimum	15	31	39	33	34	28	23	35	31	33	31	32	43	44	50	43	40	32	30	43	39	48	56	38	27	48	34	30	47	56	60	37.8
Charleston	Maximum	49	55	47	53	78	56	56	42	50	42	43	60	53	68	74	77	59	54	76	58	79	84	82	63	70	64	62	70	74	74	74	62.8
	Minimum	21	26	31	34	35	48	32	33	30	32	31	31	33	35	45	45	51	41	43	36	41	47	52	43	34	34	42	35	49	51	56	38.6
Gary[1]	Maximum	50	54	51	63	72	63	49	57	55	45	44	58	67	71	76	70	59	58	77	69	76	82	76	59	70	69	58	70	73	80	77	64.5
	Minimum	15	16	27	37	38	40	30	29	27	29	36	31	33	45	51	53	49	40	31	33	42	42	44	43	30	34	37	28	32	52	52	36.3
Hinton[1]	Maximum	53	53	50	47	74	43	53	61	55	45	46	61	63	74	80	64	52	58	78	70	85	84	77	54	68	68	62	60	70	78	76	63.3
	Minimum	18	18	35	29	32	32	29	29	28	35	30	30	30	29	43	47	47	40	32	38	42	40	41	42	30	36	40	30	35	42	48	34.7
Huntington	Maximum	51	54	54	50	73	68	50	62	55	47	42	62	61	63	69	77	73	56	74	68	82	86	71	59	67	65	61	69	74	73	73	64.2
	Minimum	23	30	37	33	44	32	31	34	30	37	29	32	47	48	43	56	50	41	35	55	42	47	58	42	35	57	36	35	52	61	56	41.5
Lewisburg	Maximum	42	48	50	42	70	64	44	54	51	48	42	52	59	63	70	58	56	49	69	65	71	76	72	66	61	64	55	63	65	72	74	59.2
	Minimum	18	32	41	33	30	30	26	34	34	34	33	32	40	44	49	43	45	37	31	51	40	45	58	40	28	44	36	33	42	49	53	38.2
Madison	Maximum	21	52	55	47	62	77	37	51	50	54	42	53	62	66	65	79	77	51	59	76	64	81	84	80	55	68	56	65	73	77	74	61.7
	Minimum	17	20	29	33	35	35	31	30	28	31	31	30	30	49	46	47	48	40	31	35	43	44	49	42	31	35	37	31	35	54	53	36.5
Marlinton	Maximum	44	53	44	41	73	65	44	54	52	47	41	52	55	63	70	62	60	52	73	62	73	78	74	67	61	62	58	63	66	78	78	60.2
	Minimum	11	23	30	29	32	26	25	34	27	35	26	30	32	38	46	41	40	42	25	50	35	34	45	39	23	42	35	26	42	42	47	34.0
Point Pleasant	Maximum	51	54	52	48	73	71	50	59	57	47	45	61	61	63	71	77	75	58	75	71	82	85	73	60	67	64	62	69	77	75	72	64.7
	Minimum	21	29	34	26	39	32	30	34	30	35	24	28	45	48	41	55	49	40	33	55	42	43	57	41	33	56	35	33	47	58	57	39.7
Rainelle	Maximum	43	48	43	41	73	64	44	54	57	57	39	54	54	54	72	69	56	52	69	69	77	77	77	77	57	66	53	63	73	70	63	60.2
	Minimum	3	14	35	30	30	27	24	31	23	30	29	29	31	41	44	43	42	34	24	38	35	32	36	35	20	45	32	26	43	43	28	31.5
Ravenswood	Maximum	49	51	52	47	68	67	46	54	56	46	44	57	56	60	69	68	67	53	65	68	78	77	75	61	64	64	62	68	76	77	72	61.9
	Minimum	19	28	32	25	43	32	31	41	28	34	24	29	48	45	41	54	47	39	32	54	42	45	56	40	32	52	32	31	49	59	60	39.5
Richwood	Maximum	47	57	44	52	73	63	59	52	50	46	41	54	58	63	72	64	55	53	74	69	75	79	74	74	64	58	53	67	67	71	71	61.3
	Minimum	6	37	31	33	33	25	26	26	26	32	33	37	44	46	46	44	36	29	47	41	39	38	39	28	29	34	28	29	45	53	45	35.0
Robertsburg[1]	Maximum	56	57	48	50	72	50	47	70	45	49	41	51	59	72	75	78	57	62	80	67	80	86	76	61	75	73	60	71	77	73	75	64.3
	Minimum	19	24	38	29	28	35	32	30	28	32	25	29	35	46	42	43	50	42	31	34	40	44	54	40	31	35	34	32	36	53	54	36.3
Ryan	Maximum	48	54	48	51	75	69	46	55	47	43	41	55	60	63	75	73	58	50	75	65	75	80	75	60	67	62	65	68	75	67	74	61.9
	Minimum	14	21	34	31	36	31	30	34	23	36	28	30	39	46	42	53	46	39	27	45	38	40	49	40	27	51	31	27	32	50	49	36.1
Spencer[1]	Maximum	49	50	44	51	75	33	48	57	47	42	44	62	62	63	71	73	53	51	75	64	78	85	77	55	67	65	59	69	76	70	72	60.9
	Minimum	17	24	40	31	41	32	31	36	25	37	30	34	40	48	43	44	49	39	30	53	41	41	45	41	30	55	33	29	48	50	56	38.5
Sutton	Maximum	48	52	52	53	76	76	46	55	55	47	40	59	59	60	73	73	70	60	77	77	79	81	81	77	69	69	60	66	73	73	65	64.5
	Minimum	16	22	35	31	42	30	29	40	25	36	30	29	37	45	44	43	47	39	27	46	41	39	49	38	26	46	33	28	37	50	48	36.4
Union	Maximum	45	47	47	41	70	65	43	54	53	49	40	49	60	66	71	71	57	47	72	70	74	78	74	67	63	64	59	66	65	74	75	60.5
	Minimum	15	21	42	30	29	32	25	26	25	37	31	30	44	33	48	43	43	36	26	43	34	39	57	39	24	44	34	25	38	47	51	35.2
White Sulphur Spgs.	Maximum	49	44	47	42	72	40	52	59	56	40	47	55	60	61	70	60	58	50	72	70	70	78	72	59	54	62	58	64	68	74	78	59.4
	Minimum	10	11	27	34	28	32	22	29	26	39	33	30	30	37	40	40	37	25	28	36	38	32	44	43	21	25	34	21	31	38	39	31.0
Williamson[1]	Maximum	53	57	49	60	73	50	51	60	52	49	48	64	68	66	77	76	63	61	73	70	81	82	75	65	69	66	59	71	76	80	75	65.1
	Minimum	19	19	29	36	38	37	31	31	31	33	36	33	36	41	48	48	50	41	35	37	45	46	50	44	35	38	40	32	34	57	58	38.3

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 4-29-38—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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S. S. SCHWORM

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VOL. XLVI PARKERSBURG, W. VA., APRIL 1938 No. 4

GENERAL SUMMARY

April averaged much warmer and slightly drier than usual. The last two decades were almost continuously above normal, culminating with a temperature of 92° on the 27th-28th. The warm dry weather caused a marked advance in germination, growth and farm work.

Rainfall, somewhat below the average, was favorably distributed over the State and throughout the month. The rainy periods were the first decade, and the 18th-22d, with the heaviest rainfall generally on the 8th-10th. This heavy rain caused a sharp rise in the Ohio river and tributaries, but no flood resulted. Snowfall was half the normal. High winds and heavy hail, accompanying scattered thunderstorms, did much damage in the southern part of the State on late afternoon of the 18th. Considerable loss to young plants, fruit trees, roofs and houses resulted. The number of clear days and the percentage of sunshine were well above the normal.

There was some injury to fruit from frost and freezing temperature in north-central counties, apples being reported seriously damaged. Light to heavy hail fell in Mingo County on the 18th, causing an estimated damage of $1,000 to $1,500 in the vicinity of Chataroy and Williamson.—*H. C. D.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 56 stations, was 54.8°, or 3.0° above the normal. The mean for the northeastern panhandle division was 52.6°; for the northern division, 54.6°; and for the southern division 55.8°. The highest monthly mean was 59.6° at Charleston and Huntington and the lowest, 45.4° at Bayard. The highest temperature was 92° at McNeill on the 27th and at Martinsburg on the 28th and the lowest, 18° at Pickens on the 10th and Bayard on the 11th. The greatest daily range was 57° at Bayard on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 103 stations, was 3.06 inches, which is 0.45 inch below the normal. In the northeastern panhandle division the average was 1.72 inches; in the northern division, 3.27 inches; and in the southern division 3.14 inches. The greatest monthly precipitation was 4.90 inches at Charleston and the least, 1.08 inches at Wardensville. The greatest amount in any 24 consecutive hours was 2.01 inches at Point Pleasant on the 9th. The average monthly snowfall was 0.9 inch, or 0.9 inch below normal. The greatest monthly snowfall was 6.5 inches at Camden-on-Gauley. The average number of days with .01 inch or more of precipitation was 10.

ERRATA

March 1938: Average precipitation for the State should read 4.02 inches. Brandywine: Precipitation on 3d, 0.10 inch; total for the montn, 2.20 inches. Madison: Mean temperature, 49.1°.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	..	..	..	3	1	1	..	1	..	1	1	..	1	..	..	2	..	3	..	..	..	..	7	1	1	..	1	..
Gales	..	..	1	2	..	..	1	2	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	..	1	5	..	..
Glaze	..	..	..	..	..	..	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	1	..	..	..
Halos, lunar	..	..	..	..	..	..	..	1	2	..	2	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	2	..	..	1	1	..	..	..	..	..	1	..	..	..	1	1	1	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Sleet	..	..	1	..	..	..	3	3	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	4	3	..	..	..	..	..	..	..	3	23	5	5	1	..	..	..	..	..	..	6	8	..	..
Killing frost	..	..	..	..	..	..	..	..	..	9	36	..	..	..	..	..	..	..	..	..	..	2	24	8	1	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.04	30.36	23	29.47	8	8.8	24	sw.	3	76	53	54	67
Columbus, Ohio	30.03	30.37	23	29.45	9	10.8	35	sw.	17	72	49	56	67
Elkins	30.07	30.40	27	29.19	9	7.4	34	w.	17	80	50	54	70
Parkersburg	30.03	30.37	23	29.29	9	6.9	30	nw.	18	79	46	49	72
Pittsburgh, Pa	30.03	30.38	26	29.25	9	11.9	34	nw.	18	74	51	57	65
Wytheville, Va	30.07	30.37	27	29.36	9	7.4	30	w.	9	77	53	60	58

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	......	......	1.64	3.08	2.50	2.81	......	......	......	......	......
1892	50.6	87	17	3.16	4.31	4.83	4.28	......	7	......	......	......
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	......	9	11	9	10
1896	57.7	95	12	1.56	2.20	2.06	2.06	......	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	......	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	......	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	1.35	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	7.05	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	45.6	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	**−4**	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	.9	10	14	9	7
Period	51.8	101	−4	3.09	3.67	3.46	3.51	1.8	11	11	8	11

Climatological Data for April 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	45.4	+1.7	82	27	18	11	57	3.01	−0.83	0.76	2.5	10	17	4	9	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	54.0	+4.1	87	27	24	11	44	1.25	−1.42	.30	T.	6	22	0	8	sw.	E. L. Keister
Harpers Ferry	Jefferson	244	49	.....	.....	.....	.....	.....	.....	....	1.85	−1.40	.96	.0	7	....	....	....	......	Miss Eleanor White
Kearneysville	Jefferson	548	8	54.4	.....	88	28	28	11	41	1.52	....	.71	.0	6	11	12	7	s.	University Exp. Station
Martinsburg	Berkeley	435	46	55.2	+3.6	92	28	27	11	45	1.92	−1.19	.60	T.	9	20	7	3	ne.	Dr. H. S. Gardner
McNeill	Hardy	800	42	53.3	+1.5	92	27	19	11	52	1.24	−1.72	.62	.0	7	8	15	7	w.	R. E Saville
Piedmont	Mineral	1,053	25	52.5	+2.1	88	26	26	11	43	1.76	−1.25	.54	.0	7	11	12	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	40	53.4	+1.7	85	†28	24	11	43	1.18	−1.79	.30	T.	7	17	7	6	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	.....	.....	.....	.....	.....	.....	....	2.75	....	.81	4.0	10	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	18	.....	.....	.....	.....	.....	.....	....	1.38	−2.37	.75	.0	5	4	9	17	w.	A. C. Becker
Wardensville	Hardy	1,200	17	52.6	+3.0	87	28	24	11	44	1.08	−1.43	.48	.0	6	16	5	9	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	.....	.....	.....	.....	.....	.....	....	2.92	−.88	1.46	1.0	11	7	16	7	w.	L. Else Bond
Alma (near)	Tyler	800	11	.....	.....	.....	.....	.....	.....	....	3.34	−.03	1.33	.0	10	17	4	9	......	H. W. & T. J. Furbec
Benson	Harrison	1,080	14	54.2	+1.6	85	27	22	11	45	3.75	+.54	1.40	1.0	9	9	18	3	......	R. D. Marts
Bens Run	Tyler	652	36	56.9	+4.1	89	27	31	10	49	3.71	+.15	1.14	T.	10	24	1	5	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	58.4	+6.1	88	29	25	11	44	3.36	.00	.98	.0	10	12	15	3	......	M. W. Hawkins
Buckhannon	Upshur	1,411	41	56.0	+4.9	82	†27	29	†10	36	3.49	−.40	.55	T.	12	19	6	5	......	H. A. Darnall
Cairo	Ritchie	680	37	.....	.....	^{h}87	28	^{h}26	14	^{h}54	....	......	....	....	..	....	....	....	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	55.3	+4.1	87	27	26	11	43	2.34	−1.03	.59	.0	11	15	9	6	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	15	.....	.....	.....	.....	.....	.....	....	2.89	−1.34	1.10	1.0	11	13	13	4	sw.	George W. Blair
Creston	Wirt	640	36	54.6	+1.2	89	†27	28	†9	46	3.43	−.23	1.00	T.	12	13	13	4	......	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17	.....	.....	.....	.....	.....	.....	....	3.67	+.20	1.05	1.5	12	....	....	....	......	Lockmaster
Dam 13 O. R.	Ohio	655	22	.....	.....	.....	.....	.....	.....	....	3.69	+.37	1.05	.0	12	....	....	....	......	Lockmaster
Dam 15 Mon. R.	Marion	882	17	.....	.....	.....	.....	.....	.....	....	3.79	+.50	1.87	.0	11	....	....	....	......	Lockmaster
Dam 19 O. R.	Wood	600	22	.....	.....	.....	.....	.....	.....	....	4.31	+1.13	1.15	.0	11	....	....	....	......	Lockmaster
Dam 20 O. R.	Wood	600	22	.....	.....	.....	...	.....	.....	....	3.89	+.65	1.18	.0	11	..	....	....	......	Lockmaster
Davis	Tucker	3,093	29	.....	.....	..	.....	.....	.....	....	3.18	−.49	1.41	5.0	8	....	....	....	......	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	26	.....	.....	.....	.....	.....	.....	....	3.01	−.16	.70	.0	10	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	37	52.4	+3.6	83	28	25	10	40	2.62	−1.00	.90	3.4	14	6	12	12	w.	U. S. Weather Bureau
Fairmont	Marion	883	32	56.4	+4.6	90	27	28	3	44	3.49	+.22	1.03	1.6	9	17	4	9	w.	J. C. Robinson
Glenville	Gilmer	738	44	58.4	+4.5	90	28	26	11	46	3.41	−.35	.72	T.	11	11	12	7	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	56.6	−5.1	88	†17	26	11	42	2.82	−.47	.76	.1	11	12	12	6	......	L. W. Clayton
Hastings	Wetzel	809	3	.....	.....	.....	.....	...	.....	....	3.64	....	1.29	T.	13	10	12	8	w.	L. G. McIntyre
Horner	Lewis	1,044	15	.....	.....	.....	.....	.....	.....	....	2.75	−.61	.75	.0	8	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	15	.....	.....	.....	.....	...	.....	....	2.73	−.92	.78	.0	12	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	55.7	+5.1	85	27	24	11	45	3.21	−.21	1.65	T.	10	14	7	9	w.	Allen Smith
Mannington	Marion	974	35	53.7	+2.6	85	27	25	†10	44	3.41	−.29	1.12	2.8	15	11	10	9	w.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45	56.6	+4.9	90	27	29	†3	44	3.16	+.01	1.35	2.0	10	....	....	....	......	Bruce Davis
New Cumberland	Hancock	671	40	54.2	+5.0	89	27	24	5	45	3.45	+.17	1.18	1.5	12	11	1	18	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	53.6	+.5	86	27	24	11	45	3.41	−.09	.95	.8	7	17	6	7	s.	Wm. Ankrom
Parkersburg	Wood	615	51	56.4	+3.0	87	27	31	10	36	3.43	+.24	1.30	T.	9	13	8	9	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	52.2	+3.0	87	26	25	11	46	2.61	−1.15	....	1.0	6	18	7	5	......	J. W. Swisher
Philippi	Barbour	1,550	41	.....	.....	.....	.....	.....	.....	....	2.99	−.82	1.21	4.0	10	....	....	....	......	H. F. Brittingham
Pickens	Randolph	2,697	35	51.0	+2.9	80	†26	18	10	41	3.36	−1.83	1.18	4.0	9	16	8	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	.....	.....	.....	.....	.....	.....	....	2.95	−.63	1.04	.1	11	17	5	8	......	Miss Mary A. Conrad
Saint Marys	Pleasants	577	30	.....	.....	.....	.....	.....	.....	....	4.48	+1.06	1.30	.0	13	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	37	47.0	+.2	81	27	20	11	45	3.60	−.50	1.00	2.0	7	^{d}15	^{d}1	^{d}10	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	.....	.....	.....	.....	.....	.....	....	3.08	....	1.02	5.0	13	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	15	56.9	+3.8	87	28	25	10	42	3.00	−.41	1.15	1.0	12	17	6	7	sw.	J. C. Campbell
Vandalia	Lewis	1,120	15	.....	.....	.....	.....	.....	.....	....	2.72	−.98	1.00	.0	7	....	....	....	......	James B. Kelley
Wellsburg (near)	Brooke	668	31	52.6	+3.0	89	27	22	5	50	3.72	+.56	1.37	T.	11	16	5	9	w.	George P. Pfister
West Milford	Harrison	979	13	.....	.....	.....	.....	.....	.....	....	3.42	−.40	1.21	.0	9	....	....	....	......	Miss Dicie E. Wagner
Weston	Lewis	1,026	43	57.8	+5.0	83	27	28	11	41	3.27	−.24	.88	1.0	11	11	16	3	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	53.4	+1.8	85	27	29	5	40	4.68	+1.45	.91	.5	14	10	10	10	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	.....	.....	.....	.....	.....	.....	....	1.93	−1.29	.75	1.5	11	15	8	7	w.	H. S. Sutton
Bancroft	Putnam	574	34	.....	.....	.....	.....	.....	.....	....	3.26	−.17	.98	T.	11	5	16	9	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	53.4	+3.2	84	27	22	3	39	3.19	−.29	.77	2.7	14	11	11	8	......	L. A. Mauck
Bluefield	Mercer	2,558	43	54.6	+1.0	82	27	23	3	38	2.76	−.35	.67	.0	12	12	9	9	......	Norfolk & Western Ry.
Charleston	Kanawha	602	35	59.6	+3.3	88	27	34	†3	46	4.90	+1.03	1.19	T	12	14	6	10	......	Charleston Daily Mail
Clay	Clay	790	22	.....	.....	.....	.....	.....	.....	....	3.19	+.25	1.19	2.0	11	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,260	..	51.0	.....	76	26	20	3	31	3.03	....	.93	3.2	12	....	....	....	....	U.S. Airway Station
Gary	McDowell	1,426	22	56.3	+2.9	87	27	28	11	44	2.98	−.51	.76	T.	13	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	56.2	.....	86	27	31	†3	44	2.88	......	.99	T.	13	10	15	5	sw.	State Forest Nursery
Hinton	Summers	1,431	41	56.7	+3.5	91	27	26	11	48	2.44	−.76	.68	T.	11	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	22	.....	.....	.....	.....	.....	.....	....	4.69	+1.42	1.24	.0	12	....	....	....	......	Lockmaster
Huntington	Cabell	571	41	59.6	+5.0	88	27	32	†3	38	3.88	+.37	1.39	T.	12	6	18	6	sw.	H. N. Robinson
Institute	Kanawha	616	..	58.9	....	88	27	30	11	44	3.79	....	1.51	T.	11	....	....	....	......	Bureau of Air Commerce
Kanawha Falls	Fayette	618	19	.....	.....	.....	.....	.....	.....	....	2.58	−1.14	.70	T.	8	....	....	....	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	22	.....	.....	.....	.....	.....	.....	....	.....	....	.....	.....	.....	....	....	....	......	Cabin Creek. Con Coal Co
Lewisburg	Greenbrier	2,250	38	55.0	+4.5	80	27	27	†3	33	1.59	−1.73	.50	T.	8	14	9	7	......	J. K. Monroe
Logan	Logan	700	35	.....	.....	.....	.....	.....	.....	..	4.44	+.29	1.03	T.	12	....	....	....	....	Paul A. Simonds
London	Kanawha	623	2	58.2	.....	88	27	31	11	43	3.18	......	1.09	.0	11	17	0	13	w.	Lockmaster
Madison	Boone	675	17	57.8	+3.5	87	27	30	11	43	3.25	−.59	.77	.0	9	19	5	6	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	51.8	+5.0	84	27	22	†3	44	2.27	−1.35	.55	.3	12	11	8	11	sw.	U. S. Forest Service
Point Pleasant	Mason	595	45	58.7	+3.8	88	27	32	10	38	4.81	+1.50	2.01	.0	11	19	3	8	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	50.0	.....	81	†27	21	11	44	3.38	....	1.07	3.0	13	9	5	16	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	57.7	+3.9	87	27	31	3	41	3.65	+.49	.98	.0	11	16	6	8	sw.	Lockmaster
Richwood	Nicholas	2,193	8	53.0	.....	83	†27	26	†2	39	3.00	....	.95	5.0	12	4	17	9	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	58.5	+5.5	86	†15	31	11	42	2.98	−.33	.93	.0	11	22	0	8	......	M. Frazier
Ryan	Roane	700	35	55.6	+3.6	85	†15	26	11	44	3.47	−.31	1.50	1.0	10	16	9	5	......	Wm E. Ryan
Spencer	Roane	789	34	56.2	+3.4	87	27	29	11	42	3.70	+.31	.99	T.	12	7	18	5	......	A. M. McKown
Summersville	Nicholas	1,894	5	.....	.....	.....	.....	.....	.....	....	3.88	....	.80	.0	8	....	....	....	......	Mrs. Anna Taylor
Sutton	Braxton	850	32	56.6	+3.8	88	†27	26	11	46	3.55	−.30	.70	2.0	9	20	0	10	......	C. B. Eakle
Union	Monroe	2,250	34	52.8	+1.0	82	†27	23	11	40	1.61	−1.28	.43	.0	11	12	7	11	......	C. B. King
Wayne	Wayne	598	11	.....	.....	.....	.....	.....	.....	....	2.76	−.90	.72	.0	7	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	53.8	+2.4	87	27	21	11	47	1.60	−1.68	.50	.0	7	14	5	11	......	White Sulphur Spgs. inc.
Williamson	Mingo	673	38	58.2	+2.7	85	27	31	3	38	4.77	+1.09	1.24	T.	12	13	11	6	se.	J. E. Dotson
State averages and extremes		......	....	**54.8**	**+3.0**	**92**	**†27**	**18**	**†10**	**57**	**3.06**	**−.45**	**2.01**	**.9**	**10**	**14**	**9**	**7**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates.

Daily Precipitation for April 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac			.03				.30	.26	.07	.23							T.	.04	.76		.49	.43							.40			3.01
Brandywine	do			T.				.30	.15	T.									.25	.30		.10	.15										1.25
Harpers Ferry[1]	do	T.		T.				.01	.32	.38	.06								T.	.96		.03	.09										1.85
Kearneysville	do							.16	.40	.05									.49	.22		T.	.20										1.52
Martinsburg[1]	do	.02		T.	T.			.05	.30	.30	.10									.60		.10	.40	.05									1.92
McNeill	do						T.	.22	.09	.07									.22	.40		.02	.22								T.		1.24
Piedmont	do							.24	.54	.09	T.								.28	.38			.13							.10			1.76
Romney	do			T.				.23	.14	.10									.30	.11		.15	.15										1.18
Spruce Knob[1]	do			.04	T.		T.	.42	.28	.14	.29								.13	.68		.16	.52	.09									2.75
Stony River Dam[1]	do																		.15	.75		.13	.30										1.38
Wardensville[1]	do							.17	.30	.03	.02								T.	.48			.08										1.08
Northern Division																																	
Aberdeen	West Fork		.01	.02	T.			.15	.35	.62	.10							T.	1.05	.41	T.	.02	.11							.08	T.		2.92
Alma (near)	Ohio		.08				.02	.06	.48	1.10									1.33	.04	.05	.01								.17			3.34
Alpena	Cheat			.11	.05	.03		.27	.12	.36	.20								.50	.44	.27	.35	.38							.20	.07		3.35
Benson	West Fork		.02		.05			.15	.40	1.40	.08								.90	.65			.10										3.75
Bens Run	Ohio		.03		.05		T.	.20	.80	1.11								.25	1.14	.03	T.	T.	.06							.04			3.71
Brownsville	West Fork		.10	.02				.25	.31	.65	.17								.98	.56										.22	.10		3.36
Buckhannon	Tygart		T.	.04				.20	.28	.44	.15								.48	.55	.40	.38	.07							.40	.10		3.49
Cairo	Litl.Kanawha									.72	1.09								.67	.59			.10							.18			3.35
Clarksburg[1]	West Fork	.07			.04	.01		.02	.17	.38	.59								.48	.48			.08							.02			2.34
Crawford	do		T.	T.	T.	.03		.21	.32	.42	.03								1.10		.07	.09	.21							.35	.06		2.89
Creston[1]	Litl.Kanawha		.01	.02				.20	.30	.93	.60							.07	1.00	.18	.02	.05								T.	.05		3.43
Dam 10, Mon. R.[1]	Monongahela	.14		.11	.04			.01	.30	.63	1.05								.25	.69		.10	.23							.12			3.67
Dam 13, O. R.[1]	Ohio	.25		.04			.05	.74	.41	.31	1.05								.06	.49		.21	.03							.05			3.69
Dam 15, Mon. R.[1]	Monongahela	.11		.07	.02			T.	.35	.66	1.21								.28	.79		.10	.15							.05			3.79
Dam 19, O. R.[1]	Ohio	.16		.01	.04			.40	.42	1.15	.54							.05	1.06	.43		T.	.05							T.			4.31
Dam 20, O. R.[1]	do	.05	T.	.01			T.	.40	.33	1.18	.60							T.	.63	.38		.20	.05							.06			3.89
Davis[1]	Cheat	T.		.21					.61	.10	.30								.07	1.34					.24				.31				3.18
Elizabeth(D'm 3 LK[1]	Litl.Kanawha		T.	T.			.33	.38	.70	.44							.03	.40	.57		.02	.06							.08	T.			3.01
Elkins[2]	Tygart		.09	T.	.02	.01	.03	.16	.08	.41	T.							.01	.90		.30	.29	.22							.09	.01		2.62
Fairmont[1]	Monongahela		.05	T.			.12	.48	.77	.78							T.	.40	.63		.11	.15											3.49
Glenville[1]	Litl.Kanawha	.04		.03	T.			.18	.34	.33	.61								.72	.63		.04	.27							.22	T.		3.41
Grafton	Tygart		T.	.09	.01		.01	.10	.43		.76								.65	.35		T.	.15							.18	.09		2.82
Hackers Creek	West Fork		.05					.18	.31	1.03									1.35	.08	.05		.08							.11	.01		3.25
Hastings	Ohio		.07	.04	.01		.01	.01	.55	1.04	.07							.18	.73	.56			.12							.25			3.64
Horner	West Fork			.05				.20	.20	.70									.50	.75									.30		.05		2.75
Ireland	do		.02	.02		.01	.08	.02	.18	.57									77	.68	.03	.15	.19						.08				2.80
Jackson's Mill	do								.17	1.20								.06	.97	.18		.15							.08				2.81
Jane Lew	do	T.	.02	.02	T.			.14	.32	.78	.04							.01	.70	.51		.03	.07							.09			2.73
Lost Creek	do		.03	T.	.03		T.	.08	.33	1.32	T.							T.	1.22	.04	.04	T.	.06							.06	T		3.21
Mannington	Monongahela		.06	.08		.01	.03	.03	.63	1.09	.03							.14	.90	.16	.03	.02	.08							.12			3.41
Morgantown	do		T.		.14		T.	.03	.49	1.35	T.							.14	.47	.30	.04		.10							.10			3.16
New Cumberland	Ohio		.05		.06		.71	.47	.57	.60	.01							.05	.28		T.		.04							.58	.03		3.45
New Martinsville	do		T.	.08			.28		.62	.95									.88		.45		.15										3.41
Parkersburg[2]	do		T.	T.	T.		.01	.39	.68	1.05								.57	.65		.02	.02	.04						T.		T		3.43
Parsons	Cheat		*					*	*	1.84								T.			.56								.21				2.61
Philippi[1]	Tygart			.15			.02	.12	.27	.12	.65								.28	.93			.20							.25			2.99
Pickens	do		.10	.10	T.			.78	.20	.30								T.	1.18		.18	.14	.38								T.		3.36
Roanoke	West Fork		.02	T.	.03	.01		.21	.29	.82	.01								.61	.43		.01								.51			2.95
Rockford	do		.02					.13	.34	.93	.02								1.16	.02	T.	T.	.09	T						.29	T.		3.00
Rowlesburg	Cheat	.09		.09	T.			.08	.63	.13	.52								.34	1.00		.03	.27	T.						.52			3.70
Saint Marys[1]	Ohio		.03		.07		.03	.14	.75	.68	.64							.04	1.30	.60		.02	.05							.13			4.48
Terra Alta[1]	Cheat	.20	T.	T.					.60	T.	.20								.50	1.00		T	.60							.50	T.		3.60
Thomas[1]	do	.12		.14	.05		.03	.15	.18	.08	.36								.12	.90		.46	.33							.16			3.08
Valley Chapel	West Fork	.10	.03	T	.01			.14	.33	1.04	.05							T.	.83	.32		.04	.07	T.						.04			3.00
Vandalia	do							.28	.31	.41									1.00		.15		.12							.45			2.72
Wellsburg	Ohio		.06	T.	.02		.49	.88	.64	1.05	T.							T	.18	.13	.05		.05							.17			3.72
West Milford	West Fork		.05		.05			.13	.35	1.21	.10								1.00	.38										.15			3.42
Weston[1]	do			.05	.04			.18	.31	.19	.86								.25	.88		.10	.17							.24			3.27
Wheeling (Dam 12)[1]	Ohio	.22	T.	.03	.07		.09	.91	.42	.72	.87							.04	.05	.66		.40	.04							.16			4.68
Woodlands[1]	do	.46	T.	.05	.04	.02		.34	.35	.32	1.00							T.	.02	.46	.04	.04	.13	.13						.15			3.55
Southern Division																																	
Arbovale[1]	Greenbrier		T.	.10		.01	.04	.36	.06	T.	.05								.75		.25	.25	.04								.02		1.93
Bancroft	Gr. Kanawha	.05			.05		.17	.10	.98	.32								.62	.70		.05	.06									.16		3.26
Beckley	New	.04	.05	.15		.05		.50	.13	.51	.06							.06	.77			.40	.38							.05	.04		3.19
Bluefield	do	.07	.01	.09				.67	.07	.26	.04								.45	.21		.23	.58								.08		2.76
Camden-on-Gauley[1]	Gauley	.03		.05		.04		.38	.08	.08	.38								.32	.38		.09	.37	.02									2.22
Charleston[1]	Gr. Kanawha	.13	T.	.12		.01		.24	.09	.74	1.19								.49	.89		.66	.32							.02			4.90
Clay[1]	Elk	.08		.05		.07		.20	.17	.18	.55								.27	.92		.35	.35										3.19
Flat Top	New	T.	.03	.08	T.			.93	.11	.26	.06							T.	.62	.01	T.	.37	.44							.08	.04		3.03
Gary[1]	Big Sandy	.05	.01	.03		.02		.76	.05	.26	.15								.04	.60		.21	.58	.22						T.			2.98
Greenbottom[1]	Ohio	.10		.02		.03		.30	.21	T.	.22							.03	.99	.75		.08	.06							.07	.02		2.88
Hinton[1]	New	.03	T.	.03				.68	.05	.03	.01								T.	.60		.22	.39	.21						.16			2.44
Hogsett[1]	Ohio	.13		T.		.04		.41	.20	1.24	.33		.42					.02	.68	.42		.68	.12								T.		4.69
Huntington	do		.02	T.		.02		.30	.13	1.15	.01							.10	1.39		.32	.10	.04						T.		.30		3.88
Institute	Gr. Kanawha		.04	T.		.01		.20	.10	1.03	.01							T.	1.54		.32	.09	.08								.37		3.79
Kanawha Falls[1]	do	T.		T.				.25	.05	.30	.65								.10	.70		.23	.30	T.									2.58
Kayford[1]	New																																
Lewisburg	Greenbrier		.02	T.				.43	T.	.15								T.	.20	.07		.10	.50								.12		1.59
Logan[1]	Guyandot	.10		.05		.03		.69	.14	.45	.24								.74	.27		.51	1.03							.19			4.44
London[1]	Gr. Kanawha	.06		.02				.33	.16	.44	.44								.26	.83		.12	.22								.30		3.18
Madison[1]	Coal	.10		.04				.27		.77					.31				.48	.55		.28	.45										3.25
Marlinton	Greenbrier		.01	.02				.44	.08	.10	.01								.55	.32	.19	.12	.36								.07		2.27
Point Pleasant[1]	Ohio	.29	T.	.03				.47	.35	1.69	.32							.03	.78	.56		.15	.14							T.	T.		4.81
Rainelle	Gauley		.01	.12	T.	.06		.47	.11	.50	.11								1.07	.02	T.	.20	.48	.01							.22		3.38
Ravenswood (Dam 22	Ohio	.18		.05	T.			.43	.23	.98	.45							.04	.41	.57		.21	.10										3.65
Richwood[1]	Gauley		.10	.08	.01		.30	.10		.62								.08	.95		.06	.37	.08								.25		3 00
Robertsburg[1]	Gr. Kanawha	.06		.02		.05		.28	.23	.76	.19								.93	.35		.02	.09							T.	T.		2.98
Ryan	do		.05			.10		.20	.15	1.50									1.20		.03	.08	.14							.02			3.47
Sharples[1]	Coal		T.					T	T.	1.68	T.								.98			.62	.69							T.	T.		2.97
Spencer[1]	Litl.Kanawha	.04		.03		.03		.17	.22	.88	.40							T.	.99	.55		.25		.02						.12			3.70
Summersville[1]	Gauley	.12		.80				.36	.50		.63								.50	.20			.77										3.88
Sutton	Elk			T.				.35	.20	.50	.10								.70	.70		.50	.40							.10			3.55
Thornwood[1]	Greenbrier		.08				.24	.06	.05	.14								.04	.50		.06	.51								.04	T.		1.72
Union	New		.05		.03			.43	.02	.15		.03							.24	.12		.20	.28								.06		1.61
Wayne[1]	Twelvepole							.56	.16	.71	.25								.72			.21	.15										2.76
White Sulp'r Spgs.[1]	Greenbrier	.05						.30	.10	.30									.50		.05	.30											1.60
Williamson[1]	Big Sandy	.57		.06		.02		.80	.11	.37	.34								.74	.50		.27	.70	T.						.29			4.77

Supplemental Rainfall Data—Totals: Elk.. 2.35 Mt. Clare.. 3.15 Parsons No. 2.. 2.43 Salem.. 3.74 Shinnston.. 3.43 Valley Head.. 2.04 Winfield Locks.. 2.77

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. [2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for April 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	55	40	35	42	48	49	30	38	49	35	65	67	70	76	72	72	72	63	70	76	63	54	56	67	72	79	82	81	62	60	....	60.0
	Minimum	40	28	22	22	22	25	28	23	23	20	18	20	28	30	32	38	40	51	45	40	42	45	20	23	28	28	25	26	50	45	....	30.9
Brandywine	Maximum	70	62	50	57	60	63	53	42	55	56	64	72	76	81	80	76	74	72	78	79	80	65	66	62	78	82	87	84	80	70	....	69.1
	Minimum	50	40	30	27	34	38	32	31	35	27	24	35	37	39	44	45	42	46	47	46	45	52	27	26	36	38	45	48	52	45	....	38.8
Kearneysville	Maximum	63	59	46	58	58	51	40	39	46	50	64	72	72	83	83	76	58	67	78	86	72	64	57	66	76	75	81	88	80	69	....	65.9
	Minimum	50	38	32	32	34	34	31	32	36	31	28	51	41	42	54	54	54	42	53	53	51	56	32	31	38	44	49	58	61	44	....	42.9
Martinsburg[1]	Maximum	62	58	48	66	60	45	40	38	46	51	70	78	80	87	86	67	61	70	83	88	68	65	62	70	82	82	86	92	82	72	....	68.2
	Minimum	45	42	33	32	36	34	30	30	34	32	27	33	42	45	50	56	47	50	55	53	55	45	35	32	38	45	48	55	62	47	....	42.3
McNeill	Maximum	71	60	45	58	69	60	54	40	46	49	71	75	79	84	82	75	73	73	80	85	69	63	62	70	81	86	92	88	85	70	....	69.8
	Minimum	48	30	32	23	30	29	31	32	35	29	19	29	32	35	42	41	53	52	39	39	46	52	28	24	33	43	40	46	51	42	....	36.8
Piedmont	Maximum	64	49	45	53	55	54	38	36	40	39	69	71	75	81	78	67	68	68	75	80	62	59	58	50	76	78	86	87	67	67	....	63.2
	Minimum	47	36	29	36	32	38	31	31	32	28	26	35	39	43	50	50	48	56	51	47	51	54	29	40	41	46	52	57	57	43	....	41.8
Romney	Maximum	59	59	40	53	60	52	45	38	40	42	67	82	79	84	84	74	62	70	80	81	76	60	56	64	76	76	83	85	85	63	....	65.8
	Minimum	50	32	30	28	32	33	31	33	37	32	24	39	39	42	50	55	51	50	54	46	49	54	28	30	41	40	46	52	59	45	....	41.1
Wardensville	Maximum	61	56	45	56	57	53	38	44	56	48	65	71	77	83	80	72	65	71	78	82	74	61	60	68	69	80	86	87	79	69	....	66.4
	Minimum	51	32	32	25	32	31	30	30	33	30	24	34	37	39	46	46	49	54	51	42	49	55	27	27	35	38	42	49	53	45	....	38.9
Northern Division																																	
Bens Run	Maximum	68	57	47	51	56	60	49	68	60	55	68	72	78	82	78	85	80	71	77	78	76	66	67	76	81	85	89	84	76	70	....	70.3
	Minimum	44	38	32	35	33	36	40	41	33	31	33	42	42	46	49	50	60	55	49	54	52	52	35	41	51	48	49	35	52	48	....	43.5
Buckhannon	Maximum	68	50	41	53	52	72	65	65	62	47	65	69	73	77	76	80	79	78	75	78	69	62	58	69	78	77	82	82	80	66	....	68.3
	Minimum	50	38	30	38	35	38	47	43	37	29	29	42	42	47	50	48	60	58	43	53	33	55	32	36	43	43	50	60	55	49	....	43.8
Clarksburg[1]	Maximum	59	48	45	54	54	74	50	68	53	52	69	71	76	80	76	85	81	72	77	80	77	62	61	76	78	84	87	84	70	65	....	68.9
	Minimum	44	35	31	31	34	36	41	42	45	29	26	35	37	41	44	45	53	59	46	52	50	54	29	35	42	43	44	51	54	43	....	41.7
Creston	Maximum	60	59	45	53	56	60	60	61	61	51	70	70	75	77	77	81	81	75	76	78	77	66	62	73	71	81	89	89	80	70	....	69.5
	Minimum	41	35	30	37	43	39	43	42	28	29	28	40	43	42	44	42	43	45	42	45	49	31	30	35	44	40	43	44	50	40	....	39.6
Elkins	Maximum	55	45	43	51	50	70	57	58	58	43	65	67	72	77	72	79	73	67	74	74	63	59	60	71	73	79	82	83	68	60	....	64.9
	Minimum	40	30	27	34	31	33	38	38	27	25	25	43	36	43	46	44	58	51	47	51	51	40	28	32	45	39	45	50	55	45	....	39.9
Fairmont	Maximum	63	47	47	55	53	71	48	63	44	49	72	74	79	82	79	84	81	73	81	81	75	62	65	72	79	85	90	88	68	69	....	69.3
	Minimum	43	37	28	29	32	35	42	38	44	29	30	41	41	45	50	49	61	59	48	56	51	55	30	37	47	44	46	55	56	45	....	43.4
Glenville	Maximum	72	59	42	58	59	77	66	70	70	52	72	74	80	84	83	88	89	80	81	81	76	72	66	74	80	87	89	90	85	77	....	74.4
	Minimum	41	36	30	31	35	36	46	45	33	30	26	40	38	44	46	44	68	57	45	49	52	53	30	34	43	42	45	52	53	45	....	42.3
Grafton	Maximum	74	60	45	54	57	71	72	60	66	47	65	72	78	81	82	84	88	74	78	81	80	73	66	72	79	82	86	88	85	71	....	72.4
	Minimum	44	35	28	36	31	34	40	38	33	28	26	37	37	41	45	45	58	57	46	47	49	53	27	33	42	40	45	50	56	43	....	40.8
Lost Creek	Maximum	70	59	44	55	52	71	56	68	66	50	69	71	77	80	78	84	80	75	76	79	75	65	61	73	78	82	85	83	75	69	....	70.2
	Minimum	40	32	30	36	34	34	43	42	33	28	24	38	36	40	44	42	62	51	48	53	51	54	26	31	42	41	42	51	67	42	....	41.2
Mannington	Maximum	69	55	43	53	50	69	53	61	63	45	65	69	75	79	76	81	80	72	75	78	72	69	58	70	75	79	85	82	77	67	....	68.2
	Minimum	40	34	29	32	27	33	40	38	33	25	25	36	35	39	42	44	58	55	42	47	48	52	27	33	40	38	41	48	53	41	....	39.2
Morgantown	Maximum	70	57	48	53	53	68	54	57	56	48	69	72	77	82	78	85	81	71	75	82	77	70	65	70	79	87	90	85	77	68	....	70.1
	Minimum	45	35	29	36	34	35	38	37	34	29	31	41	42	44	49	49	59	59	52	56	51	50	30	39	49	43	47	56	56	42	....	43.2
New Cumberland	Maximum	67	62	57	49	47	45	37	53	51	47	66	71	77	81	78	81	81	75	78	76	76	72	68	73	71	83	89	85	79	62	....	67.9
	Minimum	42	35	28	34	24	32	35	35	32	30	29	36	42	45	50	49	58	55	42	55	42	46	29	33	51	41	44	52	50	41	....	40.6
New Martinsville	Maximum	59	60	45	52	52	50	45	62	65	52	68	70	78	82	78	85	78	73	79	72	75	60	65	66	70	85	86	82	75	65	....	67.8
	Minimum	35	30	28	32	31	35	28	33	34	25	24	36	42	45	50	40	55	48	45	55	45	45	28	34	40	45	46	50	55	45	....	39.5
Parkersburg	Maximum	63	45	47	53	53	58	48	66	54	50	67	72	78	82	76	82	79	72	79	76	70	60	59	74	76	81	87	83	68	69	....	67.6
	Minimum	45	35	32	38	35	37	39	44	33	31	34	44	45	49	53	50	60	55	50	56	53	45	36	42	54	51	51	59	54	47	....	45.2
Parsons	Maximum	57	50	42	46	53	72	40	53	57	47	69	71	75	80	76	78	79	72	60	80	64	66	72	79	85	87	69	67	60	75	....	66.0
	Minimum	45	34	28	33	34	33	33	36	30	26	25	38	36	45	46	44	46	50	50	46	48	28	33	42	39	45	45	35	40	35	....	38.3
Pickens	Maximum	64	54	39	50	51	70	61	57	56	44	66	67	77	77	70	75	79	67	71	75	65	58	58	70	71	80	80	79	66	56	...	65.1
	Minimum	38	26	21	28	29	38	40	37	28	18	25	38	37	37	45	41	43	41	38	50	49	38	25	31	39	39	47	49	50	39	....	36.8
Wellsburg	Maximum	70	58	43	52	49	46	40	54	52	48	67	71	78	81	79	82	83	75	72	70	74	69	60	72	74	84	89	87	81	65	....	67.5
	Minimum	41	32	29	32	22	30	34	35	31	26	25	35	36	40	44	46	58	54	50	40	40	45	25	32	44	35	39	47	48	37	....	37.7
Weston	Maximum	58	56	44	56	55	75	72	64	60	49	69	73	77	82	80	84	83	79	78	79	77	74	61	75	80	84	88	85	84	68	....	71.6
	Minimum	43	36	30	38	36	36	46	44	33	29	28	43	39	45	47	45	63	58	46	54	53	54	30	35	44	44	47	63	55	52	....	43.9
Wheeling	Maximum	57	45	45	50	49	44	44	57	42	47	64	68	75	82	75	82	79	70	76	72	73	60	59	63	73	80	85	80	66	65	....	64.2
	Minimum	43	37	31	31	29	33	36	37	40	31	31	38	43	47	52	50	52	60	47	56	47	47	31	37	50	44	45	55	53	43	....	42.5
Southern Division																																	
Beckley	Maximum	67	52	44	53	51	72	64	52	51	49	65	68	73	77	76	76	70	68	76	76	68	65	64	72	74	82	84	80	75	69	....	67.1
	Minimum	43	30	22	32	35	40	39	32	26	24	26	42	35	42	50	42	50	49	42	50	52	45	29	35	42	43	48	49	51	44	....	39.6
Bluefield	Maximum	62	52	45	54	60	71	65	49	54	52	63	67	73	77	75	78	78	76	72	72	67	66	59	73	75	80	82	79	74	69	....	67.3
	Minimum	44	33	23	33	32	41	40	31	34	28	25	42	40	47	50	46	53	52	46	54	52	46	31	38	45	48	53	52	54	48	....	42.0
Charleston	Maximum	69	52	52	59	71	78	59	68	48	54	72	74	80	84	80	84	85	75	82	79	72	66	73	72	82	82	88	86	76	72	....	72.5
	Minimum	50	41	34	36	38	40	48	44	38	34	34	38	44	49	54	50	64	59	48	58	55	54	38	49	36	49	52	56	59	49	....	46.6
Gary[1]	Maximum	56	52	48	58	61	75	65	68	58	52	68	71	77	81	77	83	76	73	77	76	72	60	68	78	78	85	87	83	73	63	....	70.0
	Minimum	51	36	30	34	35	35	43	40	42	32	28	35	37	44	47	44	55	56	40	48	56	54	33	34	44	47	49	49	58	43	....	42.6
Hinton[1]	Maximum	62	54	53	60	60	77	53	52	52	57	74	75	83	86	84	86	72	76	84	78	73	64	73	77	82	90	91	89	79	66	....	72.1
	Minimum	50	36	29	30	38	35	37	37	39	30	26	40	37	40	45	46	51	53	44	47	51	55	35	34	37	44	48	49	52	43	....	41.3
Huntington	Maximum	69	58	50	59	57	76	65	73	72	57	70	73	80	82	79	84	79	76	83	81	70	68	62	78	83	84	88	85	80	70	....	73.0
	Minimum	44	37	32	40	36	42	42	46	36	33	32	44	45	49	51	50	61	58	47	58	55	52	39	42	50	49	52	56	56	50	....	46.1
Lewisburg	Maximum	66	54	43	56	50	67	60	60	48	47	61	66	71	75	75	76	71	66	73	74	69	64	61	65	74	77	80	77	74	68	....	65.6
	Minimum	48	37	27	34	40	39	39	34	33	27	28	41	40	46	65	50	55	53	47	64	56	51	33	36	43	48	54	54	60	51	....	44.4
Madison	Maximum	61	51	50	60	60	79	52	72	52	60	71	74	80	84	80	86	79	76	81	81	72	58	68	78	80	86	87	84	76	70	....	71.6
	Minimum	47	38	32	32	40	38	48	45	45	34	30	36	40	45	48	46	61	57	46	49	55	52	35	40	37	48	49	52	53	45	....	44.1
Marlinton	Maximum	67	54	41	59	51	69	59	43	49	46	63	67	73	77	75	72	71	66	71	74	69	66	66	68	75	80	84	79	74	75	....	66.1
	Minimum	45	30	22	29	32	33	37	33	33	26	22	31	32	37	41	39	55	53	42	41	52	50	29	29	35	36	42	45	50	39	....	37.4
Point Pleasant	Maximum	63	61	51	58	60	74	60	71	69	55	69	73	82	83	79	83	81	75	82	80	68	66	63	63	80	85	88	86	82	72	....	72.1
	Minimum	44	38	33	38	37	38	37	44	35	32	34	44	46	49	51	49	60	59	47	59	53	52	35	41	50	48	50	54	55	48	....	45.3
Rainelle	Maximum	50	48	39	51	50	69	65	43	43	47	60	67	74	72	72	71	71	64	74	74	64	64	65	68	68	80	81	81	81	63	....	64.0
	Minimum	34	29	24	25	35	37	37	34	29	25	21	35	30	35	39	37	53	49	38	40	52	48	27	33	36	36	40	41	44	36	....	36.0
Ravenswood	Maximum	69	60	48	57	57	60	60	67	70	52	65	70	77	79	75	81	80	81	86	80	67	66	64	76	80	86	87	86	84	73	...	71.5
	Minimum	40	36	31	39	37	39	40	44	34	32	33	42	42	46	49	46	60	59	49	56	51	52	34	38	47	45	48	54	49	45	....	43.9
Richwood	Maximum	64	58	42	53	48	69	61	58	60	54	64	67	68	76	74	78	71	73	75	75	69	59	63	72	75	81	83	83	75	65	....	67.1
	Minimum	32	26	26	35	35	46	37	42	26	27	30	35	36	38	41	57	56	41	43	49	52	29	31	42	41	44	44	53	40	35	....	39.0
Robertsburg[1]	Maximum	65	47	52	58	69	78	53	78	47	60	73	74	82	83	86	86	81	79	78	79	72	65	71	79	82	84	85	86	75	71	....	72.6
	Minimum	42	40	32	34	35	36	43	43	40	33	31	40	43	49	51	49	53	59	47	53	53	52	35	38	49	46	50	55	53	47	....	44.4
Ryan	Maximum	58	45	51	57	57	75	60	65	58	55	70	75	78	80	85	85	85	70	77	75	75	68	62	75	80	85	85	82	70	64	....	70.2
	Minimum	38	34	31	38	32	38	45	43	33	27	26	38	38	43	45	42	58	54	41	48	52	53	30	33	44	41	45	49	49	42	....	41.0
Spencer[1]	Maximum	59	45	47	58	57	74	53	66	42	53	69	72	79	80	81	85	82	73	79	80	61	63	75	60	61	83	87	84	73	65	....	68.2
	Minimum	45	37	32	40	35	36	44	34	42	30	28	41	40	40	60	59	62	50	46	57	53	51	33	48	44	45	47	53	52	46	....	44.3
Sutton	Maximum	65	52	43	57	57	76	76	66	66	50	72	73	79	83	83	85	85	78	78	80	80	69	60	72	78	82	88	88	85	72	....	72 6
	Minimum	46	36	28	36	32	36	42	39	33	30	26	41	37	43	48	43	52	52	43	42	46	48	31	32	43	41	45	50	51	44	....	40.5
Union	Maximum	67	51	48	53	51	65	63	41	47	48	63	67	72	77	74	76	73	62	72	72	70	63	60	66	74	80	82	82	79	79	....	65.9
	Minimum	47	30	26	28	33	36	41	34	38	27	23	35	34	40	46	44	53	53	44	46	53	48	29	32	36	41	47	46	56	42	....	39.6
White Sulphur Spgs.	Maximum	57	51	48	56	56	71	49	45	44	52	73	74	77	83	81	84	74	74	82	80	73	63	70	72	81	83	87	85	78	76	....	69.3
	Minimum	46	29	27	25	32	34	45	33	35	27	21	30	34	36	42	40	50	49	45	42	54	54	27	29	34	37	38	54	58	40	....	38.2
Williamson[1]	Maximum	59	53	51	60	59	77	59	75	50	57	70	72	79	82	79	84	77	76	80	72	73	66	66	77	81	84	85	84	75	66	....	70.9
	Minimum	50	42	31	33	42	40	45	46	47	34	32	35	43	47	50	49	53	58	50	51	57	53	37	38	49	49	51	54	54	47	....	45.6

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	.009	.055	.105	.183	.132	.096	.008	.002	.001	.093	.044	.246	160	.138	.198	.186	.203	.097	.073	.275	.071	.201	.035	.209	.204	.150	.189	.233	.208	....	3.804
	Wind movement	113	101	106	151	155	26	35	185	52	118	68	43	34	34	27	74	31	50	44	42	65	20	72	33	17	42	3	46	73	124	....	1,984

[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 6-6-38—900)

L.05
NE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., MAY 1938 No. 5

GENERAL SUMMARY

May was slightly below normal in temperature and exceptionally wet, being the sixth wettest of May State record. Rainfall was above the normal in all parts of the State during the month. Amounts in excess of seven inches were received at sixteen stations, and more than ten inches fell at two stations. The heavy rains caused a near flood in the Little Kanawha river on the 20th-21st, and moderately high stage in the Ohio river.

Heavy to killing frosts and below freezing temperature occurred generally in the northern Ohio Valley and in the north central partof the State on the 12-13th. The lowest temperature of the month occurred at all stations at that time. At Parkersburg, a temperature of 31 degrees occurred which was the lowest of record for May. The temperature fell to 32 degrees or lower at about half of the reporting stations.

Gusts attending thunderstorms on the 14th over the southern section of the State, caused local damage in Kanawha and Raleigh counties. At Beckley, a circus tent collapsed, and an airplane hangar roof was moved and damaged several airplanes. At Dunbar a school house was unroofed. Damage estimated at between $4,000 and $5,000. Light hail fell generally on the 14th and at scattered localities on the 4th, 5th, 19th-21st, 23d, and 28-29th. No damage was reported.

Owing to frequent rains and low temperature until the last week, the month was unfavorable for farm work.—*H.C.D.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 61.1°, or 0.6° below the normal. The mean for the northeastern panhandle division was 60.3°; for the northern division, 60.7°; and for the southern division 61.9°. The highest monthly mean was 65.6° at Huntington and the lowest, 53.5° at Bayard. The highest temperature was 94° at Glenville on the 5th and the lowest, 20° at Bayard on the 13th. The greatest daily range was 60° at McNeill on the 4th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 5.97 inches, which is 2.01 inches above the normal. In the northeastern panhandle division the average was 5.26 inches; in the northern division, 6.25 inches; and in the southern division 5.78 inches. The greatest monthly precipitation was 10.51 inches at Glenville and the least, 3.62 inches at Inwood. The greatest amount in any 24 consecutive hours was 2.80 inches at Harpers Ferry on the 24th. The average monthly snowfall was Trace, or normal. The greatest monthly snowfall was 0.8 inch at Spruce Knob. The average number of days with .01 inch or more of precipitation was 16.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	3	..	..	1	..	7	..	..	..	..	4	8	..	..	1	5	3	3	..	1	..	..	1	6	2	10	9	2	2	..
Gales	..	..	..	..	..	1	..	..	1	2	..	..	2	1	1	..	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..
Glaze	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	2	2	..	..	..	..	..	..	..	..	11	..	..	..	..	1	2	4	..	1	..	..	..	..	1	1	..	..
Halos, lunar	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	2	..	2	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	11	10	7	..	3	5	1	..	..	..	11	1	..	..	4	25	22	20	12	12	7	1	..	..	2	8	2	..
Killing frost	1	1	..	..	..	..	..	..	..	..	..	21	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospherie pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.95	30.25	24	29.43	14	6.9	24	sw.	14	83	56	66	62
Columbus, Ohio	29.94	30.26	24	29.42	14	9.2	31	sw.	23	76	50	56	66
Elkins	29.99	30.31	31	29.51	15	6.4	31	sw.	21	87	61	66	54
Parkersburg	29.95	30.27	25	29.45	14	5.9	25	w.	9	84	52	61	61
Pittsburgh, Pa	29.95	30.32	31	29.39	15	10.2	33	nw.	16	75	51	54	63
Wytheville, Va	29.99	30.31	31	29.54	14	6.5	26	nw.	15	82	57	68	42

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	......	......	2.38	3.11	3.60	3.18	......	......	......	......	......
1892	62.2	96	32	3.62	6.67	4.83	5.04	......	......	......	......	......
1893	59.5	92	30	4.90	4.35	4.84	4.51	......	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	......	13	16	9	6
1895	61.6	105	20	3.18	2.18	2.80	2.60	......	9	12	11	8
1896	63.3	95	33	2.92	3.50	2.71	3.01	......	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	......	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	......	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	......	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	......	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	......	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	......	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3 51	3.75	3.96	3.82	.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	.0	5	20	8	3
1912	63.3	94	31	3 89	3.28	4.39	3.93	.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	55.5	93	23	8.74	7.12	6.72	7.20	.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	.2	10	13	8	10
1926	61.2	94	14	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2 08	.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
Period	61.7	105	14	3.72	4.17	3.97	3.96	T.	11	13	9	9

Climatological Data for May 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	53.5	−2.9	83	4	20	13	51	6.49	+2.19	1.02	0.0	19	14	6	11	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	61.0	+2.4	90	5	30	13	49	5.30	+2.22	2.25	.0	12	17	0	14	s.	E. L. Keister
Harpers Ferry	Jefferson	244	49								6.12	+2.68	2.80	.0	13					Miss Eleanor White
Inwood	Berkeley	569	6	c63.4		c90	5	c35	13	36	3.62		.88	.0	11	c6	c15	c7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	8	62.0		85	3	35	†12	42	4.36		1.09	.0	13	15	10	6	e.	University Exp. Station
Martinsburg	Berkeley	435	46	63.6	+.8	91	3	38	†12	45	4.07	+.68	.95	.0	16	17	11	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	59.7	−.5	92	4	27	13	60	4.79	+1.56	.96	.0	14	9	13	9	w.	R. E. Saville
Piedmont	Mineral	1,053	25	59.6	−.4	88	4	30	12	40	4.94	+1.29	1.27	.0	15	13	12	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	40	60.0	−2.9	92	4	30	13	49	4.76	+1.23	1.02	.0	18	14	9	8		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6								7.17		1.03	.8	20					Moses R. Bennett
Stony River Dam	Grant	3,300	18								6.42	+1.82	1.22	.0	15	6	6	19	w.	A. C. Becker
Wardensville	Hardy	1,200	17	59.9	+.5	89	4	30	13	52	5.06	+2.10	1.17	.0	18	7	15	9		Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14								6.30	+2.43	1.11	.0	17	8	11	12	w.	L. Else Bond
Alma (near)	Tyler	800	11								4.82	+1.15	1.00	.0	12	13	3	15		H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	55.2		85	4	22	13	52	10.16		1.69	.0	16	10	12	9	w.	Christian Hertig
Benson	Harrison	1,080	14	59.6	−1.2	87	4	25	13	49	5.52	+1.59	.95	.0	17	12	13	6		R. D. Marts
Bens Run	Tyler	652	36	63.8	+.8	92	4	33	12	47	6.56	+2.56	1.18	.0	16	15	8	7		Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	64.1	+2.5	90	5	28	13	50	9.96	+5.73	1.49	.0	16	9	17	5		M. W. Hawkins
Buckhannon	Upshur	1,411	41	60.7	−.4	82	†3	32	13	34	6.06	+1.63	1.06	.0	13	13	10	8		H. A. Darnall
Cairo	Ritchie	680	37	62.9	−.2	90	5	29	13	45	7.74	+4.32	2.40	.0	11	11	7	13		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	61.2	+.9	91	4	29	12	49	4.89	+1.21	.92	.0	17	13	4	14	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15								6.48	+1.99	1.76	.0	14	10	12	9	nw.	George W. Blair
Creston	Wirt	640	36	60.2	−2.9	89	3	28	12	45	6.39	+2.68	1.72	.0	13	10	13	8		J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17								4.85	+.78	1.15	.0	16					Lockmaster
Dam 13 O. R.	Ohio	655	22								4.84	+1.42	1.30	.0	12					Lockmaster
Dam 15 Mon. R.	Marion	882	17								4.98	+1.38	1.03	.0	13					Lockmaster
Dam 19 O. R.	Wood	600	22								5.41	+1.99	.95	.0	16					Lockmaster
Dam 20 O. R.	Wood	600	22								4.68	+1.22	.85	.0	14					Lockmaster
Davis	Tucker	3,093	29																	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	26								6.04	+2.61	1.28	.0	14					Lockmaster
Elkins	Randolph	1,927	37	58.0	−1.2	85	4	28	13	45	7.10	+3.05	1.36	.0	16	5	11	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	32	62.3	+.2	93	4	31	12	50	4.80	+.92	1.18	.0	16	15	6	10	w.	J. C. Robinson
Glenville	Gilmer	738	44	64.1	+.5	94	5	31	12	49	10.51	+6.39	2.24	.0	18	10	9	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	61.6	+.1	91	5	29	13	47	5.27	+1.59	1.39	.0	14	11	10	10		L. W. Clayton
Hastings	Wetzel	809	3								6.07		1.15	.0	14	9	11	11	w.	L. G. McIntyre
Horner	Lewis	1,044	15								6.65	+1.98	1.40	.0	13					Foster R. Hardman
Jane Lew	Lewis	1,020	15								5.69	+1.09	.82	.0	16					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	60.8	+.4	91	4	26	13	50	5.64	+1.49	1.00	.0	12	11	9	11	w.	Allen Smith
Mannington	Marion	974	35	59.4	−1.0	85	4	29	†12	46	5.05	+1.04	1.12	.0	15	12	6	13	w.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45								6.76	+3.06	1.45	.0	13					Bruce Davis
New Cumberland	Hancock	671	40	61.1	+.9	89	4	28	12	43	4.45	+1.05	.84	.0	13	11	5	15	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	61.4	−1.6	89	†4	30	†12	47	6.00	+2.33	1.05	.0	11	14	10	7	s.	Wm. Ankrom
Parkersburg	Wood	615	51	62.9	−.9	89	4	31	12	41	4.81	+1.43	1.22	.0	11	14	7	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	59.2	+.4	90	4	29	13	43	7.74	+3.61	1.91	.0	17	12	9	10		J. W. Swisher
Philippi	Barbour	1,550	41								5.89	+1.62	1.12	.0	18					H. F. Brittingham
Pickens	Randolph	2,697	35	55.4	−2.7	82	6	25	13	43	8.55	+3.30	1.85	.0	15	15	7	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15								6.52	+2.16	1.20	.0	16	14	3	14		Miss Mary A. Conrad
Saint Marys	Pleasants	577	30								7.61	+4.10	1.27	.0	14					Edward Hughes
Terra Alta	Preston	2,559	37	54.4	−3.0	82	4	25	13	40	9.10	+4.12	2.50	.0	12	8	3	20	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9								7.90		1.57	T.	16					W. Sleeman
Valley Chapel	Lewis	1,011	15	63.1	+1.5	90	†2	29	12	46	5.26	+1.37	.84	.0	14	11	12	8	w.	J. C. Campbell
Vandalia	Lewis	1,120	15								5.20	+1.62	.98	.0	10					James B. Kelley
Wellsburg (near)	Brooke	668	31	60.4	+.2	91	4	24	12	52	4.51	+1.31	.91	.0	13	14	11	6		George P. Pfister
West Milford	Harrison	979	13								5.21	+1.48	.85	.0	14					Miss Dicie E. Wagner
Weston	Lewis	1,026	43	62.6	−.1	89	4	31	13	44	6.27	+2.43	1.18	.0	15	1	23	7		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	61.0	−.8	86	†3	31	12	44	5.86	+2.76	1.93	.0	13	9	10	12	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12								5.41	+2.00	1.84	.0	14	13	6	12	w.	H. S. Sutton
Bancroft	Putnam	574	34								5.95	+2.20	1.40	.0	13	6	13	12	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	58.9	−.9	86	4	28	13	44	6.18	+2.55	.97	.0	17	7	14	10		L. A. Mauck
Bluefield	Mercer	2,558	43	61.2	−.4	84	4	37	12	40	5.84	+2.72	2.01	.0	12	8	6	17		Norfolk & Western Ry.
Charleston	Kanawha	602	35	65.0	−.4	89	4	37	12	42	6.29	+2.51	.85	.0	18	13	8	10		Charleston Daily Mail
Clay	Clay	790	22								5.51	+1.72	1.34	.0	20					L. E. Woofter
Flat Top	Mercer	3,260	..	56.8		77	†3	33	12	29	6.25		1.06	.0	17					U. S. Airway Station
Gary	McDowell	1,426	22	63.0	+1.9	88	4	38	13	44	5.24	+1.27	1.10	.0	19					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	63.0		89	4	31	12	43	5.07		1.60	.0	15	9	16	6	sw.	State Forest Nursery
Hinton	Summers	1,431	41	64.0	+.6	92	†3	35	13	48	4.32	+.77	1.10	.0	17					Mrs. M. L. McClung
Hogsett	Mason	564	22								5.39	+1.71	1.04	.0	15					Lockmaster
Huntington	Cabell	571	41	65.6	+.9	90	4	35	12	40	5.61	+1.64	.95	.0	16	5	18	8	sw.	H. N. Robinson
Institute	Kanawha	616	..	63.8		90	4	32	†12	43	6.89		1.39	.0	15					Bureau of Air Commerce
Kanawha Falls	Fayette	618	19								5.48		1.00	.0	17					Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	61.1	+1.0	82	†3	38	13	33	4.27	+.91	1.02	.0	18	13	6	12		J. K. Monroe
Logan	Logan	700	35								5.21		1.50	.0	18					Paul A. Simonds
London Locks	Kanawha	623	2	64.0		93	5	36	12	47	6.09		1.32	.0	17	9	10	12	w.	Lockmaster
Madison	Boone	675	17	62.8	−1.0	91	4	34	12	44	6.14	+1.81	1.13	.0	14	13	4	14		C. B. Whitlock
Marlinton	Pocahontas	2,125	38	59.4	+2.4	88	4	32	12	46	7.04	+3.10	2.29	.0	17	6	10	15		U. S. Forest Service
Point Pleasant	Mason	595	45	65.0	+.3	90	3	33	†12	45	4.66	+.67	.87	.0	13	11	14	6	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	56.6		83	†3	29	13	51	5.19		1.07	.0	17	12	5	14		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	62.6	+.7	92	†4	29	12	50	6.68	+2.97	1.43	.0	14	11	6	14	sw.	Lockmaster
Richwood	Nicholas	2,193	8	58.7		86	4	31	12	39	7.58		1.42	.0	20	6	7	18	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	64.2	+1.0	92	5	32	12	47	5.55	+2.15	.89	.0	16	17	0	14		M. Frazier
Ryan	Roane	700	35	59.7	−1.5	88	4	29	†12	48	6.18	+2.54	1.48	.0	16	11	8	12		Wm. E. Ryan
Spencer	Roane	789	34	61.8	−.2	91	4	30	†12	43	6.45	+2.80	1.83	.0	18	7	13	11		A. M. McKown
Summersville	Nicholas	1,894	5								6.63		1.06	.0	17					Mrs. Anna Taylor
Sutton	Braxton	850	32	61.8	−1.5	89	†4	30	13	46	6.25	+1.89	1.10	.0	14					C. B. Eakle
Union	Monroe	2,250	34	60.1	−.8	87	4	35	13	41	5.90	+2.70	1.40	.0	14	12	10	9		C. B. King
Wayne	Wayne	598	11								4.96		.88	.0	15					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	61.4	+.9	88	4	32	13	48	5.65	+2.18	.95	.0	18	12	7	12		White Sulphur Spgs. inc.
Williamson	Mingo	673	38	64.2	−.8	89	†3	38	13	40	5.33	+1.25	.93	.0	20	8	14	9	se.	J. E. Dotson
State averages and	extremes			**61.1**	**−.6**	**94**	**5**	**20**	**13**	**60**	**5.97**	**+2.01**	**2.80**	**T.**	**16**	**11**	**9**	**11**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days, etc. † Also on other dates.

Daily Precipitation for May 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac	.13				.28	.03			.22	.23	.02			.18	1.02	.50		.40	.82	.37	.69	.62	.07	.16	.30		.38			.07		6.49
Brandywine	do					.60			.25						.60	.05			.50	.05	.55	.05	.15	.05	2.25		.20						5.30
Harpers Ferry[1]	do					.20	T.			.17	.03	.02				.93	T.		.02	.43	.20	.18	.60		2.80	.13		.41	T.				6.12
Inwood	do					.18				.16		.10			.88				.49	.14	.08	.51		.15	.74			.19					3.62
Kearneysville	do					.18				.22		.10			.57	.32			.46	.27	.44		.49	.10	.99		.12	.10					4.36
Martinsburg[1]	do					.18				.12	.12	.05			.04	.95	.02		.05	.45	.22	.30	.52		.80	.05		.15	.05		T.		4 07
McNeill	do	.05			.66	.37			T.	.16	.04	.02			.52	T.		T.	.96		.33	.18	.28	.56	.43	.23							4.79
Piedmont	do					.23			.18		.12	.15			1.27	.21			.98	.38	.42	.04	.40	.23	.01		.30	.02					4.94
Romney	do					.20	.10		.02	.05	.10	.12			.74	.12			.63	.29	.25	.05	.64	.12	1.02		.23	.05			.03		4.76
Spruce Knob[1]	do	T.				.67	T.			.42	.22	.16	.09		.34	.28	.54		.27	.52	.67	.72	.25	.13	1.03	.19	.08	.38			.14	.07	7.17
Stony River Dam[1]	do					.42	.10			.12	.15					1.08	.58		.31	1.22	.51	.40	.55		.27		.10	.25			.36		6.42
Wardensville[1]	do	T.				1.17	.64			.09	.04	.06			.30	.54	T.		.35	.29	.13	.07	.30	T.	.71	.04	.06	.20	.01		.06		5.06
Northern Division																																	
Aberdeen	West Fork					.05	.02		.03	.29	.10	T.	.06		.82	.73	.14	T.	.61	.50	.80	1.11	.67	.06	.15		.16						6.30
Alma (near)	Ohio									.08	.05	.01			1.00	.60	.06	.88		.32	.66		.60	.17	.39								4.82
Alpena	Cheat					.72			.10		.80	.14	.03		.80	1.69	.51		1.37	.80	.66	1.13	.69	.13	.38		.21						10.16
Belington	Tygart	T.				.03	.02			.19	.06	T.	.06		.19	1.39	.82		.40	.51	1.13	1.22	.63	.02	.10	.52		.28					7.57
Benson	West Fork					.10			.03	.10	.10		.02		.85	.82	.10	.03	.95	.25	.53	.40	.82	.02	.28		.12						5.52
Bens Run	Ohio									.58	.04	.03			1.18	.61	.05	.02	.85	.23	1.03	.89	.11	.15	.31					.39	.09		6.56
Brownsville	West Fork					.34			.60	.26	.60	.40			.91	.88	.10		.70	.69	1.49	1.07	.76	.70	.10		.36						9.96
Buckhannon	Tygart								.05	.22	T	.10			.82	1.06	.13	T.	.80	.38	.80	.60	.68	T.	.30		.12						6.06
Cairo	Litl.Kanawha									.29	.08				1.10	.22			.85	.18	.70	2.40		1.00	.59						.32		7.74
Clarksburg[1]	West Fork					.26	.13			.02	.03	.01			.24	.81	.22		.61	.31	.92	.12	.77	.01	.16	.02		.25					4.89
Crawford	do								.16	.32	.10		T.		.87	.79	.08	T.	.72	.42	1.76	.25	.61	.04	.29		.07			T.			6.48
Creston[1]	Litl.Kanawha					T.			.30	.08		T.	T.		.78	1.00		.07	.26	.30	1.72	.95		.43	.10				T.	.37	.03		6.39
Dam 10, Mon. R.[1]	Monongahela					.04	.01			.08	.08	T.	.03		.07	1.08	.16		.58	.62	.49	.14	1.15		.25	.05		.02					4.85
Dam 13, O. R.[1]	Ohio									.28	.01				.10	1.30	.10		.48	.40	.37	.27	.41	T.	.86	.26							4.84
Dam 15, Mon. R.[1]	Monongahela					T.				.15	.04	.02	T.		.14	1.03	.23		.53	.58	.34	.97	.65		.26	.04							4.98
Dam 19, O. R.[1]	Ohio									.04	.03	.01			.29	.95	.12		.41	.22	.77	.88	.66	.02	.80	.03				.04	.14		5.41
Dam 20, O. R.[1]	do									T.	.06	T.	T.		.32	.84	.10		.32	.30	.32	.62	.67	.04	.85					.20	.01	.03	4.68
Elizabeth(D'm 3 LK[1]	Litl.Kanawha				T.				.32	.03	T.	T.		.58	.84	.24		.47	.06	.32	1.28	.54	.52	.64	.03					.17	T.		6.04
Elkins[2]	Tygart				.19				.13	.49	.08	.24			.96	1.30	.09	T.	.90	.42	.46	.93	.04	.26	.36		.25						7.10
Fairmont[1]	Monongahela				.05			T.	.15	.05	.04	.03		.25	.95	.20		.75	.43	.42	.52	.66	.01	.27	.02								4.80
Glenville[1]	Litl.Kanawha	.11				1.08	.10			.54	.11		T.	T.	.48	1.03	.14		.42	.25	1.27	2.24	1.15		.16	.04		.08			1.27	.04	10.51
Grafton	Tygart					.31				.13	.03	.03	.05		.86	.52	.23	T.		1.39		.73	.71	.02	.21		.05						5.27
Hackers Creek	West Fork					.03			.06	.11	.09	.01			.85	.76			.83	.53	.40	.51	.75	.07	.26	.07	.09						5.42
Hastings	Ohio					T.			T.	.40	.09	.03	.01		.99	.50	.14		1.15	.35	.49	.22	1.13	.11	.46								6.07
Horner	West Fork					.05	.02						.08		1.00	.92			.89	.40	1.40	.51	.70	.08	.20			.40					6.65
Ireland	do								.29	.42				.68	.22	.74	.09		.58	.33	.65	.78	.67		.94		.08				.03		6.50
Jackson's Mill	do				.22					.06					.58	.90			.72	.47	.38	.52	.74			.06	.32						4.97
Jane Lew	do					.06				.14	.08	.01	.02		.82	.55	.06		.76	.64	.60	.76	.82	.06	.17		.14	T.					5.69
Lost Creek	do						T.		.02	T.		.03			1.00	.76		T.	.93	.43	.42	.46	.75	.07	.25		.52				T.		5.64
Mannington	Monongahela						.06		.03	.20	.10	.09			.92	.63	.10		1.12	.20	.42	.12	.77	.04	.25								5.05
Morgantown	do					.12	.50		T.	.12	.22	.10			.65	.65			1.05	.45	.25	.85		1.45	.35								6.76
New Cumberland	Ohio						.06		.25	.01	.07	.03			.84	.27			.75	.42	.27	.65		.63	.20								4.45
New Martinsville	do									.52					1.05	.40	.08		1.04	.32	.62	1.05	.30	.16	.46								6.00
Parkersburg[2]	do								T.	.01	T.	T.			1.16	.22		.02	.66	.74	.33	.70		.70	.09		T.			.18	T.		4.81
Parsons	Cheat				.51				.18	.17	.01	.03			.73	*	1.42	*	*	1.91	.96	*	*	*	1.59		.23						7.74
Philippi[1]	Tygart	.05					.06			.19	.12	.02	.07		.19	1.01	.57		.48	.64	1.12	.37	.55	.05	.12	.20		.08					5.89
Pickens	do				.30				.26	.65	.28	.12			.95	1.85			1.48	.28	.78	.68	.19	.34	.15	24							8.55
Roanoke	West Fork					.09			.11	.29	.05				.75	1.05	.11		.66	.75	1.20	.30	.69	.12	.18		.12			.05			6.52
Rockford	do					.09			T.	.17	.08	.03			.82	.62	.14	T.	.86	.72	.49	.78	T.	T.	.28		.02						5.10
Rowlesburg	Cheat	.13				1.03				.21	.12	.12	.09		.12	1.21	.54		.61	1.06	.66	.46	.67		.28	.11		.25					7.67
Saint Marys[1]	Ohio									.61	.06				.55	.96	.32		.60	.19	1.27	.50	.90		.72	.10					.81	.02	7.61
Terra Alta[1]	Cheat		T.			.30				.40		T.	T		.30		2.50		.80	1.00	.90	.90		1.00	.20	.50		.30			T.		9.10
Thomas[1]	do					.32	.05			.29	.21	.12	.06		.12	1.45	.99		.40	1.20	.50	.57	.93	T.	.37		T.	.32			T.		7.90
Valley Chapel	West Fork						.08		T.	12	.10		T.		.84	.82	.08		.68	.29	.50	.51	.82	.04	.21		.17	T.			T.		5.26
Vandalia	do								.11						.88	.98	.12		.71	.38	.87		.85		.24		.06						5.20
Wellsburg	Ohio						.40			.28	.06	.08			.90	.23	.06	T.	.73	.28	.05	.14	.39	T.	.91								4.51
West Milford	West Fork					.12					.15		.06		.57	.85	.10		.78	.43	.62	.32	.78	.05	.16		.22						5.21
Weston[1]	do					.09	T.			.18	.15		.06		.22	1.08	.54		.35	.33	1.18	1.02	.75		.12	.10		.10					6.27
Wheeling (Dam 12)[1]	Ohio									.26	.02	.04			.13	1.01	.15		.55	.32	.12	.02	.93	T.	1.93	.38							5.86
Southern Division																																	
Arbovale[1]	Greenbrier				.06				.28		.03	.05			.70	.28	.14	T.	.44	T.	1.04	.08	.03	1.84	.02		.42			T.			5.41
Bancroft	Gr. Kanawha								.30	.05				.76	.71			.60	.10	.19	.93	.30		.30	.05				.26	1.40			5.95
Beckley	New				.97				.32	.09	.06	.23	.05		.86	.38	.06		.68		.51		.10	.07	.66		.43			.40	.31		6.18
Bluefield	do				.10					.13		.26	.07		.40		.75		.27		.41			.62	2.01		.57					.25	5.84
Camden-on-Gauley[1]	Gauley	.16				.16				.30	.09				.42	1.60	.24		.27	.41	1.35	.42	.16	.14	.50	.14	.09	.16			.05		6.66
Charleston[1]	Gr. Kanawha	.35				.07	T.			.33	.12	.02			.52	.65	.30		.24	.45	.29	.76	.27		.19	.27		.35		.26	.85		6.29
Clay[1]	Elk	.11				.05				.23	.09	T.	.01		.25	1.34	.07		.22	.24	.98	.35	.28		.30	.27	.01	.07		.20	.32	.12	5.51
Flat Top	New				.10				.36	.01	T.	.23	.05		1.06	.26	.03		.84	.01	1.06		.04	.10	.73		.42		T.	.58	.37		6.25
Gary[1]	Big Sandy	.01				.25			.01	.34			.28		.54	.28	.39		.05	.31		.23	.07	.05	.77	.10	.29	.12			1.10	.05	5.24
Greenbottom[1]	Ohio	.09					.04			.35	.06	.01			.90	.70	.13		.75	.04	T.	.32	.38	T.	.96					.09	.25		5.07
Hinton[1]	New					T.				.18		T.	.11		.56	.50	.07		.07	.62	.48	.07	.03	.03	.75	.14	.24	.23			.22	.02	4.32
Hogsett[1]	Ohio						.07			.06	.03	.01			.06	.93			.33	.38	.12	1.04	.57		1.00	.09				.05	.65		5.39
Huntington	do						T.		.29	.21	.06	.03			.82	.19	.02	T.	.83	T.	.63	.04	.19	.18	.88				.95	.24	.05		5.61
Institute	Gr. Kanawha				.22				.32	.08	.09	T.			.95	.46			.92		1.25	.25	.09	.16	.23		.46			1.39	.02		6.89
Kanawha Falls[1]	do	.20				T.				.45	.08	T.	.40		.65	.90			.05	.50	1.00	.65	.10	T.	.05	.20	.05	.05		.05	.10		5.48
Lewisburg	Greenbrier				.04	.03			.13	.03	T.	.14			.79	.28	.01		.52		.51		.02	.17	1.02	T.	.40		.01	.03	.12	.02	4.27
Logan[1]	Guyandot	T.				T.			T	.58		T	.24		.42	.50	.08		.21	.40	.13	.14	.10	.02	.29	.07	.17	.12		1.50	.14	.10	5.21
London Locks[1]	Gr. Kanawha					.68				.57	.09		.42		.21	.98	.05		.12	.54	.32	1.32	.18		.23	.07	T.	.07	T.	.03	.21		6.09
Madison[1]	Coal	.10								.68		.11			.79	.30	.40		.50	.10		1.13			.35			.24		.26	1.13	.05	6.14
Marlinton	Greenbrier					T.			.18	.04	.01	.03			1.20		.75		.56	.09	.62	.11		.21	2.29	.02	.38	.16	.36		.03		7.04
Point Pleasant[1]	Ohio						T.			.08	T.	T.	.03		.55	.82			.54	.18	.10	.38	.79	.02	.87						.23	.07	4.66
Rainelle	Gauley								.29	.10	.13	.19	T.		1.07	.85	T.		.78	02	.50	T.	.06	.09	.50		.40	.01		.03	.16	.01	5.19
Ravenswood (Dam 22	Ohio									.24		T.			.46	.87	.05		.33	.20	1.43	.18	1.40	T.	.95	.02				.23	.28	.04	6.68
Richwood[1]	Gauley				.32				.46	.08		.06		.26	1.42	.42		.10	.45	.10	.90	.22	.49	.70	.30	.07	.19		.95	.03	.06		7.58
Robertsburg[1]	Gr. Kanawha						.24			.34	.08	.04			.66	.70	.04		.68	.14	.10	.89	.42	T.	.54					.04	.61	.03	5.55
Ryan	do				.53				.14	.04		.02			.90	.50			.33	.28	.64	.22	.70	.06	.15		.13			1.48	.06		6.18
Sharples[1]	Coal									.85						1.42			.60	.50	.31			.50							.82		5.00
Spencer[1]	Litl.Kanawha	T.			.38	.04			.35	.12					.49	.94	.08	T.	.27	.30	1.83	.15	.69	.02	.17			.08		.15	.35	.04	6.45
Summersville[1]	Gauley	.32			.14					.57	.06					1.03	1.01		.10	1.02	.20	1.06	.15	.06	.33	.18	.10	.28		.02			6.63
Sutton	Elk					.15			.30	.25	.15	T.			.95	.85			.60	.25	1.10	.40	.35		.60		.15				.15		6.25
Thornwood[1]	Greenbrier				.17				.28	.05	.08			.39	.52	.59	T.	.21	.63	.78	.50	.18	T.	1.08	.05	.07	.19						5.77
Union	New					.04						.02	.18		.61		.65		.57		1.40	.03		.26	1.27	.02	.66	.02			.17		5.90
Wayne[1]	Twelvepole	.36							.46	.08					.88	.47	.14		.18	.04	.26	.23	.29	.65				.33		.50	.09		4.96
White Sulp'r Spgs.[1]	Greenbrier								.10			.20		.50	.65	.10		.10	.55	.60	.10	.05	.15	.95	.30	.30	.40		.40	.10	.10		5.65
Williamson[1]	Big Sandy	.02							.12	.81	.02		.48		.39	.41	.25		.11	.44	.58	.40	.03	.01	.40	.11	.01	.02			.49	.23	5.33
Winfield Locks	Gr Kanawha	.14								.28	.05	.01			.48	.87			.10	.52	.17	1.29	.29		.24	.03		T.		.13	.71	.05	5.36

Supplemental Rainfall Data—Totals: Elk. . 5.40 Midvale. . 8.04 Mt. Clare. . 4.66 Parsons No. 2. . 7.57 Salem. . 5.76 Shinnston. . 5.42 Valley Head. . 5.87

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for May 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	67	79	80	83	80	70	72	65	60	53	50	50	62	52	45	62	66	55	77	74	76	70	78	61	71	61	74	77	71	60	67	66.7
	Minimum	22	28	45	47	47	49	39	39	42	42	40	25	20	28	38	40	38	47	48	52	57	52	43	50	28	35	48	39	42	45	34	40.3
Brandywine	Maximum	72	84	82	86	90	76	82	80	70	65	66	60	70	67	65	66	75	70	80	79	84	80	81	78	75	72	70	80	75	70	72	74.9
	Minimum	34	35	42	50	54	52	44	48	50	47	46	32	30	45	42	46	42	52	54	58	57	58	51	58	41	51	50	52	50	47	40	47.0
Kearneysville	Maximum	84	81	85	81	83	79	81	71	72	67	65	61	68	61	58	71	79	69	63	84	83	77	75	76	64	62	69	78	74	66	67	72.7
	Minimum	60	39	47	54	60	58	52	51	52	51	48	35	35	44	44	51	49	54	54	59	65	61	59	62	39	51	55	55	51	56	39	51.3
Martinsburg[1]	Maximum	78	88	91	88	88	88	82	68	77	67	68	64	72	62	62	74	81	72	65	88	86	84	78	77	68	62	70	83	73	68	72	75.6
	Minimum	40	43	50	58	58	63	55	55	55	52	50	38	38	44	45	52	52	57	54	55	60	62	59	59	40	48	55	55	58	50	40	51.6
McNeill	Maximum	78	89	90	92	89	77	82	78	71	66	65	61	69	69	55	69	75	65	70	81	81	76	79	79	70	70	74	76	78	66	70	74.5
	Minimum	33	29	39	46	55	53	41	44	57	44	40	28	27	36	44	48	35	42	53	55	56	55	48	58	34	47	55	43	45	49	54	44.9
Piedmont	Maximum	70	82	86	88	84	75	77	74	67	62	59	55	65	49	57	68	72	55	66	81	80	78	74	67	66	62	71	77	72	67	66	70.1
	Minimum	38	48	46	55	58	59	47	55	48	47	47	30	31	40	43	44	42	52	53	60	60	58	51	60	37	49	56	53	60	54	40	49.1
Romney	Maximum	67	86	86	92	89	73	74	74	66	69	58	57	67	67	53	66	69	69	67	79	79	75	76	76	66	65	71	71	62	62	68	70.9
	Minimum	39	37	45	53	59	58	52	47	52	50	48	31	30	41	46	46	51	53	54	59	63	60	53	61	32	50	56	50	54	51	37	49.0
Wardensville	Maximum	73	85	88	89	83	76	80	80	69	61	64	59	68	56	62	69	74	60	75	81	83	77	79	74	68	60	72	79	79	66	67	72.8
	Minimum	38	33	43	50	55	54	43	52	47	46	41	31	30	40	42	50	42	52	53	57	58	58	52	60	37	58	54	46	50	49	35	47.0
Northern Division																																	
Bens Run	Maximum	76	84	89	92	87	83	86	77	67	68	60	65	72	62	53	70	71	66	83	82	84	77	82	70	76	75	86	89	83	73	82	76.5
	Minimum	38	42	42	58	59	53	50	56	47	49	49	33	36	46	45	47	45	55	59	63	62	61	58	51	43	56	52	55	62	59	50	51.0
Buckhannon	Maximum	67	74	82	82	82	72	75	69	69	60	60	55	60	64	52	64	69	65	76	75	78	73	80	75	69	65	75	80	80	73	75	70.8
	Minimum	38	48	48	55	50	58	47	54	48	48	46	36	32	48	45	46	45	58	60	60	61	60	57	58	42	55	49	52	60	59	47	50.6
Clarksburg[1]	Maximum	74	84	87	91	86	77	80	70	67	62	59	63	67	67	53	69	72	64	84	81	82	76	85	68	75	72	83	88	82	68	77	74.6
	Minimum	32	35	44	52	50	52	44	50	48	48	47	29	30	38	44	46	41	55	58	60	62	60	55	59	38	47	48	50	58	59	44	47.8
Creston	Maximum	76	81	89	87	82	81	83	80	62	64	57	57	67	67	56	63	64	67	85	85	75	70	83	79	71	71	81	81	81	81	72	74.1
	Minimum	33	36	47	51	55	46	44	50	45	47	45	28	30	45	43	40	37	45	50	40	50	60	55	57	40	55	52	49	57	59	45	46.3
Elkins	Maximum	67	79	82	85	84	70	75	66	61	55	55	54	64	58	47	62	68	62	74	75	78	72	81	65	74	63	77	82	75	65	74	69.3
	Minimum	34	34	44	51	55	54	44	47	45	45	39	31	28	43	41	44	46	53	58	60	58	51	51	45	39	51	50	50	53	53	48	46.7
Fairmont	Maximum	75	87	89	93	87	78	82	72	70	63	59	61	70	62	54	69	70	64	85	83	83	77	85	70	74	72	83	88	88	71	80	75.6
	Minimum	34	37	48	56	60	55	45	51	48	48	47	31	32	45	44	46	42	44	48	63	64	59	56	61	39	53	49	51	57	57	49	49.0
Glenville	Maximum	73	86	86	92	94	88	82	82	68	64	60	61	70	68	58	65	67	67	87	89	81	85	86	85	83	74	84	93	92	84	80	78.5
	Minimum	35	37	47	52	57	52	47	51	47	49	49	31	32	47	44	47	41	56	60	60	60	61	57	58	40	55	52	53	59	59	45	49.7
Grafton	Maximum	68	82	88	88	91	85	80	81	70	68	63	57	68	69	52	70	72	68	74	71	80	81	84	85	75	75	75	84	90	82	80	76.0
	Minimum	33	35	44	53	55	55	43	48	47	48	46	31	29	42	43	46	38	53	58	56	58	58	53	56	36	52	47	50	54	56	42	47.3
Lost Creek	Maximum	71	81	85	91	84	82	81	71	68	64	63	61	68	66	56	65	71	64	80	79	81	75	84	81	73	73	79	86	81	73	77	74.6
	Minimum	31	31	42	50	54	44	41	47	47	48	45	28	26	43	43	42	41	55	58	61	62	60	55	57	37	53	46	51	58	59	43	47.0
Mannington	Maximum	68	79	84	85	83	79	76	73	68	63	56	56	63	62	51	66	67	64	79	78	77	71	80	79	70	69	77	81	79	72	73	71.9
	Minimum	31	33	43	51	55	48	41	47	48	48	45	29	29	40	44	45	37	53	57	60	63	59	54	56	37	51	48	48	55	57	45	47.0
Morgantown	Maximum	74	87	89	93	90	77	86	69	65	66	60	61	70	63	50	70	73	64	80	83	80	77	84	81	76	72	83	89	84	73	81	75.8
	Minimum	36	37	49	58	62	55	47	49	47	49	46	33	32	44	44	46	47	53	57	64	62	58	56	56	39	54	50	53	62	57	50	59.1
New Cumberland	Maximum	71	82	86	89	86	84	77	79	72	67	60	53	63	60	54	67	67	70	79	81	82	75	75	67	74	72	81	84	82	77	79	74.0
	Minimum	35	39	46	59	55	46	40	52	47	48	43	28	35	46	46	48	43	53	54	66	56	56	52	55	39	49	51	52	52	57	47	48.2
New Martinsville	Maximum	72	82	88	89	87	89	78	80	62	68	58	60	68	70	52	70	70	67	82	78	80	75	75	66	75	70	83	86	85	75	83	74.9
	Minimum	34	35	45	58	59	45	46	50	45	46	45	30	30	42	45	46	40	52	55	60	60	55	50	55	36	50	52	54	57	58	48	47.8
Parkersburg	Maximum	71	82	88	89	83	76	80	72	66	63	58	58	67	60	58	69	70	69	86	83	83	76	84	68	74	72	82	87	79	72	77	74.3
	Minimum	39	41	54	58	62	52	48	60	46	48	42	31	33	46	45	46	45	56	63	64	62	59	61	52	43	57	52	56	63	59	53	51.5
Parsons	Maximum	75	85	85	90	86	70	81	69	66	60	61	59	70	56	50	67	69	60	79	79	72	75	82	68	69	72	72	85	76	65	74	71.8
	Minimum	35	45	46	47	55	45	45	47	48	45	45	32	29	42	41	41	42	53	55	55	65	55	53	46	40	48	49	51	54	53	42	46.7
Pickens	Maximum	71	80	81	70	80	82	77	73	65	56	56	52	62	57	48	57	68	59	77	71	76	69	72	56	62	64	73	78	77	68	74	68.1
	Minimum	28	37	45	47	48	51	42	40	38	39	30	26	25	38	34	38	37	40	53	54	58	52	50	47	51	47	45	42	53	51	42	42.8
Wellsburg	Maximum	74	84	88	91	90	82	79	82	72	70	62	59	68	63	52	71	69	64	82	83	79	78	81	70	78	74	85	87	82	71	77	75.7
	Minimum	28	32	42	53	52	44	37	48	45	46	42	24	29	35	45	41	36	51	58	64	57	54	50	54	34	47	47	47	54	57	41	45.0
Weston	Maximum	74	81	88	89	86	76	83	68	66	61	60	61	66	52	66	75	68	77	82	81	73	79	82	68	76	78	82	87	82	75	78	74.8
	Minimum	55	37	48	54	56	55	46	51	48	48	49	32	31	47	44	47	43	54	61	62	61	61	57	59	40	55	51	51	59	60	45	50.5
Wheeling	Maximum	71	83	86	86	85	77	77	75	64	67	55	55	67	57	53	69	65	65	81	79	75	75	76	64	74	70	82	86	82	72	76	72.5
	Minimum	35	39	47	57	59	51	46	53	47	49	45	31	35	40	47	48	46	52	56	64	61	55	55	55	40	52	52	54	57	59	48	49.5
Southern Division																																	
Beckley	Maximum	71	81	82	86	78	72	82	78	65	59	59	58	66	63	58	62	73	67	83	81	80	74	80	76	73	66	79	82	76	62	71	72.4
	Minimum	35	37	38	48	50	52	40	49	39	42	42	31	28	43	39	42	35	52	59	58	57	52	57	52	35	50	47	50	54	52	43	45.4
Bluefield	Maximum	67	80	84	84	78	75	80	80	68	64	60	58	67	64	62	66	72	69	83	82	80	82	80	79	68	66	76	78	83	69	78	73.6
	Minimum	41	40	53	53	52	56	46	48	42	45	42	37	38	48	42	43	38	55	61	59	66	53	56	55	40	51	46	52	55	55	44	48.8
Charleston	Maximum	71	79	88	89	85	80	84	72	70	63	65	62	68	68	62	72	74	68	88	81	86	79	86	72	74	71	85	88	85	71	80	76.3
	Minimum	51	48	46	59	60	59	50	50	49	49	52	37	38	45	49	47	46	59	60	64	62	64	60	60	58	53	54	57	60	60	58	53.7
Gary[1]	Maximum	74	85	85	88	82	76	84	72	66	60	65	61	68	69	62	65	75	70	87	80	85	77	85	71	75	70	81	81	80	65	77	74.9
	Minimum	43	41	49	53	54	56	45	54	48	52	43	44	38	43	49	48	41	50	59	63	59	57	60	61	49	54	52	53	57	60	53	51.2
Hinton[1]	Maximum	66	81	92	91	88	87	83	91	88	74	68	69	67	74	62	63	68	81	69	92	82	90	84	90	70	75	68	85	90	77	72	78.6
	Minimum	39	40	44	51	55	56	46	50	47	47	44	40	35	40	45	45	43	44	56	60	59	55	56	59	48	50	55	55	56	57	50	49.3
Huntington	Maximum	71	85	89	90	86	80	84	77	72	67	66	62	67	66	64	70	77	75	89	86	87	78	85	80	75	77	84	88	81	74	78	77.7
	Minimum	41	45	55	57	59	52	50	59	46	49	51	35	37	51	48	47	45	60	64	65	63	61	62	60	47	59	54	56	60	63	58	53.5
Lewisburg	Maximum	71	78	82	82	76	74	77	73	65	60	58	57	62	60	55	63	70	68	80	79	79	75	77	77	67	64	76	77	71	66	67	70.5
	Minimum	44	45	52	54	54	59	47	53	48	47	47	40	38	50	49	48	44	55	62	59	62	59	57	60	45	55	57	55	57	54	47	51.7
Madison	Maximum	73	85	88	91	76	79	84	85	69	54	55	62	68	59	64	56	77	70	88	80	85	76	86	69	75	75	83	87	81	71	80	75.2
	Minimum	42	42	44	54	56	55	46	53	45	48	50	34	35	39	46	47	44	49	59	61	61	58	59	60	47	55	54	53	59	59	52	50.5
Marlinton	Maximum	73	80	79	88	84	76	81	77	66	61	60	57	66	62	55	61	72	65	82	78	79	74	79	78	78	66	79	81	73	68	69	72.5
	Minimum	36	34	42	42	51	52	40	46	45	46	48	32	33	44	43	40	39	52	56	57	51	52	50	55	41	53	52	55	55	53	41	46.3
Point Pleasant	Maximum	72	85	90	89	87	82	83	81	69	67	62	62	69	64	64	70	73	72	88	85	85	80	84	82	76	76	86	88	83	72	80	77.6
	Minimum	39	40	56	58	60	50	48	60	46	49	49	33	33	49	46	46	45	58	63	64	63	69	62	59	45	58	54	56	56	61	53	52.5
Rainelle	Maximum	68	82	83	81	69	65	82	74	62	58	58	50	64	56	51	62	67	64	71	71	79	83	81	70	65	65	73	73	65	66	69	68.6
	Minimum	32	31	40	44	45	46	37	44	43	40	39	31	29	47	40	43	35	51	56	56	57	50	50	55	39	53	51	46	55	53	45	44.6
Ravenswood	Maximum	74	82	87	92	92	84	81	79	69	68	63	59	68	69	68	68	66	70	82	81	78	77	72	72	73	74	82	83	82	71	78	75.6
	Minimum	36	36	37	55	60	47	45	42	47	49	48	29	30	49	46	42	42	57	62	63	63	60	60	58	46	58	49	53	62	52	54	49.6
Richwood	Maximum	70	81	83	86	82	74	80	66	64	56	57	56	65	61	53	62	68	66	84	74	80	73	82	66	75	66	83	83	76	65	73	71.3
	Minimum	37	42	49	51	54	41	47	45	44	44	32	31	34	41	43	38	41	55	57	57	54	53	59	40	42	43	49	55	57	48	45	46.1
Robertsburg[1]	Maximum	76	87	90	91	92	80	84	78	76	66	61	62	72	70	61	71	74	71	85	84	90	78	89	72	73	78	86	88	80	71	70	77.6
	Minimum	38	40	45	55	58	50	48	53	44	50	49	32	33	41	47	45	44	55	60	63	63	60	61	61	45	54	51	54	62	61	56	50.9
Ryan	Maximum	70	83	85	88	80	76	80	65	63	60	65	57	65	55	60	70	75	70	80	70	80	78	80	68	70	70	80	84	70	68	75	72.3
	Minimum	32	35	45	47	55	47	46	42	42	46	45	29	29	47	45	38	39	56	59	59	59	60	56	52	41	57	48	50	48	58	48	47.1
Spencer[1]	Maximum	65	73	89	91	83	77	82	67	66	65	65	63	60	69	64	60	69	72	68	86	83	82	79	87	70	74	72	83	87	82	73	74.4
	Minimum	36	38	46	56	50	45	51	46	48	50	49	30	30	40	45	45	41	48	59	63	63	62	58	62	44	50	50	52	58	60	47	49.1
Sutton	Maximum	69	82	83	89	89	85	81	81	65	65	58	59	68	68	56	68	68	68	85	85	83	83	86	86	73	73	82	80	85	81	81	76.3
	Minimum	36	36	44	46	54	56	44	49	46	48	49	32	30	44	43	46	39	55	53	53	54	48	54	57	41	53	51	50	55	58	42	47.3
Union	Maximum	75	78	81	87	77	77	77	81	70	64	60	60	65	65	58	62	70	70	80	81	76	75	80	80	69	69	76	80	70	70	69	72.6
	Minimum	37	37	44	47	49	57	39	46	44	46	43	40	35	48	42	42	35	54	60	58	60	56	55	58	40	53	55	49	52	50	44	47.6
White Sulphur Spgs.	Maximum	79	82	86	88	83	79	82	74	72	74	79	68	74	63	59	68	79	66	84	87	85	74	87	72	71	68	84	84	76	69	74	76.5
	Minimum	34	34	41	44	50	54	39	46	47	46	38	38	32	49	43	36	36	52	56	50	56	50	51	58	43	54	54	52	56	54	41	46.3
Williamson[1]	Maximum	73	84	89	89	82	79	84	73	68	63	56	61	68	66	65	68	78	72	86	80	86	76	86	71	75	76	86	85	81	68	78	75.9
	Minimum	45	46	49	57	59	56	50	53	45	49	50	39	38	45	52	45	46	53	60	62	63	59	61	60	49	56	56	54	59	61	55	52.6

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.078	.158	.202	.233	.216	.214	.245	.195	.055	.224	.088	.109	.163	.150	.050	.002	.082	.073	.064	.059	.147	.269	.142	.148	.132	.105	.045	.272	.208	.234	.181	4.543
	Wind movement	48	3	23	36	28	37	49	29	52	114	66	36	39	14	78	118	93	27	11	10	10	34	8	36	57	9	7	10	12	67	92	1,253

[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 7-7-38—900)

WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI   PARKERSBURG, W. VA., JUNE 1938   No. 6

GENERAL SUMMARY

June was a rainy month with fairly uniform frequency of occurrence over the State. Notably heavy falls were recorded on the 10-12th and from the 16th to the 27th. Amounts in excess of three inches in 24 consecutive hours occurred at New Cumberland, Saint Marys, Dam 19 O. R., and Weston. As a whole the month was one of the rainiest of record, only two years, 1907 and 1928 being greater. The rainfall was in excess of the normal at all stations. Torrential rain, attending an electrical storm, fell over Ritchie county on the 24th, causing inestimable damage to homes, barns, automobiles, garages, bridges, highways, railroads and crops, along Goose Creek and near Petroleum. Two women were killed by lightning near Glenville.

The monthly temperature averages were below normal at all stations, except a few in the northeastern panhandle section, where the averages were slightly above normal.

Heavy hail on the 16th in the eastern part of Logan county, caused considerable damage to crops and roofs.

Owing to wet soil, planting and cultivation were much delayed. At the close of the month corn was about two weeks late, while pastures and meadows were making good growth. —*H. C. D.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 67.8°, or 1.8° below the normal. The mean for the northeastern panhandle division was 67.8°; for the northern division, 67.3°; and for the southern division 68.3°. The highest monthly mean was 73.0° at Bancroft and the lowest, 60.0° at Bayard. The highest temperature was 97° at Inwood and Martinsburg, on the 11th and 24th, respectively, and the lowest, 28° at Bayard on the 1st. This was within a degree of the record low temperature for June. The greatest daily range was 48° at McNeill on the 6th and 7th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 5.69 inches, which is 1.48 inches above the normal. In the northeastern panhandle division the average was 3.71 inches; in the northern division, 6.31 inches; and in the southern division 5.39 inches. The greatest monthly precipitation was 9.65 inches at Brownsville and the least, 2.15 inches at Wardensville. The greatest amount in any 24 consecutive hours was at New Cumberland on the 11th, when 3.69 inches fell in one hour and fifty minutes. Precipitation amounting to 0.01 inch or more fell on an average of 14 days.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	1	7	..	6	..	7	5	2	1	..	7	15	7	..	5	5	5	2	4	..	..	..	..	..	..	..	7	7	..
Gales	..	..	..	..	..	..	1	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Hail	..	..	..	..	..	..	4	..	..	..	..	1	1	..	..	3	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Halos, lunar	..	1	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	1	..	1	1	..	..	..	..	2	1	1	..	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	2	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	1	3	2	8	1	20	4	..	7	..	25	4	3	1	21	..	3	4	1	..	..	9	8	3	18	2	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.02	30.29	13	29.73	26	6.7	25	nw.	11	81	58	61	70
Columbus, Ohio	30.01	30.28	14	29.75	25	8.9	32	sw.	11	73	48	52	64
Elkins	30 04	30.34	14	29.81	7	4.8	21	w.	2	93	68	79	52
Parkersburg	30.01	30.29	14	29 78	26	5.6	21	nw.	11	80	56	63	63
Pittsburgh, Pa	30.02	30.30	14	29.74	25	9.0	34	nw.	11	74	53	60	65
Wytheville, Va	30.05	30.28	11	29.86	7	5.5	24	nw.	17	84	59	68	50

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	......	......	3.40	5.40	4.97	5.02	......	......	......	......	......
1892	74.1	99	41	4.30	3.85	3.77	3.90	......	......	......	......	......
1893	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	......	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	......	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	.....	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	......	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4 09	4.80	......	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4 20	......	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910	66.6	96	32	7.67	4.46	6 39	5.67	......	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913	69.5	99	29	3 32	3.23	3.70	3.44	......	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	......	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	......	10	18	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.31	4.66	.....	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	.....	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	......	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	..	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	.....	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931	69.8	105	33	2 70	3.82	2.67	3.24	......	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934	**74.3**	106	41	2.94	3.88	3.07	3.45	.....	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	......	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	......	14	10	11	9
Period	69.6	109	27	3.90	4.43	4.35	4.37	......	11	13	10	7

Climatological Data for June 1938

STATIONS	COUNTIES	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	OBSERVERS
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in. or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	60.0	−3.5	84	25	28	1	42	5.31	+0.18	1.04	0.0	13	16	9	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	67.2	+.2	91	11	35	1	43	6.00	+2.12	1.10	.0	15	15	2	13	sw.	E. L. Keister
Harpers Ferry	Jefferson	244	49	...	...	...	...	...	...	...	2.23	−1.42	1.07	.0	9	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	6	72.2	...	97	24	39	1	40	2.57	...	.95	.0	9	12	13	5	e.	H. W. Prettyman
Kearneysville	Jefferson	548	8	69.8	...	92	26	38	1	35	3.23	...	1.01	.0	10	11	15	4	s.	University Exp. Station
Martinsburg	Berkeley	435	46	72.5	+1.5	97	11	40	1	39	2.56	−1.58	.58	.0	11	24	5	1	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	66.9	−.9	91	25	32	1	48	4.29	+.69	1.79	.0	14	7	15	8	sw.	R. E Saville
Piedmont	Mineral	1,053	25	67.1	−1.0	88	†11	39	1	38	3.48	−.52	.98	.0	10	7	14	9	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	67.4	−1.5	93	†25	38	1	41	2.51	−1.31	.54	.0	12	14	11	5	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	...	...	...	...	...	...	...	5.53	...	1.53	.0	14	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	18	...	...	...	...	...	...	...	4.64	+.62	1.04	.0	14	6	7	17	w.	A. C. Becker
Wardensville	Hardy	1,200	17	67.1	+1.6	90	11	42	15	38	2.15	−.85	.41	.0	13	9	14	7	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	...	...	...	...	...	...	...	7.24	+2.88	1.30	.0	16	5	14	11	w.	L. Else Bond
Alma (near)	Tyler	800	11	...	...	...	...	...	...	...	6.53	+2.43	1.75	.0	14	12	4	14	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	61.4	...	84	24	37	†4	42	7.67	...	2.06	.0	17	9	12	9	w.	Christian Hertig
Benson	Harrison	1,080	14	66.3	−1.9	88	11	41	9	40	5.77	+1.46	2.00	.0	15	8	17	5	...	R. D. Marts
Bens Run	Tyler	652	36	70.7	−.1	88	†10	51	29	33	6.24	+2.02	1.13	.0	15	19	9	2	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	69.0	−.5	89	11	44	1	42	9.65	+5.34	2.45	.0	19	4	22	4	...	M. W. Hawkins
Buckhannon	Upshur	1,411	41	67.4	−1.0	84	†11	46	†1	31	7.11	+2.40	1.67	.0	15	10	11	9	...	H. A. Darnall
Cairo	Ritchie	680	37	69.2	−1.1	89	26	47	†6	38	6.47	+1.96	2.10	.0	10	9	9	12	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	67.6	−1.8	89	11	42	6	42	5.20	+.93	1.60	.0	14	8	6	16	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	15	...	...	...	...	...	...	...	6.36	+1.59	1.13	.0	16	7	13	10	sw.	George W. Blair
Creston	Wirt	640	36	66.1	−4.6	89	24	42	29	42	4.81	+.43	1.47	.0	13	12	10	8	...	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17	...	...	...	...	...	...	...	6.08	+1.74	1.63	.0	15	...	...	...	...	Lockmaster
Dam 13 O. R.	Ohio	655	22	...	...	...	...	...	...	...	5.10	+1.27	1.68	.0	10	...	...	...	...	Lockmaster
Dam 15 Mon. R.	Marion	882	17	...	...	...	...	...	...	...	5.60	+1.61	1.60	.0	11	...	...	...	...	Lockmaster
Dam 19 O. R.	Wood	600	22	...	...	...	...	...	...	...	6.47	+2.55	3.40	.0	13	...	...	...	...	Lockmaster
Dam 20 O. R.	Wood	600	22	...	...	...	...	...	...	...	4.99	+1.00	2.40	.0	13	...	...	...	...	Lockmaster
Davis	Tucker	3,093	29	...	...	...	...	...	...	...	...	...	...	..	..	...	...	..	...	Mrs. I. C. Bennett
Elizabeth (Dam 3 L. K.)	Wirt	615	26	...	...	...	...	...	...	...	8.80	+4.59	2.70	.0	13	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	37	64.4	−2.5	84	26	41	1	41	5.77	+.71	1.78	.0	17	4	10	16	se.	U. S. Weather Bureau
Fairmont	Marion	883	32	69.2	−1.1	90	11	45	1	42	5.26	+.85	.99	.0	14	14	6	10	w.	J. C. Robinson
Glenville	Gilmer	738	44	69.6	−1.5	89	3	46	7	40	6.67	+2.28	2.02	.0	16	10	12	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	68.0	−1.1	89	25	42	1	40	5.97	+1.84	1.26	.0	15	7	13	10	...	L. W. Clayton
Hastings	Wetzel	809	3	...	...	...	...	...	...	...	5.06	...	1.29	.0	16	14	12	4	w.	L. G. McIntyre
Horner	Lewis	1,044	15	...	...	...	...	...	...	...	8.25	+3.95	1.80	.0	15	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	15	...	...	...	...	...	...	...	6.55	+2.48	1.20	.0	16	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	67.3	−.3	87	10	43	1	40	6.93	+2.60	2.12	.0	11	9	6	15	w.	Allen Smith
Mannington	Marion	974	35	65.8	−2.0	84	11	42	1	36	5.17	+.89	1.25	.0	18	9	9	12	w.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45	67.5	−1.8	88	10	44	1	41	5.74	+1.50	1.50	.0	15	14	10	6	...	Bruce Davis
New Cumberland	Hancock	671	40	67.6	−.6	91	24	44	1	35	7.40	+2.85	3.69	.0	13	12	5	13	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	68.2	−2.9	87	†14	45	1	39	4.83	+.72	.95	.0	11	11	13	6	s.	Wm. Ankrom
Parkersburg	Wood	615	51	69.8	−1.6	88	11	50	9	34	4.70	+.70	1.85	.0	15	9	8	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	65.4	−1.5	88	†11	40	1	44	4.74	−.25	2.31	.0	10	13	8	9	...	J. W. Swisher
Philippi	Barbour	1,550	41	...	...	...	...	...	...	...	7.79	+2.10	1.70	.0	18	...	...	...	...	H. F. Brittingham
Pickens	Randolph	2,697	35	60.4	−4.5	82	26	38	29	36	7.69	+1.89	1.58	.0	15	12	8	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	...	...	...	...	...	...	...	5.82	+1.51	1.01	.0	15	10	8	12	...	Miss Mary A. Conrad
Saint Marys	Pleasants	577	30	...	...	...	...	...	...	...	7.07	+2.90	3.35	.0	15	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	37	...	...	...	...	...	...	...	4.30	−1.88	1.00	.0	7	...	...	...	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	...	...	...	...	...	...	...	5.71	...	1.46	.0	15	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	15	69.0	−.6	89	12	40	1	44	8.19	+4.44	2.05	.0	16	8	15	7	sw.	J. C. Campbell
Vandalia	Lewis	1,120	15	...	...	...	...	...	...	...	9.55	+5.74	2.62	.0	13	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	31	66.4	−1.6	89	21	40	1	43	6.97	+2.83	1.74	.0	10	15	9	6	...	George P. Pfister
West Milford	Harrison	979	13	...	...	...	...	...	...	...	6.56	+2.29	1.68	.0	13	...	...	...	...	Miss Dicie E. Wagner
Weston	Lewis	1,026	43	70.0	−.4	90	11	45	1	42	9.19	+4.85	3.17	.0	15	0	21	9	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	68.6	−2.0	87	21	47	†1	36	6.54	+2.65	1.43	.0	13	4	16	10	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	...	...	...	...	...	...	...	5.10	+1.35	1.34	.0	13	9	9	12	w.	H. S. Sutton
Bancroft	Putnam	574	34	73.0	+2.3	94	11	52	29	36	4.37	+.05	.95	.0	13	8	13	9	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	63.9	−6.0	85	11	40	†4	39	6.73	+2.32	1.24	.0	18	7	14	9	...	L. A. Mauck
Bluefield	Mercer	2,558	43	70.7	+.6	88	7	48	†1	33	4.24	+.01	1.42	.0	14	6	16	8	...	Norfolk & Western Ry.
Charleston	Kanawha	602	35	71.6	−1.5	91	11	52	†4	36	3.20	−1.19	.74	.0	16	12	8	10	...	Charleston Daily Mail
Clay	Clay	790	22	...	...	...	...	...	...	...	5.02	+.51	1.89	.0	16	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	..	62.2	...	78	12	45	1	24	4.94	...	1.46	.0	16	...	...	...	...	U.S. Airway Station
Gary	McDowell	1,426	22	68.5	−.8	87	†7	48	†1	36	5.71	+.64	1.70	.0	15	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	70.0	...	90	11	48	28	34	6.18	...	1.64	.0	13	13	13	4	sw.	State Forest Nursery
Hinton	Summers	1,431	41	70.0	−.5	95	11	44	1	43	4.83	+.53	1.24	.0	12	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	22	...	...	...	...	...	...	...	5.85	+1.82	1.08	.0	13	...	...	...	...	Lockmaster
Huntington	Cabell	571	41	72.2	−.7	90	23	53	†4	34	5.76	+1.53	1.72	.0	12	4	23	3	sw.	H. N. Robinson
Institute	Kanawha	616	..	70.2	...	90	11	50	29	35	3.88	...	.96	.0	13	...	...	...	...	Bureau of Air Commerce
Kanawha Falls	Fayette	618	19	...	...	...	...	...	...	...	6.05	+1.97	1.20	.0	12	...	...	...	...	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	65.6	−1.6	82	11	45	1	30	6.72	+2.78	1.43	.0	19	6	10	14	...	J. K. Monroe
Logan	Logan	700	35	...	...	...	...	...	...	...	6.58	+1.69	1.42	.0	14	...	...	...	...	Paul A. Simonds
London Locks	Kanawha	623	2	71.0	...	95	8	52	4	40	4.85	...	1.42	.0	12	8	0	22	se.	Lockmaster
Madison	Boone	675	17	69.8	−2.5	90	13	49	28	31	7.47	+3.31	1.28	.0	13	9	6	15	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	64.2	−.1	85	11	38	1	40	4.52	−.29	.98	.0	14	10	11	9	...	U. S. Forest Service
Point Pleasant	Mason	595	45	71.0	−1.4	88	†11	52	†14	33	5.39	+1.31	1.48	.0	14	14	7	9	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	61.4	...	84	26	39	†1	36	6.82	...	1.43	.0	18	13	5	12	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	69.6	−.9	87	16	49	†4	32	6.69	+2.55	1.79	.0	13	14	1	15	se.	Lockmaster
Richwood	Nicholas	2,193	8	65.0	...	85	11	42	3	34	5.77	...	1.22	.0	19	7	14	9	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	70.8	−.4	91	11	50	29	37	5.55	+1.73	1.19	.0	14	21	0	9	...	M. Frazier
Ryan	Roane	700	35	66.8	−2.0	85	†7	46	†4	33	3.95	−.70	.79	.0	13	10	12	8	...	Wm E. Ryan
Spencer	Roane	789	34	69.2	−.5	92	12	48	†4	35	4.28	−.23	1.14	.0	15	7	14	9	...	A. M. McKown
Summersville	Nicholas	1,894	5	...	...	...	...	...	...	...	4.79	...	.93	.0	14	...	...	...	...	Mrs. Anna Taylor
Sutton	Braxton	850	32	68.8	−2.5	90	†10	45	1	40	5.30	+.34	1.45	.0	10	20	0	10	...	C. B. Eakle
Union	Monroe	2,250	34	65.2	−2.6	83	†11	42	14	35	6.49	+2.50	1.55	.0	16	13	8	9	...	C. B. King
Wayne	Wayne	598	11	...	...	...	...	...	...	...	5.93	+1.91	1.93	.0	13	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	66.7	−1.3	95	7	39	1	45	5.60	+1.62	.90	.0	14	15	8	7	...	White Sulphur Spgs. inc.
Williamson	Mingo	673	38	71.3	−1.3	91	11	53	†4	35	6.06	+1.29	1.20	.0	14	11	12	7	ne.	J. E. Dotson
State averages and	extremes	...	...	**67.8**	**−1.8**	**97**	**†11**	**28**	**1**	**48**	**5.69**	**+1.48**	**3.69**	**.0**	**14**	**10**	**11**	**9**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days, etc. † Also on other dates.

Daily Precipitation for June 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac			.55		.25		.73				.32	.10	.60				1.04	.35	.70	.32		.05					.03	.27				5.31
Brandywine	do		.45	.05		.07			.30		.40		.75				1.10	.20		.75	.50	.23	.10		.35		.70		.05				6.00
Harpers Ferry[1]	do			.30	T.	.04	.05		1.07				.10	.49							.02		T.					.15	.01				2.23
Inwood	do		.42			.02		.67			.04		.95				T.		.02			.02					.17	.26					2.57
Kearneysville	do		.08	.28		.22	.04	.12	.57		T.	.01	1.01														.25	.65					3.23
Martinsburg[1]	do			.45		.05	.12		.58			.05		.25					.05				.05				.32	.22	.42				2.56
McNeill	do		1.79			.33			.25			.13	.30	.30	T.				.16	.07	.02		.06			.02	.61	.23	.02				4.29
Piedmont	do		.98	.18				.08			.46		.30				.82	T.		.08			.07			.07		.44					3.48
Romney	do		.44	.01		.02			.37				.31				.50	.02	.01		.07		.08				.54	.14					2.51
Spruce Knob[1]	do			.38		.17	.08		.58					.49			.12	1.53		.34	.28	.53	.27	T.			T.	.19	.39	.18			5.53
Stony River Dam[1]	do			.70		.30			.60			.29	.10	.48				1.04	.29	.18	.12	.08	.06					.27	.13				4.64
Wardensville[1]	do			.41		.20			.06			.07		.36				.36		.15	.14	.02	.14				.02	.12	T.	.10			2.15
Northern Division																																	
Aberdeen	West Fork		.41	.71		.30		.41	.51		T.	.33	.94	.19			1.30		.84	.23	T.	.05	.05		.03		.58	.36	T.				7.24
Alma (near)	Ohio		.50	.04		.20		.10			.71	.14	.37				1.75		.01				.16		1.10	.34	.45	.66					6.53
Alpena	Cheat		.55	.21		.40		T.	.47		T.	.48	.98	.05			2.06	.04	.94	.27	.14	.21				.40	.22	.20	.05				7.67
Belington	Tygart		T.	.87		.03	.19		1.25			.70	.18	.39			.95	1.38	T.	.27	.11	.10	T.	.09	.01		T.	.25	.09	T.			6.86
Benson	West Fork		.32	.33		.44		.10	.52			.60	.20				2.00		.05		.06		.06	.02			.62	.40	.05				5.77
Bens Run	Ohio		.05		.02	.41		.07			.33	.09	.91				1.13	.03		.80			.04		.81	.57	.12	.86					6.24
Brownsville	West Fork		.06	.47	.32	.42		.02	.71			.11	.74				2.45	.61	.15	1.58	.10	.11	.40	.12			.43	.45	.40				9.65
Buckhannon	Tygart		1.67			.30		.95	.44		.10	.34	1.04	.05			.95		.12	.43	T.	.19	T.	T.	.06	T.	.06	.41	T.				7.11
Cairo	Litl.Kanawha		.09					.36	.27			1.23		.05				.67	.18		.24				2.10			1.28					6.47
Clarksburg[1]	West Fork			.48		.14			1.60			.48	.07	.18			.05	.63		.37	.35		.05	.06	.05			.69					5.20
Crawford	do		.89	.32	.20			.91	.57		.58	.47	.42				1.13		.34	.22	.11	.01	.01				.03	.15					6.36
Creston[1]	Litl.Kanawha		.30		.16			.16			.35	.06	.09			.64		.34	.15	.10	.06	T.	T.	.93			1.47						4.81
Dam 10, Mon. R.[1]	Monongahela			.44		.07			.92			1.63	.54	.15			.02	.90	.02	.44			T.	.01	.01		.35	.54	.04				6.08
Dam 13, O. R.[1]	Ohio			.07		.08						.15	1.22	.31			.07	.56	T.					.89			.07	1.68					5.10
Dam 15, Mon. R.[1]	Monongahela			.35		.04			.52			.75	.16	.66			T.	1.60		.16			T.	T.	.18		.08	1.10	T.				5.60
Dam 19, O. R.[1]	Ohio					.10			.10		T.	.35	.08	.02				1.23	.01	.22	.49			.18	.26		.03	3.40	T.				6.47
Dam 20, O. R.[1]	do			.02		.02			.15	T.		.56	.01	.20				.58	.25	.04	.25			.11	.40	T.	T.	2.40	T.				4.99
Elizabeth(D'm 3 LK[1]	Litl.Kanawha		.04		.04			.31			1.59	.17	.04				.70	.88	.49	.08	.06			2.70			1.70						8.80
Elkins[2]	Tygart		.68		T.	.23		67	.04		.33	.06	.63	T.			1.78	.04	.41	.16	.24	.04	.14	T.	.22	T.	T.	.07	.03				5.77
Fairmont[1]	Monongahela		.29		.07			.60			.74	.16	.56			.10	.94		.06			T.	.02	.59		.11	.99	.03					5.26
Glenville[1]	Litl.Kanawha		.03	1.01		.35			2.02			.39	.07	.55				.67	.32	.33	.04	.12		.04	.22			.46	.05				6.67
Grafton	Tygart			.53		.24		.26	.58			.51	.49	.14				1.26	.78	.01				.03	.02		.40	.69	.03				5.97
Hackers Creek	West Fork		.36	.83		.31		2.03	.23		.01	1.03	.67				1.08	.01	.11	.05	.01	.11			.01		.27	.53	.03				7.68
Hastings	Ohio		.02	.48		.05		.34	.24			.58	.56				1.29		.01	.06			.05	.01	.14	.24	.01	.98					5.06
Horner	West Fork		1.00	.30		.40			.91			.30	1.45				1.80		.10	.82	.05	.15	.07				.25	.55	.10				8.25
Ireland	do		.71	.29	.21			.37				.92	.28				1.09		1.17	.05	.10		.05					.32					5.56
Jackson's Mill	do		.62	.32		.30		1.30	.18		.40		.88				1.42		.30	.24							.13	.43					6.52
Jane Lew	do		.70	.49		.30		1.20	.27		T.	.68	.85	.02			.92	T	.22	.12	.01	T.	.05		.03		.35	.34	T.				6.55
Lost Creek	do		.26	.75		.24		2.12	.16		.04	.92	.67				.46	T.	.06	.04	T.		.14			T	.62	.45	T.				6.93
Mannington	Monongahela		.28	.01		.08		.48	.28		.25	.17	.34				1.25		.02	.06			.21	.02	.36	.32	.45	.57	.02				5.17
Morgantown	do		.33	.10		.06		.58	.17	*	1.50	.32	.50				1.26	T.	.02	.02			T.		T.	.28	.18	.42					5.74
New Cumberland	Ohio		.06			.05		.12			.20	.23	3.69				.63	.02						.15	.14	.20	.65	1.26					7.40
New Martinsville	do		.40					.18			.11	.10	.40				.84						.95		.60	.50	.20	.55					4.83
Parkersburg[2]	do		.01			.29		.10			.41	.16	.02				.53	.08	.05	.10	T.		.01	.74	.35	T.	1.08	.77					4.70
Parsons	Cheat		.35					1.00			.05	T.					2.31		.34		.23	.04	.05	T.			.20	.17					4.74
Philippi[1]	Tygart			.78		.30			1.50			.33	.08	.70			1.70	.98	.29	.05	.39	.03	.02	.02	.15	.04		.34	.09				7.79
Pickens	do		1.15	.05		.12		.71	.05		.80	1.58					1.25	.28	.39		.05		.10	.05	.58			.53					7.69
Roanoke	West Fork		.11	.71		.18			.02	.03	.60		1.01				1.00	.30		.12			.05	.19			.75	.69	.06				5.82
Rockford	do		.46	.55		.21		.28	1.18			.22	1.26				.54		.06	.15			.12	.07			.58	.50					6.18
Rowlesburg	Cheat			.46		.21			.54			.49	.02	.92				.97	.09	.29	.06		.02	.01	.02		.09	.45	.10				4.74
Saint Marys[1]	Ohio					.08				.02		.41	.12	.21			.03	.83	.07	.42				.10	3.35	.07	.04	1.30	.02				7.07
Terra Alta[1]	Cheat			.80					.40					.80					1.00				.20					.70	.40	T.			4.30
Thomas[1]	do			.25		.75	.03		.58			.60	.09	.72			T.	1.46		.58	.22	.05	.08	T.				.15	.13	.02			5.71
Valley Chapel	West Fork		.38	.39		.45		2.05	.52			.80	.49				1.85	.02	.23	.25	.08		.04	T.	T.		.30	.31	.03	T.			8.19
Vandalia	do		.97	.42		.27		.95	.35		.76		1.63				2.62		.47		.43	.28	.06				.34						9.55
Wellsburg	Ohio		.08			.22		.45			.23	T.	1.74				1.23	T.	T.				T.	.80	T.	.19	.98	1.05					6.97
West Milford	West Fork			.83		.10		1.68	.32			.70	.78				.75		.19	.14		.09	.11					.53	.34				6.56
Weston[1]	do			1.25		.05	.26		1.00			.92	.02	1.02				3.17	.09	.26	.12	.25	T.	.07				.59	.12				9.19
Wheeling (Dam 12)[1]	Ohio			.15		.25	T.		.08			.22	1.43	.32			.07	1.43	.01					.85	.04		.54	1.15					6.54
Southern Division																																	
Arbovale[1]	Greenbrier		.47			.13		.33			.50		.70				1.34		.18	T.	.81	T.	.10		.17	.03	.10	.24					5.10
Bancroft	Gr. Kanawha	.11	.72		.05			.87			.28		.08				.95	.04	.29	.12			.06				.76	.04					4.37
Beckley	New		.18			.04		.35			.21		.61	.55			.46	.91	.40	.07	1.24	.30	.45	.04		.13	.10	.60	.09				6.73
Bluefield	do		.05	.19					.32		.08	.11		.04			.77	.60	.05		1.42	.03	.09					.47	.02				4.24
Camden-on-Gauley[1]	Gauley		.04	.62		.02			.65			.08		.72				.50	.14	.55	.14	.29	.36	.01	.35			.11	.04				4.42
Charleston[1]	Gr. Kanawha		.04	.59		.13			.52			.05		.16			.05	.74	.06	.30	.12	.06		.02			.02	.32	.02				3.20
Clay[1]	Elk		.12	.30		.02			.35			.73		.64			T.	1.89	.12	.24	.05	.08	T.	.01	.01	T.	.02	.43	.01	T.			5.02
Flat Top	New		T.	.25			.02		.40			.20	.02	.37			.20	.44	.33	.41	1.46	.04	.12	T.			.28	.32	.08				4.94
Gary[1]	Big Sandy		.02	.64					.34					.16			.36	.76	.55	.58	1.70	.01	.06	.01			.18	.33	.01				5.71
Greenbottom[1]	Ohio		.09	.68		.05			.67			1.41		.49				.12	.09	.36	.13			.45				1.62	.02				6.18
Hinton[1]	New			.14			T		.40			.42		.58			T.	.55	.30	.45	1.24	.30	.05	T.		T.	.16	.24					4.83
Hogsett[1]	Ohio		.01	.48		.08			.73			1.05	.07	.08				.34	.82	.51	.05	T.		.55			T.	1.08					5.85
Huntington	do		.60		T.	.39		.71			1.31	.06	.04				T.	.07	.65	.07				.09		.05	T.	1.72					5.76
Institute	Gr. Kanawha		.12	.51		.06			.73	T.		.26		.27			.02	.96	T.	.34	.10	.01	T.	.04			T.	.46	T.				3.88
Kanawha Falls[1]	do		T.	.50		.15			1.06			.14	T.	1.15			T.	.15	.60	1.20	.60	.15	.10					.25	T.				6.05
Lewisburg	Greenbrier		.37	.05		T.			.50		.22	.26	.24	.02			.66	.92	.33	.07	1.43	.43	.04	.04	.02	.28	.77	.07	T.				6.72
Logan[1]	Guyandot		T.	.61		T.			.35			.01	T.	.15			.17	.68	.45	1.42	1.03	.36	.10	.14			.40	.71	T.				6.58
London Locks[1]	Gr. Kanawha		.05	.53		.15			.56			.06		1.42			T.	.13	.39	.61	.33	.03	T.	T.			T.	.59					4.85
Madison[1]	Coal			.75					.27			.34		1.28				.87	1.19	.68	.62	.14			.03		.69	.59	.02				7.47
Marlinton	Greenbrier		.25	.05					.21		.08		.30	.06				.98		.15	.95	.10	.18		.53	.11	.57						4.52
Point Pleasant[1]	Ohio		T.	.32		.06			.70			1.48	.32	.07			.02	.04	.48	.30				.15			.08	1.34	.03				5.39
Rainelle	Gauley		.28			.10			1.00			.36	.53	.26			.78	.32	.70	05	1.43	.22	.24	.01	.13	.01	T.	.39	.01				6.82
Ravenswood (Dam 22	Ohio			.38		.37			.25			1.18	.28	.07				1.79	.25	.22	T.	T.		.08	.40			1.37	.05				6.69
Richwood[1]	Gauley	.04	.40	.02	.02			.48			.20		1.22			.04	.44	.28	.79	.47	.70	.10		.25		.09	.17	.04	.02				5.77
Robertsburg[1]	Gr. Kanawha		.13	.63		.11			.22			.81	.21	.15				1.19	.57	.28	.02			.32				.87	.04				5.55
Ryan	do		.69			.07		.35			.21		.45				.79	.02	.60	.11		.02			.15		.19	.30					3.95
Sharples[1]	Coal			1.02			.20				.30					*	*	*	*	*	*	*	3.85			.35							5.72
Spencer[1]	Litl.Kanawha		.05	.29		.10			.24			.42	.05	.10			.64		.10	.41		.05		.02	63		T.	1.14	.04				4.28
Summersville[1]	Gauley					.01			.45			.10		.76				.82	.25	.93	.25	.48	.38		.11	.05		.18	.02				4.79
Sutton	Elk		.55			.10			1.45			.80	1.35					.15	.40	.10		.15						.25					5.30
Thornwood[1]	Greenbrier		.12			.07			.42		.29		.36			.44	1.75	.02	.30	.01	.51	.18			.70		.85						6.02
Union	New		.27	.45			.06		.26			.08		.37			.42	.75	.55		1.55	.68	.16	.04	.10	.50		.25					6.49
Wayne[1]	Twelvepole		.05	.10		.03			.45			1.14		.06				.07	.26	1.17	.12			.25			.30	1.93					5.93
White Sulp'r Spgs.[1]	Greenbrier		.50					.50			.10		.30				.55	.40	.20	.90	.80	.75	.20			.10	.20	.10					5.60
Williamson[1]	Big Sandy		.02	.43					.46			.03		.53			.04	.44	.58	.41	1.20	.45	.01	T.			.60	.86					6.06
Winfield Locks	Gr. Kanawha		.05	1.02		.02			.70			.06	.01	.05					.01	.32	.11			.13			T.	.90	.02				3.40

Supplemental Rainfall Data—Totals: Elk.. 6.22 Midvale.. 3.42 Mt. Clare.. 4.94 Parsons No.2.. 5.14 Salem.. 6.53 Shinnston.. 5.19 Valley Head.. 5.61

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for June 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	75	73	71	75	70	80	70	71	71	79	80	80	67	70	78	68	74	73	75	70	77	75	78	82	84	83	70	72	73	78	....	74.7
	Minimum	28	40	44	36	42	39	45	38	43	48	49	60	48	34	36	36	44	48	58	55	50	51	49	48	53	58	69	50	34	35	....	45.3
Brandywine	Maximum	78	75	76	82	78	85	90	85	82	80	91	88	85	80	82	83	84	82	81	78	76	80	84	88	87	86	85	80	76	80	....	82.2
	Minimum	35	50	56	50	52	44	58	54	44	54	53	54	48	43	44	48	50	56	57	60	58	57	56	54	57	60	62	56	47	50	....	52.2
Kearneysville	Maximum	72	76	77	81	79	82	90	79	80	79	90	91	75	80	83	76	77	84	85	78	84	86	87	91	91	92	79	73	79	82	....	81.9
	Minimum	38	47	56	56	59	47	62	60	52	56	67	66	54	52	50	57	56	62	65	62	62	65	60	61	65	71	63	63	51	50	....	57.8
Martinsburg[1]	Maximum	78	80	80	83	83	87	93	85	87	82	97	95	85	82	87	89	85	87	85	85	89	90	96	96	96	95	78	75	73	86	....	86.0
	Minimum	40	49	58	59	60	48	60	60	53	60	62	70	55	50	52	57	62	60	67	63	65	65	63	66	65	71	64	58	55	53	....	59.0
McNeill	Maximum	79	75	77	83	77	89	89	87	80	81	83	89	78	75	85	84	83	87	85	77	79	85	83	90	91	90	71	70	79	82	....	82.1
	Minimum	32	47	51	74	46	41	41	53	42	51	63	61	46	45	42	40	53	57	60	61	56	60	56	53	57	63	62	57	40	40	....	51.7
Piedmont	Maximum	74	76	77	79	77	84	87	72	80	81	88	78	73	78	81	62	81	80	75	71	83	80	82	88	87	85	68	76	78	77	....	78.6
	Minimum	39	49	49	48	59	46	51	54	58	61	66	69	55	46	48	50	56	61	65	61	59	63	61	58	62	68	64	58	46	48	....	55.6
Romney	Maximum	76	70	73	79	80	87	88	75	79	78	90	87	67	77	76	71	80	77	80	79	82	83	85	89	93	93	72	70	81	79	....	79.9
	Minimum	38	49	54	49	58	46	52	55	47	55	66	64	52	45	46	50	58	62	64	62	59	60	62	58	61	61	66	59	44	47	....	55.0
Wardensville	Maximum	76	75	76	89	76	82	88	81	78	80	90	88	79	77	80	72	83	78	83	71	79	81	78	89	89	88	81	71	78	79	....	80.2
	Minimum	55	48	53	51	55	44	51	58	45	51	62	62	55	43	42	48	52	58	62	61	59	54	58	58	58	66	64	57	45	44	....	54.0
Northern Division																																	
Bens Run	Maximum	83	74	82	80	79	85	85	79	85	88	88	84	78	85	87	81	80	82	80	78	85	82	86	88	87	87	70	77	82	82	....	82.3
	Minimum	53	62	59	53	58	53	59	55	52	59	68	65	54	52	54	61	59	63	65	61	64	63	62	63	65	68	58	58	51	55	....	59.1
Buckhannon	Maximum	76	72	70	74	72	80	83	75	78	83	84	75	75	75	78	78	78	75	75	71	77	75	74	86	84	83	72	70	73	77	....	76.5
	Minimum	46	60	60	48	60	62	57	58	50	58	68	68	55	50	50	58	56	67	65	63	63	63	61	62	62	69	60	58	50	46	....	58.4
Clarksburg[1]	Maximum	85	72	75	78	77	84	86	75	82	88	89	83	72	80	86	73	81	77	82	75	80	71	83	87	86	86	62	74	77	85	....	79.6
	Minimum	44	59	56	47	57	42	54	56	49	53	61	65	50	49	48	52	54	61	66	61	60	60	58	62	61	68	60	58	46	49	....	55.5
Creston	Maximum	86	85	73	74	74	84	70	74	84	77	84	75	75	78	80	81	67	75	74	77	86	81	84	89	86	79	70	79	79	79	....	78.6
	Minimum	50	43	45	45	55	59	52	53	49	53	49	51	50	46	47	56	55	60	64	60	62	61	60	64	61	67	56	45	42	49	....	53.6
Elkins	Maximum	82	73	70	74	71	82	83	70	79	81	84	80	67	75	80	70	76	72	76	68	77	70	79	80	84	84	69	68	72	78	....	75.8
	Minimum	41	57	51	45	53	45	51	51	47	52	66	58	47	46	46	49	51	61	61	60	58	58	57	57	58	66	56	52	47	46	....	53.1
Fairmont	Maximum	87	73	77	79	78	87	87	77	82	89	90	84	75	80	86	69	77	83	82	75	85	70	84	89	85	86	75	75	79	84	....	81.0
	Minimum	45	61	58	48	58	49	56	55	48	56	67	66	50	51	51	55	56	62	66	59	61	63	61	63	64	71	67	57	48	51	....	57.4
Glenville	Maximum	84	85	89	81	80	86	86	79	83	82	86	85	75	82	86	85	82	81	79	74	81	80	85	87	86	82	77	73	81	80	....	82.1
	Minimum	48	63	58	50	58	49	46	54	50	55	65	66	52	50	50	58	57	62	66	62	61	63	60	65	62	69	58	59	48	52	..	57.2
Grafton	Maximum	82	86	76	78	78	79	86	82	82	86	88	87	78	79	83	84	76	80	79	80	85	82	81	84	89	85	73	75	77	82	....	81.4
	Minimum	42	56	55	46	56	45	51	55	46	54	67	63	48	46	48	51	53	61	64	59	58	61	59	58	59	70	58	56	45	49	....	54.6
Lost Creek	Maximum	83	75	77	75	75	82	84	74	80	87	85	81	73	81	83	81	81	75	81	75	80	72	83	85	85	85	71	73	77	80	....	79.3
	Minimum	43	61	55	47	57	46	55	54	46	52	67	65	48	46	48	53	54	62	65	61	60	59	59	61	61	68	60	58	44	46	....	55.3
Mannington	Maximum	78	77	74	75	74	80	82	72	75	83	84	82	70	75	79	76	74	77	76	75	80	75	78	82	82	82	70	71	74	77	....	77.0
	Minimum	42	57	57	46	54	44	52	54	45	52	66	62	47	46	46	52	54	60	64	56	59	59	58	61	61	70	58	58	45	49	....	54.5
Morgantown	Maximum	85	74	76	78	79	86	85	76	79	88	80	80	75	81	80	75	75	79	77	77	78	76	79	82	83	84	76	73	78	80	....	79.1
	Minimum	44	64	57	49	58	48	63	57	50	55	60	66	48	51	50	51	55	60	62	50	59	60	59	62	62	66	55	55	50	52	....	55.9
New Cumberland	Maximum	79	78	77	77	75	80	78	74	79	78	85	79	81	80	84	83	75	79	74	81	86	83	88	91	80	79	68	72	76	79	....	79.3
	Minimum	44	62	54	50	52	49	62	51	46	59	60	61	50	49	53	57	60	58	55	55	60	62	61	64	67	62	54	57	49	52	....	56.0
New Martinsville	Maximum	82	74	80	79	80	84	82	76	80	85	85	80	74	87	86	77	75	82	82	80	85	82	87	87	80	84	70	76	80	81	....	80.7
	Minimum	45	58	55	48	55	51	58	54	46	55	65	63	50	48	51	54	58	57	61	51	61	58	58	68	64	67	60	56	48	50	....	55.8
Parkersburg	Maximum	80	74	77	78	77	83	82	76	79	86	88	83	74	79	86	82	79	81	75	76	84	79	88	87	83	85	69	74	76	80	....	80.0
	Minimum	58	62	58	52	58	53	60	57	50	62	68	61	54	53	52	63	58	64	68	61	63	64	64	66	70	68	57	58	54	54	....	59.7
Parsons	Maximum	84	75	60	62	60	65	86	64	64	83	88	80	82	83	87	65	80	71	80	66	81	75	84	88	88	74	70	73	75	80	....	75.8
	Minimum	40	56	55	47	45	46	48	45	49	55	65	58	55	47	52	55	58	63	63	61	59	60	58	68	61	60	57	57	62	48	....	55.1
Pickens	Maximum	80	70	67	75	76	78	77	71	76	80	80	69	72	68	74	67	72	71	65	64	70	68	76	79	80	82	74	68	69	75	....	73.1
	Minimum	48	53	45	40	48	42	45	50	43	53	59	42	40	44	50	41	48	46	45	54	51	53	50	54	54	62	50	51	38	42	....	48.0
Wellsburg	Maximum	83	82	80	79	77	84	81	77	83	83	86	80	76	81	87	72	75	82	82	82	89	82	88	88	83	81	65	76	80	83	....	80.9
	Minimum	40	55	55	45	54	42	53	47	41	53	65	62	47	44	47	54	52	53	52	50	56	57	55	58	63	62	54	54	43	46	....	52.0
Weston	Maximum	87	86	76	78	79	88	87	78	80	89	90	89	76	82	87	86	82	79	78	76	80	79	85	89	85	84	75	76	79	85	....	82.4
	Minimum	45	64	58	51	58	49	57	57	50	55	68	67	51	50	50	56	56	64	64	62	61	62	59	62	63	70	65	59	47	50	....	57.7
Wheeling	Maximum	80	72	80	77	78	83	80	77	85	82	85	80	74	79	85	72	76	81	81	81	87	79	85	85	82	83	65	75	78	80	....	79.5
	Minimum	47	61	56	52	56	51	60	54	47	57	67	66	57	50	51	58	61	61	58	57	62	62	59	66	71	70	56	57	49	53	....	57.7
Southern Division																																	
Beckley	Maximum	75	71	75	75	74	82	82	73	79	84	85	79	71	78	81	77	79	76	73	69	66	73	81	83	81	83	75	67	73	74	....	76.5
	Minimum	44	54	51	40	54	43	56	53	45	61	59	59	49	40	45	43	53	56	56	54	55	55	52	57	56	61	54	51	40	44	....	51.3
Bluefield	Maximum	74	72	74	76	83	83	[illegible]	86	78	82	83	86	86	79	81	84	85	74	85	77	76	73	80	83	83	84	82	68	77	76	....	79.9
	Minimum	48	57	53	48	52	50	73	64	62	69	66	63	59	64	70	66	67	67	61	64	61	60	65	68	68	64	61	56	59	60	....	61.5
Charleston	Maximum	83	72	80	80	81	88	82	79	82	83	91	84	83	81	88	86	86	86	80	74	78	81	75	88	85	90	76	75	79	83	....	82.2
	Minimum	57	64	68	52	59	52	59	52	55	63	63	74	57	54	54	59	62	64	64	66	64	66	64	64	67	75	62	60	53	55	....	60.9
Gary[1]	Maximum	81	71	77	80	79	86	87	76	83	87	87	84	79	80	84	82	82	79	76	75	70	71	83	86	84	87	72	69	76	81	....	79.8
	Minimum	48	59	58	50	56	51	52	59	52	57	62	62	59	48	48	57	59	62	61	64	59	61	60	60	61	64	67	58	53	50	....	57.2
Hinton[1]	Maximum	87	74	82	83	83	94	94	83	88	90	95	86	78	86	90	86	85	85	76	74	73	78	87	84	84	90	75	75	81	86	....	83.7
	Minimum	44	50	57	49	52	51	52	58	52	56	63	63	54	51	51	53	56	59	61	63	59	60	59	60	62	64	66	58	52	52	....	56.2
Huntington	Maximum	81	76	82	81	81	85	85	80	81	88	89	87	80	81	89	87	85	76	74	79	78	83	90	89	84	89	81	76	79	82	....	82.6
	Minimum	61	66	57	53	66	54	60	58	56	66	67	67	59	54	55	66	64	66	65	66	66	65	65	68	69	71	59	60	53	56	....	61.9
Lewisburg	Maximum	72	70	71	74	74	78	81	77	75	[illegible]	82	80	71	74	77	74	76	74	72	67	67	70	77	75	79	80	71	69	73	74	....	74.3
	Minimum	45	55	56	50	59	48	57	59	51	63	64	65	56	47	52	56	54	59	61	63	59	59	60	61	60	64	63	58	50	52	....	56.9
Madison	Maximum	80	82	73	79	81	79	86	88	78	84	88	89	90	76	80	86	84	84	79	75	77	75	76	87	88	85	88	66	72	78	....	81.1
	Minimum	55	61	58	50	59	50	55	58	52	59	63	74	59	51	51	60	59	63	62	65	62	60	66	62	63	66	61	49	52	52	....	58.6
Marlinton	Maximum	78	70	72	76	75	81	84	77	78	83	85	85	71	77	77	80	78	66	75	69	73	72	79	77	82	82	70	74	80	77	....	76.8
	Minimum	38	52	53	48	51	42	49	55	44	55	62	59	49	44	43	44	48	58	58	60	56	53	56	57	58	60	57	44	48	45	....	51.5
Point Pleasant	Maximum	81	79	80	79	81	86	82	78	81	85	88	81	79	81	85	83	85	80	77	78	80	81	87	88	86	88	74	77	81	81	....	81.7
	Minimum	57	66	56	53	60	53	59	56	53	61	67	66	57	52	53	64	62	64	65	64	64	63	63	68	68	69	58	59	52	54	....	60.2
Rainelle	Maximum	72	72	65	74	70	75	75	69	68	75	78	78	68	74	74	68	80	68	66	66	64	64	76	81	82	84	75	61	73	70	....	72.2
	Minimum	39	50	54	39	49	41	39	52	42	58	59	56	48	42	42	50	50	56	56	58	56	57	54	54	57	57	55	54	48	43	....	50.5
Ravenswood	Maximum	79	79	78	80	77	83	85	77	79	84	83	82	82	81	81	87	82	78	77	77	79	78	86	86	86	84	74	75	79	80	....	80.6
	Minimum	57	62	57	49	58	51	58	53	49	61	68	69	52	49	50	61	57	64	67	63	62	62	63	67	68	69	57	57	51	51	....	58.7
Richwood	Maximum	80	74	72	75	74	84	82	80	82	83	85	80	71	77	81	78	80	73	74	68	70	69	75	80	85	83	69	67	72	78	....	76.7
	Minimum	53	52	42	50	49	52	51	46	49	63	64	50	44	46	51	55	59	51	60	56	58	56	59	56	59	66	55	45	47	58	....	53.4
Robertsburg[1]	Maximum	83	77	83	81	78	86	83	77	86	90	91	82	82	84	88	84	82	78	75	80	82	78	89	89	85	90	65	72	78	84		82.1
	Minimum	57	64	58	51	58	52	58	56	53	61	66	65	57	51	51	59	61	64	65	65	65	64	63	65	67	69	58	58	50	52		59.4
Ryan	Maximum	80	70	75	76	76	80	85	75	78	80	85	80	75	77	80	80	75	75	75	80	80	75	85	80	80	85	70	75	73	80	....	78.0
	Minimum	48	58	57	46	55	43	52	54	49	56	63	63	50	46	43	56	55	55	64	63	62	62	62	61	63	63	61	56	46	55	....	55.6
Spencer[1]	Maximum	82	72	79	79	79	84	86	77	80	89	89	92	77	80	80	82	82	76	77	77	80	77	87	87	83	87	62	74	77	81	....	80.5
	Minimum	54	62	59	48	57	50	56	55	49	54	67	66	52	48	49	58	61	63	66	64	62	64	63	65	61	69	60	57	48	50	....	57.9
Sutton	Maximum	83	83	77	77	77	88	88	83	85	90	90	90	85	80	86	86	78	77	75	74	78	78	85	87	87	84	84	73	76	83	....	82.2
	Minimum	45	61	56	46	56	48	51	56	47	54	64	63	51	48	48	55	61	55	58	61	60	60	58	62	59	63	58	58	48	48	....	55.3
Union	Maximum	75	75	72	75	75	79	81	81	77	81	83	83	83	76	80	81	80	73	72	69	66	73	77	79	81	83	81	67	75	76	....	77.0
	Minimum	43	51	54	43	55	44	52	56	48	62	61	62	52	42	46	55	52	54	58	60	57	56	55	56	57	63	63	56	43	47	....	53.4
White Sulphur Spgs.	Maximum	78	71	72	79	77	83	95	83	83	88	91	86	74	81	84	81	79	80	78	73	70	80	84	82	88	88	82	73	79	82	....	80.8
	Minimum	39	46	53	52	50	46	50	58	46	57	60	58	52	45	40	50	52	50	56	62	58	58	57	57	59	61	63	52	45	47	....	52.6
Williamson[1]	Maximum	82	73	80	81	82	89	90	78	84	88	91	82	77	81	86	84	84	81	76	79	80	75	88	90	85	89	77	75	80	83	..	82.3
	Minimum	56	62	60	53	57	54	57	62	55	60	64	65	61	53	54	63	62	64	64	65	62	63	62	63	67	68	64	60	54	55	....	60.3

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.109	.197	.168	.167	.177	217	.225	.209	.222	.191	.101	.230	.180	.089	.095	.333	.157	081	.069	.146	.089	.104	.016	.124	.167	.135	.117	.040	.165	.197	....	4.517
	Wind movement	22	25	16	15	28	47	33	33	46	9	18	35	50	35	14	24	23	3	5	18	17	10	8	9	21	32	28	24	41	21	....	710

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 8-8-38—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

40

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., JULY 1938 No. 7

GENERAL SUMMARY

Rainfall was considerably deficient in the northern Ohio Valley Counties and somewhat deficient thence southeastward into Pocahontas County, while the remainder of the State was unusually wet, with a marked excess in Tucker and Preston Counties and the basins of the Kanawha and its tributaries. Heavy local showers were frequent, particularly during the second half of the month, causing considerable flooding of lowlands along creeks and of city streets. Noteworthy instances were: 9th, Parkersburg, many streets inundated, with much minor damage, mainly from mud and debris, to streets and cellars. 19th, Stonecoal Creek, Raleigh County, overflowed, inundating East Gulf, Killarney and Mead, and suspended operations temporarily at two coal mines. 20th, Henry's Fork, Roane County, went out of its banks and caused a two-story building to collapse, and swept away several small buildings at Tariff and Linden; three sections of B&O track between Buckhannon and Weston were washed out. 21st, Bluefield's streets ran curbfull, damaging thorofares that were being paved. 22d, Charleston's streets were flooded, damaging several business houses and homes; many small spans on secondary roads were washed out in Roane and Cabell Counties. 23d, Stonecoal Creek again overflowed and about 1,000 persons were driven from their homes in small communities along this creek as well as Besoco and Tommy Creeks, with the entire town of Rhodell flooded to a depth of three feet; two highway bridges were damaged and a number of small foot bridges were washed out; landslides blocked the Virginian Railway between East Gulf and Besoco and U. S. Route 19 near Ireland, Lewis County: three bridges over State Route 36 were weakened.

Temperature was above normal except in central and southern sections where it was slightly below normal. The wet weather retarded farm work, except in the dry areas and damaged grain and forage crops at harvest time. Corn made good progress, but was badly in need of cultivation. Potatoes showed blight and ground rot in the wet districts.

TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 73.6°, or 0.4° above the normal. The mean for the northeastern panhandle division was 73.8°; for the northern division, 73.5°; and for the southern division, 73.5°. The highest monthly mean was 78.0° at Martinsburg and the lowest, 66.4° at Bayard. The highest temperature was 103° at Inwood on the 11th and the lowest, 37° at Bayard on the 5th. The greatest daily range was 45° at Bayard on the 8th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 5.58 inches, or 0.99 inch above normal. In the northeastern panhandle division the average was 5.09 inches; in the northern division, 5.00 inches; and in the southern division 6.65 inches. The greatest monthly precipitation was 11.50 inches at Rowlesburg and the least, 1.16 inches at Dam 13, O. R. (McMechen). The greatest amount in any 24 consecutive hours was 3.31 inches at Rowlesburg on the 22-23d. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense			4	1	7	10	9	3		5	3	3	9	1	1	9	9	2	7	4	5	5		6	8	8	6	2	2	4	
Gales															1											1					
Hail												1									1	1									
Halos, lunar																															
Halos, solar																			1	1								1			
Sleet																															
Thunderstorms	2	3	1					1	13	3	5	13	9	6	4		5	6	2	7	10	7	7		3	3	7	4	12	4	2

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.98	30.11	10	29.78	14	5.4	21	nw.	2	88	62	66	70
Columbus, Ohio	29.96	30.11	10	29.79	14	7.2	27	nw.	27	82	54	57	68
Elkins	30.01	30.15	10	29.79	14	4.5	21	sw.	17	93	58	74	61
Parkersburg	29.98	30.12	10	29.79	14	4.9	25	nw.	13	88	59	66	66
Pittsburgh, Pa	29.98	30.12	30	29.78	14	7.9	22	sw.	1	83	54	58	65
Wytheville, Va	30.03	30.16	10	29.84	3	4.8	16	sw.	31	89	65	74	41

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**			5.08	6.57	3.50	5.59	0.0				
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9			
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
Period	73.2	112	31	3.77	4.69	4.58	4.59	.0	10	15	10	6

Climatological Data for July 1938

				Temperature, in degrees Fahr.							Precipitation, in inches				Number of days					
STATIONS	COUNTIES	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation 0.01 in or more	Clear	Partly cloudy	Cloudy	Prevailing direction of wind	OBSERVERS
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	66.4	−1.2	88	†7	37	5	45	7.73	+3.49	1.35	0.0	15	21	4	6	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	72.6	+1.3	93	11	47	5	39	5.30	+1.73	1.15	.0	12	18	1	12	sw.	E. L. Keister
Harpers Ferry	Jefferson	244	49	....	....	....	....	....	....	....	4.75	+1.25	1.22	.0	14	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	6	76.4	....	103	11	50	5	42	4.42	....	.99	.0	11	11	16	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	8	75.8	....	98	11	49	5	35	2.93	....	.89	.0	13	10	20	1	s.	University Exp. Station
Martinsburg	Berkeley	435	46	78.0	+2.3	101	11	53	5	37	5.46	+1.84	1.10	.0	12	21	10	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	71.9	+.3	95	†8	43	5	43	5.60	+2.57	1.82	.0	11	12	15	4	sw.	R. E Saville
Piedmont	Mineral	1,053	25	74 4	+2.1	93	11	49	5	37	3.88	+.40	1.69	.0	12	9	15	7	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	75.4	+.5	97	†8	47	5	38	6.63	+3.15	1.33	.0	15	15	11	5	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	....	....	....	....	....	....	....	7.87	....	1.93	.0	17	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	18	....	....	....	....	....	....	....	3.18	−.96	.70	.0	12	4	10	17	w.	A. C. Becker
Wardensville	Hardy	1,200	17	73.6	+3.0	95	11	45	5	39	3.34	+.24	1.06	.0	12	8	19	4	....	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	....	....	....	....	....	....	....	5.49	+.70	.99	.0	15	5	17	9	w.	L. Else Bond
Alma (near)	Tyler	800	11	....	....	....	....	....	....	....	2.51	−1.58	1.14	.0	15	10	9	12	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	67.4	....	88	8	43	4	38	8.02	....	1.18	.0	18	12	11	8	w.	Christian Hertig
Benson	Harrison	1,080	14	72.8	+.3	93	†8	47	4	37	3.86	−1.29	1.25	.0	15	11	13	7	....	R. D. Marts
Bens Run	Tyler	652	36	77.1	+2.0	95	†8	57	5	32	1.18	−3.35	.36	.0	9	21	7	3	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	74.4	+.6	93	†8	50	4	35	8.96	+4.16	2.35	.0	14	8	13	10	....	M. W. Hawkins
Buckhannon	Upshur	1,411	41	72.2	+.4	87	8	53	4	28	8.47	+3.75	2.60	.0	17	11	13	7	....	H. A. Darnall
Cairo	Ritchie	680	37	74 0	−.3	92	†9	50	5	35	4.08	−.34	1.55	.0	6	13	9	9	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	73.8	.0	93	†7	51	5	36	4.08	.00	1.22	.0	13	8	15	8	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	....	....	....	....	....	....	....	6.82	+1.68	.82	.0	17	13	11	7	sw.	George W. Blair
Creston	Wirt	640	36	73.3	−1.4	96	†8	50	5	41	3.36	−.86	.91	.0	12	16	9	6	....	J. L. Ledsome
Dam 10 Mon. R.	Monongalia	826	17	....	....	....	....	....	....	....	3.54	−.54	1.15	.0	14	....	....	....	....	Lockmaster
Dam 13 O. R.	Ohio	655	22	....	....	....	....	....	....	....	1.16	−3.20	.28	.0	10	....	....	....	....	Lockmaster
Dam 15 Mon. R.	Marion	882	17	....	....	....	....	....	....	....	5.51	+1.58	1.25	.0	11	....	....	....	....	Lockmaster
Dam 19 O. R.	Wood	600	22	....	....	....	....	....	....	....	1.86	−2.07	.60	.0	10	....	....	....	....	Lockmaster
Dam 20 O. R.	Wood	600	22	....	....	....	....	....	....	....	4.15	+.22	1.47	.0	9	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	26	....	....	....	....	....	....	....	4.63	+.23	1.60	.0	10	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	37	70.7	+.4	89	8	50	4	32	6.09	+.71	1.25	.0	18	6	13	12	se.	U S. Weather Bureau
Fairmont	Marion	883	32	75.5	+1.2	95	8	52	5	33	4.35	−.05	1.32	.0	11	20	4	7	w.	J. C. Robinson
Glenville	Gilmer	738	44	75.0	−.3	95	7	53	†4	34	5.09	+.22	1.32	.0	15	12	11	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	74.0	+1.4	94	9	50	†4	37	6.49	+2.41	1.63	.0	14	15	8	8	....	L. W. Clayton
Hastings	Wetzel	809	3	....	....	....	....	....	....	....	3.04	....	.82	.0	15	10	18	3	sw.	L. G. McIntyre
Horner	Lewis	1,044	15	....	....	....	....	....	....	....	8.69	+3.89	2.95	.0	17	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	15	....	....	....	....	....	....	....	3.56	−1.38	.56	.0	15	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	73.0	+.8	91	†7	49	5	36	3.46	−.87	.73	.0	17	12	8	11	sw.	Allen Smith
Mannington	Marion	974	35	71.7	−.1	87	†8	48	5	31	5.01	+.22	1.38	.0	15	14	9	8	sw.	Jas. A. Morgan
Morgantown	Monongalia	1,300	45	74.6	+1.1	92	†7	52	5	37	4.20	−.18	1.20	.0	10	18	10	3	....	Bruce Davis
New Cumberland	Hancock	671	40	75.0	+2.0	93	25	54	†4	32	2.24	−1.84	.52	.0	10	10	10	11	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	75.6	+.4	96	8	55	4	32	2.91	−1.58	.48	.0	10	17	10	4	s.	Wm. Ankrom
Parkersburg	Wood	615	51	75.4	.0	93	8	57	5	29	3.08	−1.21	1.23	.0	11	11	10	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	73.4	+2.6	94	†7	48	1	36	10.84	+5.75	1.96	.0	17	15	6	10	....	J. W. Swisher
Philippi	Barbour	1,550	41	....		....	....	....	....	....	6.79	+2.06	1.32	.0	15	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	35	66.7	−1.9	86	8	47	6	33	4.74	−1.30	.88	.0	17	15	8	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	....	....	....	....	....	....	....	5.60	+.71	1.45	.0	14	17	3	11	....	Miss Mary A. Courad
Rowlesburg	Preston	1,375	50	....	....	....	....	....	....	....	11.50	+6.30	3.31	.0	15	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	577	30	....	....	....	....	....	....	....	1.98	−2.18	.45	.0	9	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	37	....	....	....	....	42	5	....	8.70	+3.46	3 10	.0	8	18	4	9	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	....	....	....	....	....	....	....	9.83	....	2.13	.0	17	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	15	75.2	+1.2	94	†12	51	6	36	3.42	−1.51	.80	.0	15	13	12	6	w.	S. A. Spence
Vandalia	Lewis	1,120	15	....	....	....	....	....	....	....	6.16	+1.00	1.21	.0	15	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	31	73.4	+1.2	97	8	48	†4	38	2.48	−1.70	.80	.0	9	19	9	3	....	George P. Pfister
West Milford	Harrison	979	13	....	....	....	....	....	....	....	2.61	−2.04	.84	.0	13	....	....	....	....	Miss Dicie E. Wagner
Weston	Lewis	1,026	43	75.6	+1.2	95	8	52	†4	35	5.87	+1.45	1.62	.0	18	0	18	13	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	75.4	+.6	94	†8	56	†4	33	1.56	−2.74	.84	.0	8	11	13	7	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	....	....	....	....	....	....	....	4 28	−.43	.94	.0	19	16	6	9	w.	H. S. Sutton
Bancroft	Putnam	574	34	77.3	+2.6	96	11	55	†4	33	9.74	+5 57	2.30	.0	17	9	9	13	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	69.0	−1.6	89	8	51	†6	34	7.48	+3.10	1.74	.0	16	10	13	8	....	L. A. Mauck
Bluefield	Mercer	2,558	43	71.4	−.2	87	11	57	24	25	8.26	+4.19	2.01	.0	13	6	15	10	....	Norfolk & Western Ry.
Charleston	Kanawha	602	35	76.2	−.7	95	8	59	†4	31	11.32	+6.54	2.90	.0	14	13	5	13	....	Charleston Daily Mail
Clay	Clay	790	22	....	....	....	....	....	....	....	7.11	+2.13	1.67	.0	16	....	....	....	....	L E. Woofter
Flat Top	Mercer	3,260	..	67.8	....	81	8	56	1	20	8.46	....	2.81	.0	12	....	....	....	....	U.S Airway Station
Gary	McDowell	1,426	22	73.8	+.7	91	8	57	1	31	6.71	+1.78	1.25	.0	14	....	....	....	....	U S. Coal & Coke Co.
Greenbottom	Cabell	550	1	74.9	....	92	†7	54	5	32	4.51	....	.80	.0	12	14	8	9	sw.	State Forest Nursery
Hinton	Summers	1,431	41	75.1	+.7	97	11	54	1	35	8.00	+3.93	2.07	.0	14	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	22	....	....	....	....	....	....	....	3.88	.00	.96	.0	12	....	....	....	....	Lockmaster
Huntington	Cabell	571	41	76.8	+.2	93	†27	57	5	29	6.24	+1.94	2.00	.0	15	8	13	10	sw.	H. N. Robinson
Institute	Kanawha	616	..	75.4	....	92	7	55	4	30	8.83	....	1.59	.0	14	....	..	....	....	Bureau of Air Commerce
Kanawha Falls	Fayette	618	19	....	....	....	....	....	....	....	6.58	+1.72	1.70	.0	12	....	....	....	....	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	70.9	−.1	85	11	57	16	24	6.25	+2.36	1.45	.0	16	6	13	12	....	J. K. Monroe
Logan	Logan	700	35	....	....	....	....	....	....	..	7.36	+2.43	1.69	.0	14	....	....	....	....	Paul A. Simonds
London Locks	Kanawha	623	2	76.4	....	93	†8	60	†4	29	8.71	....	2.00	.0	15	3	15	13	e.	Lockmaster
Madison	Boone	675	17	75.2	+.4	92	†8	58	†5	26	9.72	+4.39	1.48	.0	13	16	7	8	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	^{k}69.1	+1.5	^{k}89	20	^{k}51	5	^{k}37	4.30	−.49	1.04	.0	10	....	....	....	....	U. S. Forest Service
Point Pleasant	Mason	595	45	76.4	.0	94	8	56	4	32	2.99	−1.15	.92	.0	13	19	6	6	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	68.3	....	90	11	51	†1	37	5.52	....	1.41	.0	16	18	2	11	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	75.5	+.4	95	†7	53	5	34	4.40	+.38	1.03	.0	10	13	7	11	sw.	Lockmaster
Richwood	Nicholas	2,193	8	70.8	....	89	8	52	4	30	5.90	....	1.21	.0	15	5	17	9	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	75.3	−.1	94	28	55	5	32	6.14	+2.38	1.53	.0	14	19	0	12	....	M. Frazier
Ryan	Roane	700	35	72.4	−.7	90	†17	51	†4	34	5.97	+1.37	1.46	.0	17	13	10	8	....	Wm E. Ryan
Spencer	Roane	789	34	74.8	+1.2	93	27	53	4	33	3.57	−.67	.79	.0	13	9	15	7	....	A. M. McKown
Summersville	Nicholas	1,894	5	....	....	....	....	....	....	....	6.66	....	1.35	.0	14	....	....	....	....	Mrs. Anna Taylor
Sutton	Braxton	850	32	73.6	−1.2	94	†8	52	†4	33	5.05	−.28	.85	.0	14	17	0	14	....	C. B. Eakle
Union	Monroe	2,250	34	71.3	−.3	88	†9	53	1	30	4.80	+1.01	.97	.0	13	13	5	13	....	C. B. King
Wayne	Wayne	598	11	..	....	....	....	....	....	....	6.57	+1.98	1.92	.0	11	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	72.6	+1.0	91	11	52	†1	37	9.50	+5.58	2.25	.0	14	14	10	7	....	White Sulphur Spgs. inc.
Williamson	Mingo	673	38	76.0	−.1	93	†8	59	6	27	8.01	+3.58	1.52	.0	13	11	14	6	nw.	J. E. Dotson
State averages and extremes		....	....	**73.6**	**+.4**	**103**	**11**	**37**	**5**	**45**	**5.56**	**+.99**	**3.31**	**.0**	**14**	**13**	**10**	**8**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days, etc. † Also on other dates.

Daily Precipitation for July 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac		.20							.05	.16		.45			.15			.31	1.32	.16	.04	.35	1.35	1.13			1.00			.70	.36	7.73
Brandywine	do	.15							.20	.05			.15					.70	1.00	.50	1.15	T.	.35	.75			T.	T.		.05	.25		5.30
Harpers Ferry[1]	do		.02								.01		.10		.01	.40			.11	.49		.07	.54	.28	1.22				.09		.33	1.08	4.75
Inwood	do									.99			.25			.70		.65	.03	.20	.10		.21	.91				.31				.07	4.42
Kearneysville	do	.02								.12	.04		.18			.89			.23	.09	.17	T.	.22	.68				.05	T.	.19		.05	2.93
Martinsburg[1]	do	T.									.02		.75		T.	.45			.25	.12		.95	1.10	.45	.62				.20		.45	.10	5.46
McNeill	do	.10	T.							T.			.70		T.	.03		1.82	.48	.14	T.	T.	.05	1.66	T.			.08		.24	.30		5.60
Piedmont	do	.02								.02					.87				.22	.25	.16	.03		1.69					.26	.12	.02	.22	3.88
Romney	do	.02											.34		.02	.51			1.26	.98	.22	.56	.14	1.33	.02			.71		.30	.16	.06	6.63
Spruce Knob[1]	do	.22	.12	.08						.28	.16		.12	T.	.18	.16			1.21	.20	.38	1.93	.27	1.76	.16				.43		.21		7.87
Stony River Dam[1]	do		.18													.04					.23	.23	.30	.70	.68			.14	.20	.02	.34	.12	3.18
Wardensville[1]	do		.03										.08		T.				.32	.09	T.	.03	.07	.35	1.06	.02	T.		.81		.34	.14	3.34
Northern Division																																	
Aberdeen	West Fork	.07	.07							.53	.02		.23		.17	.14			.91	.36	.99	.02		.86					T.	.60	.25	.27	5.49
Alma (near)	Ohio	.16	.05							1.14			.06	.02	.03	.18			.21	.02		.30	.01	.06				.05		.08		.14	2.51
Alpena	Cheat	.16	.64	.03						.88			.80	T.	.13	.06			.25	.35	.37	.56	.05	1.18	T.		.55	T.	.09	1.10	.80	.02	8.02
Belington	Tygart		.16	.01						.02	.68		1.00		.26	.05			.01	.51	.37	.47	.45	1.10	.54			T.	T.		.61	.36	6.60
Benson	West Fork	.12	.13							.16			.30	.13	.10	.04			.40	.60	.06	.12		.15				1.25			.10	.20	3.86
Bens Run	Ohio	.25	.03							.04			T.	.04	.04				.11			.08						T.		.23		.36	1.18
Brownsville	West Fork	.15	.36							.20			.45	.20	.10	.20			.52	.90	2.35			.20						1.21	1.54	.58	8.96
Buckhannon	Tygart	.16	.13							.30	.12		.28	.11	T.	.27		.16	.36	.31	2.60	.07	.67	.69				.30		1.62		.32	8.47
Cairo	Litl.Kanawha		.47							*			.87		.62				1.55										.57				4.08
Clarksburg[1]	West Fork		.21							.06	.12					.07				.56	.06	.33	.56	1.22			.32		.08		.29	.20	4.08
Crawford	do	.17	.13						.07	.62				.79	.01	.80			.82	.05	.66	.04	.29	.72		.38		.04		.60	T.	.63	6.82
Creston[1]	Litl.Kanawha		.91							.36	.50		.05		.17	.26				.77		.02	.16	.05							.06	.05	3.36
Dam 10, Mon. R.[1]	Monongahela		.25	.01						.21	.39		.11			.06			.05	.43			.03	.40	.28				.12		1.15	.05	3.54
Dam 13, O. R.[1]	Ohio		.22	.01						.03	.02		.13			.12			.28	.08									.07			.20	1.16
Dam 15, Mon. R.[1]	Monongahela		.24							.21	.08					1.22				1.25			.29	.78	.46				.66		.24	.08	5.51
Dam 19, O. R.[1]	Ohio		.60	.02	T.					.07	.01		.01		.30	.35			T.	.12			.03									.35	1.86
Dam 20, O. R.[1]	do		1.47								.07				.56	.37			.02	.40			.35	.13								.78	4.15
Elizabeth(D'm 3 LK[1]	Litl.Kanawha	.93	.15						1.60					.32	.22				.60	T.	.03	.44								T.	.18	.16	4.63
Elkins[2]	Tygart	.09	.04						.12	.90		.09	.12	.05	.06			.04	.26	.03	.62	.49	.20	.67				.23		.83	T.	1.25	6.09
Fairmont[1]	Monongahela	.30							.16	.22		.03			.97			T.	.70	T.		.12	1.32					.02		.43	.08		4.35
Glenville[1]	Litl.Kanawha		.55	.06						.11	.26	.08	.40	.55		.27				1.32		.78	.14	.12	.04						.23	.18	5.09
Grafton	Tygart		.21							.45			.02		.02	1.63			.40	.97	.18	.02	.04	1.50						.86	.08	.11	6.49
Hackers Creek	West Fork	.07	.08							.17			.16	.06	.04	.01			.58	.28	.07	.01		.56				.09		.18			2.36
Hastings	Ohio	.04	.18						.32		.03			.02	.60	.43			.07	.01			.82	.09				.09	.03	.19		.12	3.04
Horner	West Fork	.10	.25							.40	.10	.05	.15	.45	.30				.25	.50	2.95	.25	.50	.20				.20		2.02	.02		8.69
Ireland	do		.09	.06						.84			.50	.52	.57			.07	.16	.18	2.64	.18		.78							.02	.82	7.43
Jackson's Mill	do	.10								.08									1.50	.02	.70			1.00			.15			.03	.12		3.70
Jane Lew	do	.06	.06							.24	.24		.23		.15				.49	.55	.29	.02	.03		.33			.05			.26	.56	3.56
Lost Creek	do	.12	.08							.15	T.		.04	.02	.10	.02			.73	.24	.41	.09	.05	.53		.19		.06	T.	.41	T.	.22	3.46
Mannington	Monongahela	.20	.14							.62	.02				.07	.66			.40			1.38	.13	.75				.48	.03	.05	.01	.07	5.01
Morgantown	do	.50								.25	.35		.35						.45	.30			.40					.20		1.20	T.	.20	4.20
New Cumberland	Ohio	.27	.02							T.			.05						.38			.32		.50	.04				.10	.04		.52	2.24
New Martinsville	do	.48	.10							.48					.35	.21			.24			.22			.28					.25		.30	2.91
Parkersburg[2]	do	.46	.27							1.23		.06		.10	.17				.09			.02						.01		.10	T	.57	3.08
Parsons	Cheat	*	.27							.28	T.	.20		T.	.04			.42	.30	1.23	1.02	.77	1.96	1.15			1.21		.17	.12	*	1.70	10.84
Philippi[1]	Tygart		.21	.02						T.	.40	T.	.10	.12	.07	.34			.09	1.28	1.32	.18	.09	1.20							.95	.42	6.79
Pickens	do	.23	.29							.88	.05	.10		.29	.08	.05		.16	.29	.38	.59		.05		.75			.10		.42		.03	4.74
Roanoke	West Fork	.15	.02							.21			.44	.43	.03				.58	.10	.54	.15	.10	.98						1.45		.42	5.60
Rockford	do	.08	.07							.39	.35		.04		T.				.59	.52	.22	T	.78	.25		T.		T.	T.	T.		.33	3.53
Rowlesburg[1]	Cheat		.33	.02						.15	.17		2.37		T.	2.16				.78	.32	.11	.16	.76	2.55				.28		1.21	.13	11.50
Saint Marys[1]	Ohio		.38						T.		.28		.13		.07	.08				.09			.40							.10		.45	1.98
Terra Alta[1]	Cheat		.80							.70			1.30			1.40				.40	.20	T.	3.10						T.		.80		8.70
Thomas[1]	do		.42	.07						.05	.20		1.40	.05		.10			.20	2.13	.71	.32	.09	1.63	.48				.51		1.02	.45	9.83
Valley Chapel	West Fork	.08	.13							.11	.20		.03		.33	T.			.80	.52	.22		.04	.40		T.		.07	.20		.04	.25	3.42
Vandalia	do	.22	.18							.26			.92	.25		.49			1.06	.11	.36	.04	.25	.36		.19			1.21			.26	6.16
Wellsburg (near)	Ohio	.17	.19							.80		T.		.06	T.	.46			.39			.10		T.			T.		.12			.19	2.48
West Milford	West Fork		.21	.01						.05	.13					.08			.84	.12	.20		.25	.34			.11	.05		.22			2.61
Weston[1]	do		.25	.03						.70	.17	.20	.11	.04	.03	.31				1.62	.26	.46	.08	.11	.04	T.			.56		.31	.59	5.87
Wheeling (Dam 12)[1]	Ohio	.02	.22								.03		T.			.12			.84	.03								.27	.03	T.		T.	1.56
Southern Division																																	
Arbovale[1]	Greenbrier	T.	.04						.17	.03			.15	.12	.10	.03		.33	.60	.94	.25	.10	.40	.13			.16	.03		.41	.28	.01	4.28
Bancroft	Gr. Kanawha	2.30	.30						1.15	.78		.50		.37	.10			.05	.20	.07	.95	1.65	.32	.04						.38	.22	.36	9.74
Beckley	New	.14	1.74	.83						.04				.20	.60			.11	.18	.10	1.35	.40	.22	.90						.32	.21	.14	7.48
Bluefield	do		1.33	.19						.14				.08	.63				.73	.26	.32	2.01	.11	.52	.07					T.	1.87		8.26
Camden-on-Gauley[1]	Gauley		.62	.08						.06	.36		.02			.14			.27	.61	.43	.05	.04	.52	.09						1.13	.13	4.55
Charleston[1]	Gr. Kanawha		2.90	.86						1.10	.49		T.	T.	.32	.22		T.	T.	.04	.56	.42	.52	2.33			.03				.22	1.31	11.32
Clay[1]	Elk		.98	.36						.29	.45		.25		.02	.26			.05	.97	.40	1.67	.10	.52			.30				.33	.16	7.11
Flat Top	New		1.24	T.						.08					.15	.30				1.23	.92	.02	.87	.64	2.65						.14	.22	8.46
Gary[1]	Big Sandy		.96	.22	.01					.09					.22	.94				.74	.48	.01	.18	.55	.20						.86	1.25	6.71
Greenbottom[1]	Ohio		.80	.69						.15			T.		.73	.19			.18	.41	.51	.02	.18	T.							.37	.28	4.51
Hinton[1]	New		1.20	.93	.05					T.					.24	.45				.47	.84	.15	.36	.32	.73				.02		.07	2.07	8.00
Hogsett[1]	Ohio		.59	.95						.25	.15		.10		.37	.40				.15		.05	.66								.10	.10	3.88
Huntington	do	.02	2.00	.23					T.		.80		T.	.05	.92	.22			.25	.53	T.	.17	.03	.04	T.					.38	.40	.20	6.24
Institute	Gr. Kanawha		1.44	.87						.20	.96		.01		.32	.31				.17	T.	.36	1.47	1.07	.04						.80	.81	8.83
Kanawha Falls[1]	do		1.70	.25						.25	.25				.08				.20	.60	1.30		.55	.35	T.					T.	.80	.25	6.58
Lewisburg	Greenbrier	.02	.58	.13						.40	T.				.25			.02	.93	.22	1.45	.21	.06	.74	.02	T.	T.			.01	.94	.27	6.25
Logan[1]	Guyandot		.30	.47	.06					.09	.52		T		.62	.87		T.	.80	1.69	T.	.06	.27	.20	T.		T.				.62	.79	7.36
London Locks[1]	Gr. Kanawha		2.00	.99						.59	.24			T.	.38	.45			.05	.49	.80	.15	.82	.88	.16						.32	.39	8.71
Madison[1]	Coal		1.00	1.48						1.16	1.14				.90	.05			.35	.79			.81	.19	.75						.55	.55	9.72
Marlinton	Greenbrier	T.		.21						.31	.08				.10				1.04	.08	.75			*						1.12		.61	4.30
Point Pleasant[1]	Ohio		.92	.10						.10	.35				.26	.20			.06	.30			.24	T.	.02		.30				.05	.09	2.99
Rainelle	Gauley	.03	1.41	.62	T.					.05				.03	.30	.10		T.	.90	.45	.30	.15	.04	.34	.01					.50	.29	T.	5.52
Ravenswood (Dam 22	Ohio		1.03	.48						.80	.09				.23	.27				.95			.46		.03							.06	4.40
Richwood[1]	Gauley	1.21	.19						.06	.79	.04				.48			.38	.50	.15	.34	.26	.19	.12						1.07	.12		5.90
Robertsburg[1]	Gr. Kanawha		1.45	.12						1.53	.69	.03	T.		.36	.08			.08	.70	.02	.02	.61								.13	.32	6.14
Ryan	do	.08	1.46	.21						.45	.42		.01	.01	.66			.20	.90	.24		.13	.07	.18						.22	.07	.66	5.97
Sharples[1]	Coal		1.35	1.36							1.10				1.03				.84	.99	T.	.42	.43							T.	T.	1.32	8.84
Spencer[1]	Litl.Kanawha		.79	.19							.42				.21	.20			.06	.40	T	.16	.22	.52					.04		.17	.19	3.57
Summersville[1]	Gauley		1.35	.56						.42	.31	.03				.30			.11	.26	.29		.28	.23	1.20						1.20	.12	6.66
Sutton	Elk		.35							.85				.15	.30	.65			.20	.45	.70	.30	.35	.20						.35	.10	.10	5.05
Thornwood[1]	Greenbrier	.12							.19			.09	.13	.04				1.04	.41	.52	.95	.10	.76		.06		.05	.18		.13	.10	.06	4.93
Union	New	.04	.95	.40									.08		.17				.97	.10	.40	.58	.43	.54	.06						.08		4.80
Wayne[1]	Twelvepole		.12	1.86						.24					1.92	.13				.43	.12	.02		1.06	.25						.42		6.57
White Sulp'r Spgs.[1]	Greenbrier	.50	.20							.50								.60	.80	.65	.70	.25	1.35	.70			.45	.50		.05	2.25		9.50
Williamson[1]	Big Sandy		.22	.75	.02					.03			T		1.16	1.22			.09	1.52	.15		.63	.55							.86	.81	8.01
Winfield Locks	Gr. Kanawha		1.65	.34						.53	1.48		.04		.35	.12			.01	.59	.06		2.14	.10	.16						.50	.28	8.35

Supplemental Rainfall Data—Totals: Elk.. 5.64 Midvale.. 7.35 Mt. Clare.. 4.46 Parsons No. 2.. 10.63 Salem.. 1.93 Shinnston.. 4.39 Valley Head.. 3.70

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.

[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for July 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	72	75	80	77	80	83	88	88	82	83	87	82	86	82	77	80	85	75	79	76	80	85	69	82	81	84	83	85	81	78	84	80.9
	Minimum	41	52	55	40	37	39	43	50	58	55	51	57	53	53	55	45	49	54	60	60	55	55	55	50	53	49	51	55	55	60	61	51.8
Brandywine	Maximum	80	82	81	82	83	85	90	89	90	91	93	89	90	86	85	89	92	85	84	82	83	87	82	83	84	87	90	92	90	89	90	86.6
	Minimum	52	61	60	50	47	54	54	60	64	62	59	65	62	59	58	50	55	55	62	60	61	62	63	60	58	57	60	59	61	62	60	58.5
Kearneysville	Maximum	80	87	82	82	84	90	91	94	89	95	98	91	92	89	87	89	93	87	87	90	85	87	81	82	84	83	89	93	93	85	90	88.0
	Minimum	50	66	61	55	49	55	58	65	70	66	65	66	61	70	65	61	59	66	69	69	69	68	67	64	61	63	63	65	69	67	68	63.5
Martinsburg[1]	Maximum	86	90	77	85	90	94	98	98	93	99	101	94	93	89	90	93	97	87	89	90	89	89	78	87	87	87	91	93	96	87	90	90.5
	Minimum	66	63	63	57	53	57	61	68	70	68	69	69	63	66	63	67	67	66	69	66	66	69	69	67	63	67	65	65	68	69	69	65.4
McNeill	Maximum	75	83	82	82	87	91	92	95	90	91	95	92	85	86	86	79	90	78	85	81	87	89	78	86	86	86	91	91	88	86	90	86.5
	Minimum	45	63	62	45	43	48	53	55	64	59	55	63	58	58	59	50	53	59	63	66	62	63	64	61	56	56	59	58	58	57	62	57.3
Piedmont	Maximum	73	82	79	77	84	89	89	92	86	91	93	88	86	84	82	83	89	76	84	85	84	87	86	85	87	81	89	90	89	90	88	85.4
	Minimum	57	67	63	59	49	52	57	60	66	69	62	64	69	70	67	56	65	60	65	65	67	66	65	68	66	60	67	69	64	68	66	63.5
Romney	Maximum	79	89	77	81	84	90	93	97	90	94	97	93	91	86	80	85	96	77	90	89	85	95	76	90	90	87	89	90	96	93	87	88 3
	Minimum	60	66	64	50	47	52	57	60	70	63	60	66	60	66	63	56	59	64	66	69	66	67	66	66	64	62	64	64	64	66	67	62.4
Wardensville	Maximum	79	84	83	79	84	88	90	92	91	93	95	90	93	88	86	90	94	84	83	79	88	90	77	84	86	86	90	91	90	82	89	87.0
	Minimum	58	62	62	46	45	51	54	57	67	62	58	65	61	64	61	52	55	62	66	66	63	66	67	62	59	60	60	62	62	65	65	60.2
Northern Division																																	
Bens Run	Maximum	71	81	86	87	89	90	93	95	91	94	93	90	89	82	85	88	91	78	86	88	86	88	83	93	92	95	93	94	81	82	91	87.9
	Minimum	64	67	69	58	57	60	65	67	69	66	68	71	67	66	65	61	63	69	72	68	68	65	69	69	67	69	69	67	71	62	68	66.3
Buckhannon	Maximum	71	71	80	77	79	81	85	87	84	85	86	83	83	77	79	84	82	78	79	80	81	83	74	81	84	84	85	86	83	78	85	81.1
	Minimum	62	65	62	53	54	55	61	64	70	66	64	68	64	67	65	55	63	63	66	68	62	63	68	61	63	62	63	65	66	67	67	63.3
Clarksburg[1]	Maximum	73	78	82	80	85	86	93	93	86	91	92	88	88	80	82	87	92	79	84	80	88	89	77	91	91	90	83	91	83	82	91	85.6
	Minimum	54	65	64	53	51	52	57	61	68	61	62	68	63	66	63	56	57	64	68	69	64	63	65	62	62	61	64	63	66	67	62	62.0
Creston	Maximum	77	79	79	80	89	92	96	96	95	90	89	87	82	82	82	86	87	81	79	83	87	78	86	91	86	89	96	81	80	89	87	85.5
	Minimum	59	65	67	51	50	53	57	55	60	62	66	63	61	60	57	57	59	67	65	60	60	61	64	63	61	61	63	64	64	65	65	60.8
Elkins	Maximum	71	70	80	78	79	82	88	89	82	84	88	81	82	78	77	80	85	77	77	77	82	85	72	84	85	85	83	86	83	79	84	81.1
	Minimum	58	63	55	50	50	52	56	59	66	63	60	65	61	65	61	56	59	63	65	65	63	61	62	59	62	59	61	61	62	64	64	60.3
Fairmont	Maximum	73	82	82	82	85	88	94	95	89	93	94	90	87	80	83	88	91	78	83	84	88	89	77	91	91	92	89	93	83	80	92	86.6
	Minimum	61	66	66	53	52	55	61	64	70	63	66	70	65	68	65	58	59	66	68	68	65	68	67	66	68	64	66	67	68	65	68	64.4
Glenville	Maximum	80	75	87	85	82	90	95	93	91	90	92	93	90	82	81	86	91	89	81	79	74	75	78	89	91	93	91	90	89	81	93	86.3
	Minimum	60	65	68	53	53	56	61	63	68	64	65	68	64	65	61	59	61	67	65	69	65	64	66	63	64	63	66	65	66	68	67	63.6
Grafton	Maximum	81	71	85	86	85	88	90	93	94	90	90	92	90	88	80	82	87	90	78	82	87	87	89	86	91	91	91	91	90	81	90	87.0
	Minimum	59	64	62	50	50	51	57	60	68	62	61	66	61	66	64	55	56	65	66	66	63	60	64	62	60	61	62	63	63	63	65	61.1
Lost Creek	Maximum	75	77	81	81	83	85	91	91	85	88	91	86	91	81	80	85	91	78	81	80	85	86	78	80	91	91	91	90	82	80	90	84.7
	Minimum	60	65	63	50	49	50	56	60	71	60	61	68	61	67	61	55	55	66	66	69	63	63	65	60	60	61	60	63	65	65	66	61.4
Mannington	Maximum	73	76	79	76	79	82	86	87	85	85	87	84	83	79	78	79	84	80	79	81	82	82	76	83	84	85	86	86	82	78	85	81.6
	Minimum	60	65	66	50	48	51	59	61	69	61	63	67	61	64	63	55	56	65	68	66	63	62	65	65	59	62	64	66	65	60	68	61.8
Morgantown	Maximum	74	79	85	90	89	91	92	92	89	90	91	90	89	80	83	89	88	75	83	84	86	89	84	88	89	88	89	89	81	85	91	86.5
	Minimum	64	56	62	55	52	55	61	64	70	65	68	66	60	70	60	54	55	68	68	65	65	64	68	60	62	63	67	67	65	63	62	62.7
New Cumberland	Maximum	71	81	80	83	84	86	92	92	89	89	87	86	85	85	84	84	86	82	88	91	90	87	85	88	93	92	91	90	89	90	84	86.7
	Minimum	63	67	60	54	54	57	63	65	69	64	64	66	63	64	61	55	58	67	64	64	65	63	65	68	62	64	67	68	69	58	69	63.2
New Martinsville	Maximum	82	86	88	80	84	90	91	96	93	94	92	90	89	82	83	84	88	85	86	87	82	85	82	92	92	95	90	91	86	79	91	87.6
	Minimum	60	64	63	55	64	63	62	64	68	65	68	67	65	68	62	56	58	65	66	65	62	63	65	66	62	66	65	65	66	60	66	63.7
Parkersburg	Maximum	73	78	83	80	82	87	92	93	89	91	91	89	86	81	82	85	90	76	83	82	81	85	81	88	88	91	89	91	80	79	88	85.0
	Minimum	67	67	64	59	57	58	64	69	68	66	68	72	66	68	64	59	61	69	66	68	66	64	69	65	67	65	69	70	67	67	68	65.7
Parsons	Maximum	72	76	85	85	87	88	94	94	88	86	93	84	87	75	83	88	94	78	82	74	85	90	72	88	90	89	87	91	89	89	88	85.5
	Minimum	48	55	61	51	58	57	58	59	68	65	62	65	60	65	66	58	60	60	65	67	66	61	65	61	60	60	63	63	64	63	64	61.2
Pickens	Maximum	65	67	77	77	78	80	85	86	79	82	85	84	80	74	78	78	83	74	78	75	79	82	71	80	79	81	83	84	80	75	84	78.8
	Minimum	51	52	55	48	48	47	52	56	60	61	55	56	56	54	58	50	54	59	60	56	50	54	60	51	50	52	56	57	59	59	58	54.6
Wellsburg	Maximum	75	87	85	83	86	87	94	87	90	91	91	89	92	82	82	87	89	77	88	91	87	90	84	91	94	94	90	91	84	90	91	88.0
	Minimum	60	57	56	48	48	50	61	59	66	61	59	60	62	63	56	51	52	64	63	64	63	59	64	61	56	60	63	64	66	54	57	58.9
Weston	Maximum	71	74	86	82	88	88	93	95	90	91	93	85	89	81	83	89	92	91	83	80	89	89	86	91	92	92	91	94	90	85	93	87.4
	Minimum	62	66	66	52	52	55	59	63	70	64	64	69	65	65	64	59	60	67	67	69	65	64	67	61	64	63	65	67	66	67	67	63.7
Wheeling	Maximum	69	86	82	79	84	90	93	94	88	90	89	89	88	83	81	81	89	75	87	87	86	89	89	91	94	91	88	90	84	87	90	86.5
	Minimum	60	66	62	56	56	57	62	65	74	61	68	66	65	70	61	57	59	64	66	68	67	65	70	65	62	67	69	68	74	61	66	64.4
Southern Division																																	
Beckley	Maximum	70	70	81	79	81	82	86	89	87	86	87	86	83	75	79	84	87	78	80	79	75	76	72	74	82	84	82	87	76	81	83	80.7
	Minimum	54	58	63	55	52	51	52	61	63	60	55	65	55	60	58	51	55	60	60	60	58	59	60	53	53	54	56	56	59	59	60	57.3
Bluefield	Maximum	76	70	78	78	79	79	84	86	83	85	87	86	84	79	79	84	86	80	79	74	73	74	70	78	76	83	84	85	85	78	80	80.1
	Minimum	60	63	63	63	60	59	59	68	66	63	63	68	63	61	62	60	62	62	63	66	64	64	64	57	60	61	62	62	64	64	64	62.7
Charleston	Maximum	75	78	85	85	85	88	94	95	90	92	92	89	87	78	85	86	92	80	79	82	85	88	78	88	89	92	93	92	89	82	81	86.3
	Minimum	60	67	67	59	59	60	63	68	71	70	66	72	68	68	65	63	67	68	69	69	67	63	67	65	65	67	68	68	68	68	68	66.2
Gary[1]	Maximum	78	80	83	83	82	83	81	91	86	88	90	85	87	83	82	85	90	85	85	80	78	81	74	85	85	86	87	90	88	83	88	84.3
	Minimum	57	64	65	67	58	60	59	60	66	65	64	67	64	65	63	61	64	64	64	66	65	64	66	63	60	61	62	63	65	65	64	63.3
Hinton[1]	Maximum	75	73	89	88	85	90	94	96	91	92	97	91	90	83	88	90	95	84	84	79	74	81	71	88	90	92	92	95	87	84	94	87.2
	Minimum	54	60	64	65	60	60	60	62	66	67	63	68	63	64	61	60	60	64	65	65	65	63	65	64	62	62	63	65	65	65	64	63.0
Huntington	Maximum	78	82	83	86	85	89	91	92	92	93	91	92	87	79	85	88	89	86	77	81	87	84	81	87	90	91	93	93	87	80	90	86.7
	Minimum	67	68	69	58	57	60	63	68	72	67	68	67	68	65	64	63	65	71	69	69	68	66	69	65	67	67	69	68	71	70	69	66.8
Lewisburg	Maximum	70	70	79	79	77	80	81	84	79	83	85	82	82	76	78	81	84	76	76	74	69	76	71	75	75	81	82	82	81	77	79	78.2
	Minimum	58	63	66	64	64	60	60	63	68	66	62	71	65	66	63	57	62	63	66	66	66	64	66	62	60	64	61	64	64	66	63	63.6
Madison	Maximum	83	82	79	83	83	83	85	92	92	89	89	91	88	87	80	84	86	91	79	83	83	83	86	78	85	87	89	91	91	89	84	85.6
	Minimum	60	60	66	61	58	58	60	66	67	64	65	66	65	66	64	66	68	68	70	68	66	63	68	63	65	65	67	67	67	68	65	64.8
Marlinton	Maximum	71	..	79	82	78	84	85	87	83	87	88	83	85	84	80	84	85	..	75	89	..	..	..	..	..	..	..	87	..	..	85	83.0
	Minimum	53	..	61	53	51	53	53	57	64	63	57	52	57	52	56	52	..	52	52	52	..	..	..	..	..	..	..	..	52	..	61	55.2
Point Pleasant	Maximum	74	76	86	83	84	88	93	94	91	92	93	90	87	82	85	87	91	87	82	86	81	82	83	90	89	93	92	92	90	80	91	86.9
	Minimum	65	64	70	56	57	58	61	66	70	65	67	69	66	68	65	63	64	70	68	70	69	64	68	68	66	65	65	68	71	68	68	65 9
Rainelle	Maximum	67	69	81	80	77	76	86	89	80	83	90	84	84	70	79	83	78	86	71	80	69	78	71	80	80	79	86	83	78	66	84	78.9
	Minimum	51	60	63	56	53	51	54	62	61	60	55	62	56	61	54	51	57	60	61	62	60	58	62	57	56	56	56	59	56	61	58	57.7
Ravenswood	Maximum	80	79	85	86	85	88	95	95	90	91	92	89	89	81	83	85	87	91	82	85	85	83	81	87	91	91	92	91	91	81	89	87.1
	Minimum	65	67	71	55	53	56	61	65	69	64	66	69	64	67	60	57	59	61	69	67	65	62	66	63	64	63	66	62	69	67	68	63.9
Richwood	Maximum	71	72	84	80	80	82	87	89	81	86	88	83	82	76	79	83	88	75	77	73	79	80	73	85	82	85	85	88	82	82	86	81.5
	Minimum	60	62	58	52	54	54	59	59	62	56	60	60	63	60	55	57	62	64	65	61	61	65	56	60	59	61	61	63	64	66	66	60.2
Robertsburg[1]	Maximum	74	79	85	83	86	89	93	93	92	92	93	88	82	83	85	88	92	80	79	77	77	82	83	85	87	90	91	94	84	80	90	85.7
	Minimum	58	67	68	56	55	58	61	65	70	64	67	67	65	67	64	59	62	70	69	69	66	63	67	66	65	65	67	67	69	68	68	64.9
Ryan	Maximum	75	75	80	80	78	85	87	87	85	88	88	88	88	75	75	85	90	75	75	75	80	80	75	85	87	89	89	90	85	80	85	82.5
	Minimum	61	65	68	51	60	51	57	61	68	62	66	68	63	64	61	56	65	64	60	68	63	65	64	62	61	60	63	62	64	66	65	62.4
Spencer[1]	Maximum	72	75	85	82	85	86	92	92	89	91	91	89	85	78	81	87	92	80	82	79	87	86	77	89	90	92	93	92	86	80	91	85.8
	Minimum	63	66	69	53	54	55	59	62	70	64	65	70	64	67	62	58	59	70	68	69	65	61	67	64	63	62	65	65	68	67	68	63.9
Sutton	Maximum	83	83	82	83	83	85	90	94	94	89	93	93	90	87	80	86	90	90	78	78	73	73	76	86	86	90	90	93	93	83	87	85.8
	Minimum	58	64	66	52	52	55	57	61	66	63	63	67	62	65	63	57	60	64	65	63	63	61	66	59	61	60	63	63	62	64	62	61.5
Union	Maximum	77	68	81	81	80	82	86	87	88	86	87	87	84	82	79	85	88	81	79	76	71	77	72	80	80	84	85	86	86	83	84	81.7
	Minimum	53	61	66	62	56	59	56	65	64	65	59	68	59	64	60	54	62	58	62	64	63	62	64	60	57	61	58	59	61	63	63	60.9
White Sulphur Spgs.	Maximum	79	77	81	86	84	88	85	89	86	88	91	90	89	80	81	89	89	86	88	81	81	82	78	82	82	83	82	86	84	83	84	84.4
	Minimum	52	58	66	61	60	59	55	60	64	64	59	62	60	60	59	52	62	62	65	65	65	64	64	61	60	62	62	63	60	59	61	60.8
Williamson[1]	Maximum	83	81	86	84	86	84	87	93	91	89	93	93	90	87	77	85	86	87	75	83	83	82	81	81	85	81	88	91	93	89	82	85.7
	Minimum	61	66	68	66	61	59	62	66	70	70	66	66	68	66	65	66	67	68	70	68	69	67	69	64	64	64	68	68	70	68	65	66.3

Daily Evaporation (Inches) and Wind Movement (Miles)

Clarksburg	Evaporation	.188	.017	.031	.239	.261	.219	.188	.223	.040	.205	.303	213	.189	.171	.100	.234	.326	.110	.025	.000	.149	.111	.242	.075	.191	.113	.279	.149	.188	.082	.117	4.978
	Wind movement	26	21	4	32	31	6	10	10	29	28	7	43	31	39	28	41	25	21	9	3	3	7	16	8	4	10	10	17	20	22	11	570

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 9 9-38—900)

.1.05
NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., AUGUST 1938 No. 8

GENERAL SUMMARY

Temperature during August averaged about two degrees above the normal for the State, as a whole. The month has been warmer only six times in the last 48 years, in which period the highest average temperature for the State was 76.0° in 1900 and 1918. The first two decades were nearly continuously warm. Droughty conditions prevailed in nearly all sections, particularly in the northern half of the State, during the last half of the month. At the close of the month small streams and springs were becoming dry, and some farmers were hauling water for domestic use and stock. Crops were seriously damaged, fields, meadows and pastures were turning brown. While the average precipitation for the State as a whole was the lightest of record since 1930, yet in the counties of Logan, Mingo, McDowell, Wayne and the southern portion of Greenbrier, the rainfall continued well in excess of the normal. Showers occurred frequently during the first half of the month. Heavy to excessive local rains occurred on the 4th, 8th and 12th in Wayne, Mingo and Logan Counties respectively, where considerable destruction was done by flooding, slides along highways and washing away of crops. A local thundersquall, on the 17th, did some damage at Parkersburg, when a house was unroofed and chimneys blown down. No damaging hailstorms occurred. The average number of clear days was the second highest of record.—*H. C. D.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 73.7°, or 1.9° above the normal. The mean for the northeastern panhandle division was 73.3°; for the northern division, 73.5°; and for the southern division, 74.0°. The highest monthly mean was 78.4° at Bancroft and the lowest, 65.9° at Bayard. The highest temperature was 100° at Martinsburg on the 14th and 16th and the lowest, 35° at Bayard on the 30th. The greatest daily range was 48° at Bayard on the 30th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 2.58 inches, or 1.52 inches below normal. In the northeastern panhandle division the average was 2.54 inches; in the northern division, 2.19 inches; and in the southern division 3.19 inches. The greatest monthly precipitation was 7.03 inches at Wayne and the least, 0.78 inch at Elk (Harrison County). The greatest amount in any 24 consecutive hours was 3.70 inches at Wayne on the 12th. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	2	4	..	1	11	2	1	8	8	..	6	15	10	..	10	..	2	13	12	11	3	11	1	6	4	6	5	12	11	11
Gales	..	..	..	..	1	..	..	1	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	2	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Halos, solar	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	4	1	5	11	4	1	8	12	3	4	10	1	..	..	6	3	13	4	..	..	1	..	..	..	..	..	..	..	..	..	7

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.04	30.22	13	29.86	1	5.3	21	nw.	4	91	61	67	80
Columbus, Ohio	30.03	30.22	13	29.85	1	7.4	31	n.	11	84	52	58	77
Elkins	30.09	30.28	13	29.90	11	4.5	23	w.	17	95	53	72	74
Parkersburg	30.04	30.23	13	29.86	17	4.9	22	n.	4	89	54	64	75
Pittsburgh, Pa	30.03	30.23	13	29.82	11	8.1	36	w.	17	82	50	57	74
Wytheville, Va	30.08	30.24	13	29.90	24	5.0	16	w.	11	88	53	70	65

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	69.8	......	......	3.48	6.10	4.73	5.48	0.0	......	......	......	......
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	7	......	......	......
1893	70.8	98	41	3.43	3 17	3.84	3.38	.0	......	......	......	......
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8 02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
Period	71.8	112	30	3.81	4.18	4.17	4.10	.0	10	14	10	7

Climatological Data for August 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	65.9	+0.1	90	17	35	30	48	2.25	−2.13	0.84	0.0	7	26	1	4	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	71.9	+2.0	98	15	42	26	44	3.20	−.38	1.00	.0	7	23	0	8	sw.	E. L. Keister
Harpers Ferry	Jefferson	244	49	...	...	...	...	...	...	...	2.30	−1.69	1.46	.0	3	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	6	74.2	...	94	†5	49	26	38	2.77	...	1.08	.0	6	16	12	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	8	75.7	...	97	16	51	†25	39	2.71	...	1.23	.0	8	18	13	0	s.	University Exper. Station
Martinsburg	Berkeley	435	46	78.2	+5.2	100	†14	52	26	40	3.63	−.43	1.50	.0	5	25	6	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	71.8	+.5	98	15	40	†26	47	2.36	−.63	1.03	.0	8	17	14	0	w.	R. E. Saville
Piedmont	Mineral	1,053	25	73.4	+2.9	97	16	47	30	41	1.41	−2.18	.74	.0	5	21	9	1	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	75.6	+3.0	98	†15	47	26	42	1.09	−2.52	.23	.0	8	20	10	1	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	...	...	...	...	...	...	...	5.51	...	1.62	.0	11	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	18	...	...	...	...	...	...	...	1.42	−3.16	.68	.0	5	11	10	10	w.	A. C. Becker
Wardensville	Hardy	1,200	17	73.4	+3.9	94	†15	45	26	43	1.86	−1.77	1.05	.0	6	17	14	0	...	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	...	...	...	...	...	...	...	2.81	−1.67	.90	.0	7	16	12	3	w.	L. Esle Bond
Alma (near)	Tyler	800	11	...	...	...	...	...	...	...	2.94	−2.59	1.64	.0	9	16	12	3	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	67.8	...	90	14	37	26	45	1.69	...	.51	.0	11	17	10	4	w.	Christian Hertig
Benson	Harrison	1,080	14	72.8	+2.1	94	17	44	30	42	2.07	−2.38	.70	.0	8	13	16	2	...	R. D. Marts
Bens Run	Pleasants	652	36	77.4	+3.8	94	†7	55	30	36	2.04	−2.20	.81	.0	6	27	3	1	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	72.6	+.4	93	†16	41	25	46	4.37	+.10	2.50	.0	9	19	9	3	...	M. D. Hawkins
Buckhannon	Upshur	1,411	41	72.4	+2.5	88	15	50	30	31	1.01	−3.08	.58	.0	7	24	6	1	...	H. A. Darnall
Cairo	Ritchie	680	37	75.0	+2.5	93	†15	50	†25	39	3.02	−.85	.89	.0	6	14	10	7	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	74.2	+2.2	96	16	47	30	41	1.00	−3.48	.31	.0	9	15	13	3	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	...	...	...	...	...	...	...	1.75	−2.83	.52	.0	9	15	15	1	sw.	George W. Blair
Creston	Wirt	640	36	72.8	−.3	95	15	49	30	41	3.83	−.03	1.84	.0	8	22	5	4	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	17	...	...	...	...	...	...	...	1.65	−2.41	.58	.0	7	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	22	...	...	...	...	...	...	...	2.55	−.82	1.26	.0	10	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	17	...	...	...	...	...	...	...	1.47	−2.66	.36	.0	7	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	22	...	...	...	...	...	...	...	1.83	−1.83	1.06	.0	7	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	22	...	...	...	...	...	...	...	3.09	−.70	1.06	.0	7	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	25	...	...	...	...	...	...	...	2.56	−1.44	1.50	.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	37	70.8	+1.7	89	16	47	30	36	1.39	−2.47	.39	.0	10	7	16	8	nw.	U. S. Weather Bureau
Fairmont	Marion	883	32	76.0	+3.3	95	16	51	30	38	1.75	−2.25	.37	.0	9	22	6	3	w.	J. C. Robinson
Glenville	Gilmer	738	44	75.4	+1.5	93	6	50	30	41	2.24	−1.99	.80	.0	9	21	7	3	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	75.3	+3.9	94	†16	48	30	43	2.09	−1.62	.69	.0	12	20	9	2	...	L. W. Clayton
Hastings	Wetzel	809	3	...	...	...	...	...	...	...	4.61	...	1.77	.0	9	13	13	5	w.	L. G. McIntyre
Horner	Lewis	1,044	15	...	...	...	...	...	...	...	2.29	−2.59	.75	.0	11	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	15	...	...	...	...	...	...	...	1.40	−3.45	.30	.0	12	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	72.9	+2.2	92	†3	45	29	39	1.57	−2.66	.37	.0	7	20	9	2	w.	Allen Smith
Mannington	Marion	974	35	71.4	+1.2	88	16	46	†25	36	1.10	−2.98	.45	.0	10	15	14	2	w.	James A. Morgan
Morgantown	Monongalia	1,300	45	75.4	+3.4	92	8	51	†25	40	1.88	−2.13	.67	.0	9	21	7	3	...	Bruce Davis
New Cumberland	Hancock	671	40	75.6	+4.8	98	20	51	†14	35	3.19	−.20	1.14	.0	7	9	14	8	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	75.1	+1.4	95	†7	50	†25	37	2.53	−1.36	.98	.0	6	18	10	3	s.	Wm. Ankrom
Parkersburg	Wood	615	51	75.6	+1.7	92	10	55	30	31	1.97	−1.54	.67	.0	7	13	13	5	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	^{f}73.9	+4.5	^{k}94	6	48	†26	^{k}33	1.89	−2.16	...	.0	10	20	9	2	...	J. W. Swisher
Philippi	Barbour	1,550	41	...	...	...	...	...	...	...	1.91	−2.33	.60	.0	7	...	...	...	...	H. F. Brittingham
Pickens	Randolph	2,697	35	67.4	+.9	87	16	42	26	38	2.89	−2.58	.80	.0	9	24	6	1	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	...	...	...	...	...	...	...	1.89	−2.45	.49	.0	9	21	6	4	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	50	...	...	...	...	...	...	...	3.22	−1.31	.95	.0	7	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	577	30	...	...	...	...	...	...	...	3.01	−1.08	1.00	.0	8	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	37	66.4	−.4	87	16	41	†25	39	1.80	−3.21	1.10	.0	4	20	8	3	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	...	...	...	...	...	...	...	2.48	...	.55	.0	9	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	15	75.2	+2.7	93	†7	49	31	39	2.21	−1.95	.52	.0	10	20	9	2	w.	S. A. Spence
Vandalia	Lewis	1,120	15	...	...	...	...	...	...	...	1.54	−2.66	.31	.0	8	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	31	73.5	+3.2	99	6	44	29	43	3.20	−.36	.86	.0	7	23	6	2	...	George P. Pfister
West Milford	Harrison	979	13	...	...	...	...	...	...	...	1.23	−3.39	.30	.0	10	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	43	75.4	+2.7	94	†6	50	30	38	3.00	−.70	.89	.0	10	1	26	4	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	76.0	+3.2	93	†15	55	†26	34	3.04	−.51	1.13	.0	8	13	11	7	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	...	...	...	...	...	...	...	1.93	−2.38	1.09	.0	9	20	10	1	n.	H. S. Sutton
Bancroft	Putnam	574	34	78.4	+5.3	95	†8	58	†29	32	1.81	−2.31	.95	.0	7	9	16	6	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	69.2	−.7	89	16	45	†19	38	3.78	−.06	1.19	.0	11	10	19	2	...	L. A. Mauck
Bluefield	Mercer	2,558	43	71.9	+1.4	87	†10	52	19	29	2.67	−.94	.70	.0	10	15	9	7	...	Norfolk & Western Ry.
Charleston	Kanawha	602	35	77.2	+1.9	94	10	59	†26	31	4.10	−.37	1.08	.0	10	...	...	...	...	Charleston Daily Mail
Clay	Clay	790	22	...	...	...	...	...	...	...	2.93	−1.56	1.05	.0	10	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	..	68.6	...	80	†8	53	26	23	2.20	...	.51	.0	8	...	...	...	...	U. S. Airway Station
Gary	McDowell	1,426	22	74.2	+2.2	90	14	54	†20	32	4.83	+.72	1.55	.0	10	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	^{i}75.0	...	^{q}92	7	^{c}56	†26	^{q}32	2.60	...	.76	.0	9	20	6	5	sw.	State Forest Nursery
Hinton	Summers	1,431	41	76.3	+3.0	97	†7	53	26	37	1.49	−2.67	.45	.0	7	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	22	...	...	...	...	...	...	...	2.10	−1.06	.96	.0	8	...	...	...	...	Lockmaster
Huntington	Cabell	571	41	77.7	+2.9	94	14	57	30	32	2.22	−1.48	.49	.0	8	9	15	7	nw.	H. N. Robinson
Institute	Kanawha	616	..	76.2	...	93	7	56	†26	32	2.92	...	1.11	.0	10	...	...	...	...	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	19	...	...	...	...	...	...	...	2.34	−2.55	.75	.0	8	...	...	...	...	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	72.2	+2.8	92	†14	50	26	37	5.66	+1.71	2.57	.0	12	10	16	5	...	J. K. Monroe
Logan	Logan	700	35	...	...	...	...	...	...	...	5.38	+.89	2.81	.0	10	...	...	...	...	Paul A. Simonds
London Locks	Kanawha	623	2	76.8	...	95	7	58	26	28	3.70	...	.99	.0	9	20	2	9	e.	Lockmaster
Madison	Boone	675	17	76.7	+2.3	93	8	53	31	30	2.42	−1.40	.77	.0	8	21	6	4	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	70.0	+3.8	89	†15	46	†26	38	3.10	−1.58	....	.0	11	12	17	2	...	U. S. Forest Service
Point Pleasant	Mason	595	45	77.2	+2.5	94	9	57	†25	35	3.22	+.01	1.50	.0	8	18	11	2	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	67.2	...	89	10	45	26	38	1.93	...	.54	.0	13	15	8	8	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	75.0	+2.1	93	7	52	†25	36	2.20	−1.15	1.04	.0	9	22	1	8	sw.	Lockmaster
Richwood	Nicholas	2,193	8	70.8	...	89	†14	50	†26	33	2.46	...	.85	.0	10	12	13	6	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	76.5	+2.6	96	9	55	30	34	2.84	−.66	1.10	.0	6	23	0	8	...	M. Frazier
Ryan	Roane	700	35	72.9	+1.2	90	†6	48	30	39	4.19	+.11	1.68	.0	7	21	6	4	...	Wm. E. Ryan
Spencer	Roane	789	34	75.6	+3.3	94	7	51	†29	39	2.27	−1.70	.67	.0	9	11	18	2	...	A. M. McKown
Summersville	Nicholas	1,894	5	...	...	...	...	...	...	...	1.82	...	.73	.0	4	...	...	...	...	Mrs. Anna Taylor
Sutton	Braxton	850	32	75.4	+2.3	93	†7	54	27	36	1.40	−2.85	.35	.0	6	...	...	...	...	C. B. Eakle
Union	Monroe	2,250	34	71.0	+.8	90	16	48	†26	36	3.40	−.53	.95	.0	9	21	3	7	...	C. B. King
Wayne	Wayne	598	11	...	...	...	...	...	...	...	7.03	+2.78	3.70	.0	8	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	70.8	+.5	92	12	46	26	36	4.35	+.76	1.90	.0	7	18	7	6	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	38	77.8	+3.0	95	16	59	26	32	6.63	+2.64	2.09	.0	10	16	11	4	nw.	J. E. Dotson
State averages and extremes		...	...	**73.7**	**+1.9**	**100**	**†14**	**35**	**30**	**48**	**2.58**	**−1.52**	**3.70**	**.0**	**8**	**18**	**9**	**4**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days, etc. † Also on other dates.

Daily Precipitation for August 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac	T.	.05		.61				.04	.84			.28						.05	.38													2.25
Brandywine	do	.35	.30		.20		1.00	.40	.80									T.	.15														3.20
Harpers Ferry[1]	do		.06		T.							.78							1.46														2.30
Inwood	do	.41			.06		.16				1.08							.39														.67	2.77
Kearneysville	do	.54	T.	.15	T.		.02				.65	.06							.60	.63												.06	2.71
Martinsburg[1]	do	T.	1.35		.15	.15						.48							1.50														3.63
McNeill	do	.89	.14		T.			.10	.86			.08				T.		.05	.14													.10	2.36
Piedmont	do	.15	.14	T.				T.	.74			.04					.34																1.41
Romney	do	.23	.03	.05	.13			.05	.18			.22																				.20	1.09
Spruce Knob[1]	do	.48	.27	.18	1.01	.32	.26	.37	.58	T.			T.					1.62	.24	.18													5.51
Stony River Dam[1]	do	.12	.11		.13				.38										.68														1.42
Wardensville[1]	do		1.03	.02				.05	T.	.55			.16				T.		.05														1.86
Northern Division																																	
Aberdeen	West Fork	.30	.02	.81	.90	.03			T.			.16							.59						T.							T.	2.81
Alma (near)	Ohio	.18		.44		1.64	.20		.03	.01		.24				.15		.05															2.94
Alpena	Cheat	.07	.17	.21	.51	T.		.05	.02	.02		.16				.02	.37	.09															1.69
Belington	Tygart	.14	.13	.03	T.	.15			1.20	T.	T.	.02	.45					T.	.18							T.							2.30
Benson	West Fork	.12	.08	.60	.05				.70			.32						.05														.15	2.07
Bens Run	Ohio	.67			.81	.25		.09		T.		.11						.11														T.	2.04
Brownsville	West Fork	.22	.10	.17		.05			2.50			.55				.02			.70													.06	4.37
Buckhannon	Tygart	T.	.07	.07	.09				.08	.04		.08				T.		.58														T.	1.01
Cairo	Litl. Kanawha	.55		.05	.12	.89		.55				.86																					3.02
Clarksburg[1]	West Fork		.08	.22	.12	.06				.02		.02	.09				.08		.31														1.00
Crawford	do	.20	.29	.13	.40	.04		T.	.52			.13						.03	.01														1.75
Creston[1]	Litl. Kanawha	.05	.15			.85		.15		1.84		.26							.52				.01										3.83
Dam 10, Mon. R.[1]	Monongahela		.24			.02		.12	T.	.37			.58				.02		.30														1.65
Dam 13, O. R.[1]	Ohio	.17	.17			1.26		.20	.01	.28		.15	.04				.01		.26														2.55
Dam 15, Mon. R.[1]	Monongahela		T.	.14	.23	T.		.29		.36	.14		.29				.02		T.														1.47
Dam 19, O. R.[1]	Ohio	.03	.35			1.06		T.				.07	.03					T.	.03				.26										1.83
Dam 20, O. R.[1]	do	.04	.32			.90		1.06				.26						T.	.25				.26										3.09
Elizabeth (D'm 3 LK[1]	Litl. Kanawha	.08					1.50		.22		.28							.30				.02										.16	2.56
Elkins[2]	Tygart	.14	.10	.20	.18			.07		T.	T.	.39				.03		.24	.02													.02	1.39
Fairmont[1]	Monongahela	.04	.18	.08	.04		.37		.35		T.	.36				.03		T.														.30	1.75
Glenville[1]	Litl. Kanawha	.03	.26	.11	.80	.57				.03		.26	.05					.13															2.24
Grafton	Tygart	.26	.01	.04	.69	.02		.04	.02	.18	.02	.12	.01						.68														2.09
Hackers Creek	West Fork	.67		.11	.16	.08		.05	.16			.19				.16			.69														2.27
Hastings	Ohio	.36	.31	.79		1.77		.82		.14		.31				.09		T.	.02			T.											4.61
Horner	West Fork	.15	.02	.08	.12			.20		.07		.25			.20		.30	.75														.15	2.29
Ireland	do		.69	.11					1.21	.51		.02					.18								.01								2.73
Jackson's Mill	do				.30	.25								.44							.36												1.35
Jane Lew	do	.20	.30	.14	.03	.05	.03	.05	.22			.19		.01					.15													.03	1.40
Lost Creek	do	.31	T.	.22	T.	.05		T.	.37			.25				.13		.24														T.	1.57
Mannington	Monongahela	.07		.18	.02	.07		.09		.04	.02	.45				.08																.08	1.10
Morgantown	do	.20		.67	.02	.01			.15					.02				.28					.03									.50	1.88
New Cumberland	Ohio	.69			1.14			.24	.82		T	.20				.04		.06															3.19
New Martinsville	do	.52				.98		.22		.11		.58						.12															2.53
Parkersburg[2]	do	.45		.39	.67	T.	T.	.09				.11						.08				.18										T.	1.97
Parsons	Cheat	.06	.06	*	1.08			.05	.21	.03	T.	.07						*	.33														1.89
Philippi[1]	Tygart		.45	.11	.02	T.		.17	.09			T.	.47						.60														1.91
Pickens	do	.50	.05		.12			.64	.04			.34						.80	.05													.35	2.89
Roanoke	West Fork	.12		.49	.21				.23	.17	.05	.24				.21			.17														1.89
Rockford	do	.21	T.	.54	.11	.04			.18			.26						.60														T.	1.94
Rowlesburg[1]	Cheat		.40		.78	.06				.95			.41				.09		.53														3.22
Saint Marys[1]	Ohio		.93		.70	1.00		.05		.03		.10							.18													.02	3.01
Terra Alta[1]	Cheat				.30					.20			.20						1.10														1.80
Thomas[1]	do	.05	.08		.37	.02			.34	.55			.19				.38		.50	T.													2.48
Valley Chapel	West Fork	.52		.05	.12	.05		.15	.50			.52						.01	.17													.12	2.21
Vandalia	do		.16	.08	.26	.22	.18		.20			.31						.13															1.54
Wellsburg (near)	Ohio	.56			.45	.14		.86	.64	.40	T.	.15						T.														T.	3.20
West Milford	West Fork		.06	.24	.10	.08				.01		.03	.08				.09		.30													24	1.23
Weston[1]	do	T.	.15	.89	.04	.06		.08		.81		.02	.50				.05		.40														3.00
Wheeling (Dam 12)[1]	Ohio	.16	.40			1.13		.36		.79	.02	.09	.09				T																3.04
Southern Division																																	
Arbovale[1]	Greenbrier	.43	.06	.03	.04	.13		1.09				T.					.05	.08														.02	1.93
Bancroft	Gr. Kanawha	.37		.05	.95							.18						.08				.14										.04	1.81
Beckley	New		.38	.65	.06			.35	.04	.77		.13	.06					1.19	.08						.07							T.	3.78
Bluefield	do	.30	.70	.18	.08				.21	.32		.22	.12					.03	.51														2.67
Camden-on-Gauley[1]	Gauley		.36	.10	.13	.04			.49	.02		.13	1.44				.02	.09	.72														3.54
Charleston[1]	Gr. Kanawha	.11	.37	.10	.14	.72			1.08	.02			.39						.55				.62										4.10
Clay[1]	Elk	22	1.05	.03	.56	.50			.01	.10			.30						.15				.01										2.93
Flat Top[1]	New	T.	.33	.34	.31	.02				.32	.02		.40					T.	.46							T.							2.20
Gary[1]	Big Sandy	.08	.16	1.55	.76	05			.03	.15			1.24				.05		.76														4.83
Greenbottom[1]	Ohio	.29	.13		.24	.39		T.	.10	.66		T.	.12						.16				.51										2.60
Hinton[1]	New	T.	.23	.45	.03	T.		.13		.43			.05					T.	.17														1.49
Hogsett[1]	Ohio	.12	.24	.10		.96				.02			.23						.30				.13										2.10
Huntington	do	.45	.10	.02		.37			.24			.14						.49	T.				.41										2.22
Institute	Gr. Kanawha	.81	.44	.05	.16	1.11			.06	.01			.11						.08				.09										2.92
Kanawha Falls[1]	do	.35	.15	T.	.04	.25				.10		T.	.75					.10	.60														2.34
Lewisburg	Greenbrier	.28	.20	2.57	.25	T.	T.	.05	.21	1.66		.11	.01					.11	.14													.07	5.66
Logan[1]	Guyandot	.23	.28	.31	.10	.54				.40		2.81							.53				.15			.03		T.					5.38
London Locks[1]	Gr. Kanawha	.20	.49	.16	.10	.67				.30			.99					.11	.68														3.70
Madison[1]	Coal	.30	.30	.43	.17				.04				.77									.15	.26										2.42
Marlinton	Greenbrier	.18	.44	.15	.03	.03	*	1.70				*	.30					.24	.03													T.	3.10
Point Pleasant[1]	Ohio	.08	.14	.02	T.	1.50				.11		.52	.56						T.				.29										3.22
Rainelle	Gauley	.20	.14	.27	.05				.22	.01		.30	.01				.08	.54	.08	.01												.02	1.93
Ravenswood (Dam 22	Ohio	.05	.12	.17		1.04		.02				.46	.10						.04				.20										2.20
Richwood[1]	Gauley	.15	.21	.10				.04	.10			.36				.02	.03	.60														.85	2.46
Robertsburg[1]	Gr. Kanawha	T.	.40		1.10							.23	.22						.62				.27										2.84
Ryan	do	.23		.18		1.28			.41			1.68						.36					.05										4.19
Sharples[1]	Coal					.30						2.45	1.95										.32										5.02
Spencer[1]	Litl. Kanawha	.09	.26			.67			.03	.17		.13	.67						.20				.05										2.27
Summersville[1]	Gauley	.28	.35										.46						.73														1.82
Sutton	Elk	.35	.30		.30				.10			.15							.20														1.40
Thornwood[1]	Greenbrier	.79	.18	.28		.29						.18						.21														.43	2.36
Union	New	.05	.08	.82	.83		.35		.12	.95			.08						.12														3.40
Wayne[1]	Twelvepole		.62	.17	.25	.76					.22		3.70						.54				.77										7.03
White Sulp'r Spgs.[1]	Greenbrier	.15	1.25	.10	.20				1.90									.65														.10	4.35
Williamson[1]	Big Sandy	.02	.42	.54	.34	.69			1.57	.26			2.09						.47				.23										6.63
Winfield Locks	Gr. Kanawha	.35	.32		.02	.99							.09						.12				.11										2.00

Supplemental Rainfall Data—Totals: Elk.. 0.78 Midvale.. 1.68 Mt. Clare.. 1.31 Parsons No. 2.. 1.87 Salem.. 1.00 Shinnston.. 3.31 Valley Head.. 1.07

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. [2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for August 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	80	85	85	83	86	88	82	83	85	82	78	79	71	77	85	88	90	85	75	80	83	85	80	80	76	72	78	80	80	83	83	81.5
	Minimum	60	60	58	60	61	60	57	53	55	57	58	55	54	44	45	50	59	60	53	40	44	45	50	47	49	38	37	40	38	35	37	50.3
Brandywine	Maximum	90	86	88	89	91	89	87	90	92	87	85	88	87	92	98	95	93	86	82	88	90	88	89	85	86	86	84	85	88	87	88	88.4
	Minimum	61	60	62	64	65	62	64	62	60	65	55	54	50	52	58	62	61	60	47	51	52	55	53	50	45	42	45	46	52	50	52	55.4
Kearneysville	Maximum	92	91	89	91	92	87	89	89	92	90	87	83	87	92	91	97	96	94	81	86	89	90	90	85	80	85	92	84	86	92	92	89.1
	Minimum	70	70	67	70	70	69	68	69	61	65	69	62	58	59	59	58	71	69	64	56	58	62	57	71	51	51	56	56	55	56	55	62.3
Martinsburg[1]	Maximum	93	95	90	93	95	90	90	93	94	94	90	85	90	100	99	100	97	85	90	92	93	91	92	87	82	88	93	89	88	95	93	91.8
	Minimum	70	71	69	72	72	72	70	70	69	68	69	69	55	60	67	72	72	68	57	62	61	62	60	65	57	52	58	61	57	58	57	64.6
McNeill	Maximum	87	89	86	90	94	92	88	89	91	91	85	81	85	95	98	92	94	83	85	90	93	90	89	83	78	85	86	83	86	80	92	88.1
	Minimum	65	67	63	66	65	62	60	62	62	61	65	56	49	50	57	62	61	64	45	51	51	53	51	58	49	40	47	45	45	40	45	55.4
Piedmont	Maximum	84	90	90	89	87	86	86	84	89	87	79	79	85	90	93	97	92	79	85	88	90	85	87	83	76	83	87	82	87	88	88	86.3
	Minimum	65	66	66	67	68	66	66	64	65	64	68	61	54	56	60	69	66	66	53	56	57	68	58	69	48	49	54	59	51	47	53	60.6
Romney	Maximum	89	92	93	92	93	94	88	88	92	91	82	84	90	95	98	98	94	86	89	94	93	90	90	85	83	85	88	88	87	90	89	90.0
	Minimum	68	70	68	69	69	66	67	66	67	66	68	64	54	57	63	69	65	68	52	58	57	62	59	71	48	47	54	53	50	48	52	61.1
Wardensville[1]	Maximum	88	89	88	90	93	93	88	90	90	89	86	80	86	93	94	94	94	82	85	91	91	89	91	85	78	87	91	86	88	90	89	88.6
	Minimum	64	68	65	67	68	69	67	64	65	63	65	54	52	54	61	64	63	64	48	54	53	59	55	63	48	45	52	49	48	47	49	58.3
Northern Division																																	
Bens Run	Maximum	77	91	89	91	85	93	94	93	93	92	84	82	89	93	93	93	94	86	92	93	92	88	91	87	83	89	94	89	89	91	92	89.7
	Minimum	69	61	71	69	69	68	69	70	72	71	70	64	62	62	71	71	73	65	61	65	64	67	65	67	56	57	60	59	56	55	59	65.1
Buckhannon	Maximum	84	83	84	83	84	85	86	83	84	85	84	80	80	84	88	87	86	76	80	83	84	80	83	80	74	78	81	78	81	81	83	82.3
	Minimum	69	69	69	69	67	68	68	67	69	67	72	62	55	56	66	68	69	66	55	58	62	68	63	60	53	51	55	57	52	50	53	62.4
Clarksburg[1]	Maximum	83	91	91	89	89	92	92	90	91	90	82	82	88	93	93	96	92	81	87	91	92	85	90	84	80	87	85	87	87	88	87	88.2
	Minimum	67	68	69	71	64	67	68	65	67	67	69	58	54	54	56	66	69	63	54	56	58	63	58	64	48	49	54	52	50	47	52	60.2
Creston	Maximum	87	88	89	89	85	91	81	87	78	90	89	75	73	88	95	90	89	77	85	87	86	86	85	84	83	83	83	83	82	90	84	85.4
	Minimum	60	65	67	68	64	67	66	65	65	66	69	63	56	55	65	66	64	63	55	58	57	60	60	59	51	51	52	53	53	49	50	60.1
Elkins	Maximum	80	83	85	86	85	86	86	84	84	86	80	76	82	87	88	89	87	75	81	85	86	81	84	79	73	80	80	79	81	83	84	82.7
	Minimum	67	66	68	70	66	67	67	63	67	64	64	57	52	54	62	67	66	57	52	54	55	61	56	55	49	47	52	50	51	47	50	58.8
Fairmont	Maximum	82	91	91	92	91	94	89	91	90	91	80	82	88	93	90	95	94	84	88	91	92	87	90	84	80	87	86	83	88	89	87	88.4
	Minimum	68	70	73	72	69	67	69	69	68	69	73	68	57	57	64	69	71	64	55	60	61	61	60	67	56	55	58	54	55	51	57	63.5
Glenville	Maximum	92	91	90	90	91	93	92	91	91	92	90	86	87	92	92	92	91	88	86	92	91	82	86	85	80	89	87	86	90	91	90	89.2
	Minimum	67	68	68	69	67	69	68	67	67	69	71	63	58	57	66	60	62	65	56	59	60	65	60	62	54	52	55	54	53	50	52	61.7
Grafton	Maximum	91	87	91	91	89	90	92	92	90	92	90	80	84	91	92	94	94	91	87	91	91	93	90	88	87	86	88	89	90	91	90	89.7
	Minimum	65	66	67	68	64	66	66	62	66	65	72	58	53	54	63	76	76	58	54	55	58	65	59	69	49	51	55	52	52	48	55	60.9
Lost Creek	Maximum	81	91	92	90	88	91	90	84	91	90	84	86	80	80	88	92	90	81	84	81	90	83	88	87	75	85	87	84	80	81	87	85.8
	Minimum	68	68	71	70	64	66	66	64	65	66	71	69	52	52	64	65	68	61	51	55	58	66	55	65	47	46	52	51	45	48	51	60.0
Mannington	Maximum	79	83	84	85	83	85	85	86	85	86	79	77	81	86	86	88	87	81	83	85	85	82	85	82	76	81	81	80	82	82	84	83.0
	Minimum	66	69	66	69	64	66	67	65	65	67	72	59	54	55	63	66	67	62	52	58	57	64	57	64	46	48	52	51	47	46	52	59.9
Morgantown	Maximum	88	90	89	88	90	89	90	92	90	90	87	82	89	90	88	89	85	85	88	90	89	91	90	88	91	90	91	90	88	85	82	88.5
	Minimum	64	66	67	66	67	68	69	65	66	69	68	64	57	59	65	68	70	64	56	60	61	65	57	69	51	55	58	53	55	51	57	62.3
New Cumberland	Maximum	89	93	96	95	85	91	92	91	90	89	81	79	87	90	96	92	93	84	92	98	92	90	88	84	84	85	81	84	86	89	88	88.8
	Minimum	69	69	67	62	65	67	65	65	66	68	70	59	57	51	70	71	72	61	58	65	64	66	61	67	53	54	58	53	51	54	61	62.5
New Martinsville	Maximum	87	91	90	92	90	93	95	93	90	89	83	82	90	92	92	95	92	87	92	94	89	85	86	84	80	83	82	82	89	87	88	88.5
	Minimum	65	70	66	70	65	66	67	66	68	67	67	66	57	55	67	68	69	60	55	60	60	65	60	65	50	50	55	54	53	52	55	61.7
Parkersburg	Maximum	78	87	88	90	81	91	90	91	92	92	84	81	86	91	92	92	88	81	86	88	89	86	89	82	78	85	82	82	84	86	86	86.4
	Minimum	70	69	70	68	67	68	69	71	71	70	71	65	59	61	72	71	70	65	59	61	62	66	63	66	57	58	60	58	57	55	58	64.7
Parsons	Maximum	84	92	89	89	89	94	89	88	83	83	85	82	88	89	90	92	88	84	..	89	80	..	..	..	..	..	..	..	..	..	..	87.4
	Minimum	62	68	68	68	70	68	66	63	68	65	70	60	56	57	61	67	67	63	55	56	56	56	60	67	50	48	54	54	51	48	50	60.4
Pickens	Maximum	78	80	82	80	83	84	83	82	82	84	78	74	85	84	85	87	79	72	80	82	83	79	80	78	72	77	78	78	80	80	81	80.3
	Minimum	63	60	62	64	60	53	58	58	60	59	65	52	47	51	59	60	60	54	45	48	51	58	53	58	57	42	50	45	44	43	48	54.5
Wellsburg	Maximum	82	92	93	92	84	99	93	91	92	90	85	83	88	92	93	94	89	90	91	93	90	87	87	81	79	83	82	86	84	90	86	88.4
	Minimum	68	66	63	66	63	64	64	67	63	64	68	55	52	52	64	66	67	52	55	58	58	64	57	63	47	48	52	48	44	47	53	58.6
Weston	Maximum	88	91	93	91	90	94	92	88	92	92	89	84	88	92	92	94	92	85	86	89	90	85	88	87	83	85	85	85	86	88	86	88.7
	Minimum	71	69	69	71	61	69	67	66	67	68	72	62	56	57	66	67	70	64	56	59	61	62	60	66	51	52	56	54	52	50	54	62.1
Wheeling	Maximum	78	91	92	91	83	91	90	91	91	89	83	83	87	92	93	93	90	84	91	92	89	89	85	81	80	85	84	85	88	90	86	87.6
	Minimum	69	71	69	73	67	69	73	70	68	70	71	62	58	61	64	71	72	62	63	63	62	66	60	63	61	55	56	55	55	56	59	64.3
Southern Division																																	
Beckley	Maximum	80	80	76	82	84	86	86	85	87	87	80	81	85	88	88	89	87	75	82	77	84	81	82	84	78	81	82	81	84	86	80	82.8
	Minimum	62	63	64	64	58	59	62	60	62	59	65	60	50	50	59	60	62	57	45	49	50	59	50	52	50	45	52	49	49	48	51	55.6
Bluefield	Maximum	84	79	78	79	81	84	86	86	85	87	85	79	82	87	87	87	85	78	79	81	84	81	83	81	80	81	79	79	82	84	82	82.4
	Minimum	66	66	67	67	62	64	68	66	66	65	70	65	58	58	58	66	68	62	52	54	57	57	54	66	64	53	60	53	53	58	60	61.4
Charleston	Maximum	81	82	85	86	86	92	92	92	92	94	87	86	88	93	93	92	91	82	87	90	91	86	91	89	85	85	88	87	89	90	86	88.3
	Minimum	67	70	68	70	67	68	71	69	69	70	71	71	64	66	64	72	74	68	62	62	65	69	64	63	61	59	62	65	59	59	60	66.1
Gary[1]	Maximum	88	85	81	84	86	88	89	88	89	89	88	83	87	90	89	89	89	77	84	86	87	85	84	84	81	83	83	83	86	86	86	85.7
	Minimum	63	69	68	66	64	67	61	65	68	67	69	67	62	59	65	67	68	66	56	54	56	65	59	61	65	54	59	57	58	59	56	62.6
Hinton[1]	Maximum	94	88	80	93	93	93	97	91	94	96	87	88	93	95	97	97	96	84	90	93	91	90	91	90	83	90	88	87	91	91	86	90.9
	Minimum	63	65	68	66	65	67	67	65	66	66	67	64	61	58	60	67	68	64	58	58	59	60	60	61	58	53	55	57	57	56	55	61.7
Huntington	Maximum	86	83	86	87	87	92	89	92	93	93	87	88	89	94	93	93	91	84	83	91	92	88	88	89	84	87	90	85	90	89	88	88.7
	Minimum	71	70	71	71	68	71	73	69	70	72	76	70	63	63	72	73	74	64	61	62	63	68	65	68	62	60	62	60	58	57	60	66.7
Lewisburg	Maximum	79	77	77	80	81	80	86	88	88	89	86	83	85	92	92	91	88	78	85	86	87	84	85	86	80	83	83	83	84	86	85	84.4
	Minimum	66	67	68	68	66	66	68	62	64	62	70	61	54	55	62	63	65	60	51	53	53	63	55	65	52	50	55	51	54	53	54	60.0
Madison	Maximum	90	89	85	83	83	88	91	93	92	91	91	89	85	92	92	91	92	92	80	88	89	89	89	87	88	83	85	86	85	87	82	88.0
	Minimum	68	70	69	70	68	70	70	68	69	71	71	70	64	64	62	71	72	66	60	60	62	66	65	66	63	57	62	61	59	59	53	65.4
Marlinton	Maximum	83	78	80	83	85	80	85	84	85	86	81	79	83	88	89	89	85	80	82	84	85	83	89	83	77	82	82	82	83	85	84	83.4
	Minimum	62	65	66	65	64	63	61	64	64	62	60	52	52	55	59	59	62	62	50	53	53	58	55	55	48	46	46	49	52	47	49	56.7
Point Pleasant	Maximum	79	88	85	89	88	93	93	91	94	93	91	86	89	93	93	93	91	85	90	91	91	87	89	87	87	89	85	85	88	92	87	89.1
	Minimum	70	67	70	71	68	70	71	69	70	70	71	66	61	62	71	70	73	64	60	61	63	67	65	67	57	57	60	59	57	57	59	65.3
Rainelle	Maximum	77	80	80	74	76	85	80	78	86	89	77	77	78	71	86	81	80	67	76	75	65	82	77	73	77	74	78	80	85	85	82	78.4
	Minimum	59	59	64	62	62	61	61	59	61	60	61	61	53	51	58	61	61	58	49	50	51	57	54	64	49	45	49	50	47	47	46	55.8
Ravenswood	Maximum	88	85	84	87	88	92	93	88	90	90	90	83	89	90	91	92	92	84	87	87	89	88	87	87	88	84	86	86	75	87	85	87.5
	Minimum	69	61	69	72	67	67	68	68	69	69	69	66	57	59	70	69	72	64	56	58	59	64	62	59	52	55	56	54	55	52	55	62.6
Richwood	Maximum	85	79	78	84	85	88	86	86	88	87	80	80	85	89	88	89	85	76	82	84	84	81	83	84	76	82	82	80	83	85	84	83.5
	Minimum	66	67	69	66	65	63	64	60	62	64	65	54	52	56	63	64	61	51	52	52	58	57	59	53	53	50	50	51	50	52	54	58.2
Robertsburg[1]	Maximum	80	90	92	84	83	95	90	89	96	95	82	85	92	95	94	94	93	85	91	92	93	86	88	87	76	84	86	86	89	84	85	88.4
	Minimum	69	68	71	67	68	72	68	71	68	70	71	68	61	61	66	69	72	65	59	60	62	65	64	66	59	57	59	57	57	55	57	64.6
Ryan	Maximum	75	80	80	85	80	90	90	90	90	90	75	83	85	90	90	90	90	80	85	85	88	85	85	87	80	87	86	87	85	87	87	85.4
	Minimum	62	64	68	67	65	66	68	65	65	66	68	64	55	56	65	65	68	62	55	55	56	63	59	63	51	51	53	52	49	48	57	60.4
Spencer[1]	Maximum	80	88	89	91	87	93	94	91	92	93	82	84	88	93	92	93	93	82	86	92	91	87	70	80	85	88	87	85	89	90	88	87.8
	Minimum	67	68	70	70	66	68	70	68	68	68	72	66	68	57	68	68	72	66	58	57	59	65	61	65	53	60	61	54	51	51	54	63.5
Sutton	Maximum	87	89	89	90	90	90	93	93	90	92	92	85	89	92	92	92	92	92	86	90	90	90	81	86	86	85	85	84	88	89	89	89.1
	Minimum	70	67	68	69	65	66	65	64	63	65	64	66	55	56	63	65	68	63	55	55	58	63	66	60	55	56	54	58	60	57	55	61.7
Union	Maximum	84	82	77	80	84	85	86	87	86	86	87	80	82	88	89	90	89	85	80	84	88	86	86	84	86	82	82	82	83	84	85	84.5
	Minimum	61	66	65	65	62	63	66	61	63	61	67	62	53	54	60	62	65	62	49	49	51	56	50	54	50	48	52	48	50	52	53	57.4
White Sulphur Spgs.	Maximum	83	77	77	85	89	88	89	87	89	88	86	92	89	90	87	89	84	73	78	78	83	82	80	83	79	78	78	78	80	80	81	83.2
	Minimum	61	67	65	65	64	65	68	64	64	62	64	61	53	55	58	66	64	52	52	52	58	58	56	58	50	46	57	50	51	54	49	58.4
Williamson[1]	Maximum	88	84	84	85	89	92	94	91	92	94	88	87	91	94	93	95	92	82	86	90	92	87	88	91	85	87	88	84	88	89	88	89.0
	Minimum	67	71	68	69	65	69	71	68	70	73	72	72	67	62	71	72	72	68	61	61	61	66	66	67	68	59	63	63	62	61	60	66.6

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.190	.024	.278	.191	.042	.198	.286	.180	.149	.143	.163	073	.223	.206	.185	.077	.189	.183	.220	.054	.196	.216	.157	.089	.378	.162	.200	.082	.067	.197	.142	5.140
	Wind movement	14	44	24	23	20	25	16	15	18	12	53	38	29	13	16	28	20	64	33	8	1	22	29	34	45	20	27	47	10	16	12	776

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 9-29-38—900)

7.05
VWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., SEPTEMBER 1938 No. 9

GENERAL SUMMARY

The month averaged somewhat below normal in temperature. About one-third of the reporting stations, principally in the Tygart Valley and the southern division, reported temperature in excess of normal. The cool periods were the 2-3d and 19th-22d, but no frost was reported.

Precipitation averaged slightly above normal for the State, the only deficiencies occurring in the Tug Fork, Guyandot, West Fork and Monongahelia Valleys and a few scattered localities elsewhere, mainly near the central Virginia border line. The drought that started about the middle of August was broken in the eastern border Counties on the 1st and generally throughout the State during the middle decade of September, when most of the rainfall of the month occurred, with fourteen stations reporting 24-hour amounts of two inches or more. However, a return to droughty conditions was in evidence at the close of the month.

High winds, attending a severe thunderstorm, caused much damage at Moundsville on the 7th. Trees and power line poles were toppled; many tents at the county fair collapsed and rain ruined the contents; one building almost demolished by falling tree.

Weather conditions were generally favorable for crop growth and harvesting. Fall plowing proceeded and some cover crops were sown.

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 65.8°, or 0.6° below the normal. The mean for the northeastern panhandle division was 63.6°; for the northern division, 65.2°; and for the southern division, 67.3°. The highest monthly mean was 71.8° at Bancroft and the lowest, 57.5° at Bayard. The highest temperature was 95° at Bens Run on the 4th, Martinsburg on the 5th and Point Pleasant on the 6th and the lowest, 28° at Bayard on the 26th. The greatest daily range was 50° at Bayard on the 26th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 3.59 inches, or 0.67 inch above the normal. In the northeastern panhandle division the average was 3.45 inches; in the northern division, 3.57 inches; and in the southern division, 3.97 inches. The greatest monthly precipitation was 7.30 inches at Spruce Knob and the least, 1.63 inches at New Martinsville. The greatest amount in any 24 consecutive hours was 3.52 inches at Huntington on the 13th. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	12	8	4	2	4	..	2	2	..	3	4	..	2	2	2	1	4	5	7	1	1	1	4	8	5	4	13	8	3	..
Gales	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	1	..	..	..	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	6	..	..	..	..	..	12	2	..	1	1	15	8	11	1	..	..	1	..	..	5	..	..	..	..	1	3	1	1	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.02	30.25	25	29.56	14	6.3	21	sw.	14	89	63	70	60
Columbus, Ohio	30.02	30.27	25	29.54	14	8.1	33	w.	12	83	55	58	55
Elkins	30.06	30.32	6	29.66	15	4.8	19	nw.	21	91	61	81	49
Parkersburg	30.01	30.28	25	29.60	14	5.6	21	nw.	12	85	58	67	50
Pittsburgh, Pa	30.02	30.33	25	29.57	14	9.7	29	w.	12	85	55	63	57
Wytheville, Va	30.06	30.28	6	29.70	14	5.4	19	nw.	21	88	62	78	34

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8	......	......	0.38	2.20	0.84	1.66	0.0	......	......	......	......
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	......	......	......
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	......	......	......
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	**22**	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	65.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	**22**	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
Period	66.4	107	22	2.78	3.06	2.77	2.92	T.	7	14	8	8

Climatological Data for September 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	57.5	−3.4	82	5	28	26	50	3.76	+0.45	0.84	0.0	14	10	8	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	67.6	+2.9	89	1	45	21	36	2.20	−.18	.65	.0	6	13	0	17	sw.	E. L. Keister
Harpers Ferry	Jefferson	244	49	....	....	....	....	....	....	....	3.77	+1.11	1.22	.0	13	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	6	63.3	....	82	2	40	26	35	1.95	....	.92	.0	4	8	10	12	w.	H. W. Prettyman
Kearneysville	Jefferson	548	8	64.7	....	91	†4	38	26	37	3.37	....	1.05	.0	13	9	12	9	n.	University Exper. Station
Martinsburg	Berkeley	435	46	65.8	−1.1	95	5	44	27	40	3.97	+1.05	1.00	.0	11	20	6	4	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	62.6	−3.2	91	5	35	26	45	3.29	+1.01	.91	.0	9	8	10	12	w.	R. E. Saville
Piedmont	Mineral	1,053	25	63.0	−2.7	89	4	40	26	37	3.06	+.65	1.29	.0	12	10	4	16	s.	C. A. Suter, Jr.
Romney	Hampshire	824	40	65.1	−1.7	92	5	40	26	40	3.93	+1.25	1.25	.0	13	7	11	12	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	....	....	....	....	....	....	....	7.30	....	1.84	.0	13	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	18	....	....	....	....	....	....	....	2.23	−.55	.65	.0	7	2	7	21	w.	A. C. Becker
Wardensville	Hardy	1,200	17	63.2	−1.0	90	†4	37	†22	44	2.57	−.02	.50	.0	15	5	16	9	....	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	....	....	....	....	....	....	....	3.16	−.15	.95	.0	10	7	12	11	w.	L. Esle Bond
Alma (near)	Tyler	800	11	....	....	....	....	....	....	....	2.99	+.02	1.40	.0	8	13	4	13	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	60.4	....	85	6	39	22	41	5.35	....	1.50	.0	17	8	13	9	w.	Christian Hertig
Benson	Harrison	1,080	14	65.3	−1.6	91	6	40	21	45	2.83	−.80	1.25	.0	9	6	14	10	....	R. D. Marts
Bens Run	Pleasants	652	36	68.9	+.5	95	4	48	†21	38	3.43	+.84	1.04	.0	8	15	7	8	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	66.4	−1.2	90	6	36	†21	49	3.03	−.72	.67	.0	11	7	12	11	....	M. D. Hawkins
Buckhannon	Upshur	1,411	41	65.9	+1.4	83	6	46	22	28	3.66	+.70	.98	.0	12	11	13	6	....	H. A. Darnall
Cairo	Ritchie	680	37	66.8	−1.3	92	6	45	†4	42	4.47	+1.67	1.85	.0	7	10	10	10	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	65.7	−1.8	92	6	45	†21	43	2.25	−1.35	.84	.0	12	11	3	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	....	....	....	....	....	....	....	3.23	−.51	1.43	.0	11	12	7	11	sw.	George W. Blair
Creston	Wirt	640	36	65.2	−2.6	88	†5	44	23	38	2.97	+.28	1.25	.0	8	13	12	5	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	17	....	....	....	....	....	....	....	3.00	−.52	1.23	.0	11	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	22	....	....	....	....	....	....	....	....	....	....	.0	....	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	17	....	....	....	....	....	....	....	1.98	−1.21	.76	.0	10	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	22	....	....	....	....	....	....	....	3.91	+1.25	2.40	.0	8	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	22	....	....	....	....	....	....	....	4.87	+2.28	3.18	.0	9	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	26	....	....	....	....	....	....	....	3.65	+1.06	1.32	.0	7	..	....	....	....	Lockmaster
Elkins	Randolph	1,927	37	63.5	+.5	85	6	43	26	39	4.64	+1.49	1.87	.0	15	6	4	20	se.	U. S. Weather Bureau
Fairmont	Marion	883	32	66.2	−1.2	91	4	46	26	39	2.64	−.31	1.63	.0	9	13	3	14	w.	J. C. Robinson
Glenville	Gilmer	738	44	67.6	−.9	94	7	46	†21	42	4.84	+1.62	2.02	.0	9	8	12	10	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	67.8	+.7	93	7	46	†3	41	2.07	−.54	.86	.0	12	14	5	11	ne.	L. W. Clayton
Hastings	Wetzel	809	3	....	....	....	....	....	....	....	2.87	....	.88	.0	11	11	16	3	w.	L. G. McIntyre
Horner	Lewis	1,044	15	....	....	....	....	....	....	....	3.02	−.51	.75	.0	9	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	15	....	....	....	....	....	....	....	3.04	−.20	1.13	.0	12	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	65.4	.0	91	4	41	3	43	2.73	−.26	.99	.0	9	12	6	12	w.	Allen Smith
Mannington	Marion	974	35	63.6	−1.3	87	4	40	25	39	2.13	−1.26	.62	.0	13	10	7	13	w.	James A. Morgan
Morgantown	Monongalia	1,300	45	63.6	−3.9	88	5	40	25	41	2.77	−.10	.49	.0	12	22	3	5	....	Bruce Davis
New Cumberland	Hancock	671	40	65.4	−.1	92	4	42	28	39	4.10	+1.19	1.42	.0	11	6	7	17	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	65.0	−3.5	92	6	43	23	40	1.63	−1.40	.92	.0	6	8	12	10	s.	Wm. Ankrom
Parkersburg	Wood	615	51	68.0	+.7	90	4	44	20	31	3.61	+.85	1.83	.0	9	9	8	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	c64.4	+.7	....	....	43	26	f41	2.94	−.21	1.05	.0	8	12	1	17	....	J. W. Swisher
Philippi	Barbour	1,550	41	....	....	....	....	....	....	....	2.37	−.93	.59	.0	11	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	35	61.0	−.8	83	6	40	22	31	7.09	+2.99	2.20	.0	14	16	8	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	....	....	....	....	....	....	..	3.53	+.13	.96	.0	11	14	6	10	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	50	....	....	....	....	....	....	....	5.08	+1.60	2.22	.0	12	....	.	....	....	W. H. Bolyard
Saint Marys	Pleasants	577	30	....	....	....	....	....	....	....	2.44	−.26	1.16	.0	9	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	37	j59.9	−1.9	j84	4	j35	26	j41	....	....	....	.0	..	....	....	....	....	Hopemont Sanitarium
Thomas	Tucker	2,950	9	....	....	....	....	....	....	....	3.64	....	1.05	.0	12	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	15	66.7	−1.3	92	7	45	†3	41	3.90	+.58	1.52	.0	12	8	12	10	w.	S. A. Spence
Vandalia	Lewis	1,120	15	....	....	....	....	....	....	....	4.48	+1.21	1.78	.0	8	..	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	31	63.8	−1.1	90	4	38	3	45	4.43	+1.44	1.53	.0	11	15	10	5	....	George P. Pfister
West Milford	Harrison	979	13	....	....	....	....	....	....	....	2.69	−.58	1.01	.0	8	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	43	67.3	.0	90	6	45	21	39	3.13	+.50	.94	.0	13	2	14	14	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	65.6	−1.8	91	4	46	†25	39	4.69	+1.77	2.74	.0	9	8	8	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	....	....	....	....	....	....	....	3.48	+.95	.77	.0	10	9	3	18	w.	H. S. Sutton
Bancroft	Putnam	574	34	71.8	+3.4	92	†4	45	†21	33	5.77	+2.89	2.05	.0	10	8	9	13	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	63.4	+.2	85	5	37	22	34	3.28	+.74	1.33	.0	11	9	12	9	....	L. A. Mauck
Bluefield	Mercer	2,558	43	65.9	−.3	84	5	42	22	32	3.96	+1.64	1.31	.0	11	8	7	15	....	Norfolk & Western Ry.
Charleston	Kanawha	602	35	69.7	−1.2	91	†5	49	†22	32	4.86	+1.88	1.76	.0	10	15	5	10	....	Charleston Daily Mail
Clay	Clay	790	22	....	....	....	....	....	....	....	3.44	+.22	1.38	.0	10	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	..	61.8	....	82	5	40	22	24	4.42	....	1.43	.0	12	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	22	67.8	−.7	88	†7	43	22	33	3.72	+.73	1.50	.0	9	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	68.8	....	94	6	43	21	36	5.42	....	2.03	.0	8	10	9	11	sw.	State Forest Nursery
Hinton	Summers	1,431	41	67.8	−.2	91	5	41	22	39	3.06	+.37	.93	.0	12	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	22	....	....	....	....	....	....	....	5.87	+3.69	2.05	.0	7	....	....	....	....	Lockmaster
Huntington	Cabell	571	41	70.3	+1.3	92	5	47	†20	31	6.29	+3.84	3.52	.0	10	3	16	11	sw.	H. N. Robinson
Institute	Kanawha	616	..	68.7	....	92	5	45	22	34	5.03	....	2.63	.0	10	....	....	....	....	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	19	....	....	....	....	....	....	....	2.92	−.24	1.00	.0	4	....	....	....	....	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	65.0	+.7	88	5	42	22	33	2.82	+.13	.57	.0	11	8	9	13	....	J. K. Monroe
Logan	Logan	700	35	....	....	....	....	....	....	...	1.90	−1.25	.76	.0	10	....	....	....	....	Paul A. Simonds
London Locks	Kanawha	623	2	69.6	....	89	5	47	22	30	3.59	....	1.29	.0	8	15	0	15	se.	Lockmaster
Madison	Boone	675	17	69.4	+1.7	92	7	44	22	34	4.52	+1.06	1.59	.0	9	6	14	10	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	64.0	+2.8	84	5	42	22	33	2.96	−.05	.80	.0	11	7	11	12	....	U. S. Forest Service
Point Pleasant	Mason	595	45	69.8	+3.9	95	6	46	†20	38	4.45	+2.04	1.44	.0	9	10	12	8	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	62.8	....	86	5	37	22	38	6.56	....	1.90	.0	14	12	0	18	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	67.8	−1.6	92	5	40	20	38	3.84	+1.54	2.60	.0	6	10	4	16	ne.	Lockmaster
Richwood	Nicholas	2,193	8	64.4	....	84	5	45	†20	31	4.55	....	1.66	.0	12	3	8	19	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	69.6	+1.2	94	6	45	22	35	3.71	+1.25	1.34	.0	9	14	0	16	....	M. Frazier
Ryan	Roane	700	35	67.1	+2.5	90	†5	41	21	46	5.01	+2.01	2.35	.0	6	13	8	9	....	Wm. E. Ryan
Spencer	Roane	789	34	68.0	+1.5	94	6	44	21	40	4.30	+1.42	2.00	.0	9	9	12	9	....	A. M. McKown
Summersville	Nicholas	1,894	5	....	....	....	....	....	....	....	2.11	....	.45	.0	8	....	....	....	....	Mrs. Anna Taylor
Sutton	Braxton	850	32	68.6	−.1	92	†6	46	22	35	5.15	+1.80	1.90	.0	9	....	....	....	....	C. B. Eakle
Union	Monroe	2,250	34	66.6	+.5	88	†5	40	22	34	3.64	+1.09	.80	.0	11	7	16	7	....	C. B. King
Wayne	Wayne	598	11	....	....	....	....	....	....	....	2.24	−.85	.75	.0	7	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	63.4	−1.5	82	7	40	22	28	3.75	+.91	1.05	.0	10	9	6	15	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	38	69.8	+.1	94	6	47	†21	34	2.43	−.56	.54	.0	11	8	13	9	ne.	J. E. Dotson
State averages and	extremes	....	....	**65.8**	**−.6**	**95**	**†4**	**28**	**26**	**50**	**3.59**	**+.67**	**3.52**	**.0**	**10**	**10**	**9**	**11**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days, etc. † Also on other dates.

Daily Precipitation for September 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac	.46							.84			.05	.06	.60	.23	.52	.13	.22	.01		.47		.08	.06					.03				3.76
Brandywine	do	.05											.30		.65			.45			.60								T.		.15		2.20
Harpers Ferry[1]	do	.77							.83			.04	.06	.06		.10	.01	.13	.12	.08	.07	1.22		T.							.28		3.77
Inwood	do							.82							.16			.05			.92										T.		1.95
Kearneysville	do	.61						.03	.64			.12	.09	.04	.13	.05		.15	T.		1.05			.02	.03						.41		3.37
Martinsburg[1]	do	.85							.50			.70	.15			.22		.10	.10		.12	1.00		.05							.18		3.97
McNeill	do	.10						T.	.48			.14	.78	.10	.37	T.	T.	.91			.38	.03	T.					T.	T.	T.			3.29
Piedmont	do							T.	1.29			.20	.55	.24		.04		.43	.01		.15	.03		.02			.09	.01					3.06
Romney	do	.60							.46			.20	.23	.16	.34	.10		1.25			.45	.03	.02	.04				.05					3.93
Spruce Knob[1]	do	1.25							.17	.12		T.	T.	1.28	.29	1.84	.19	.77	.13		.34	.49	.22								.21		7.30
Stony River Dam[1]	do								.40						.15	.65		.56				.32	.10								.05		2.23
Wardensville[1]	do	.45							.50	T.		.26	.04	.24	.04	.12	T.	.17	.01	.02	.11	.46		.03				.02			.10		2.57
Northern Division																																	
Aberdeen	West Fork							.12					.06	.95	.91	.30	T.	.09			.13	.26	.18	T.					.16				3.16
Alma (near)	Ohio							.35					.53	1.40	.24	.06				.18		.18	.05										2.99
Alpena	Cheat	.82						.25	.21			.06	.12	.58	1.50	.27	.18	.49			.10	.20	.31	.03				.02	.11		.10		5.35
Belington[1]	Tygart	.13							.07				.01	.28	.21	.92	.19	.12	.02		.19	.03	.22	.02					T.	.03			2.44
Benson	West Fork	.05						.18					.11	1.25	.77	.20					.09		.13	.05									2.83
Bens Run	Ohio							1.04					.65	.84	.30	.36		T.		.10	T.	.10	.04										3.43
Brownsville	West Fork	.35						.35	.52				.22	.67		.21		.15			.11		.12	.03					.30				3.03
Buckhannon	Tygart	.42						.44	.03				T.	.50	.98	.24	T.	.08		T.	.07	.30	.24					.19	.17				3.66
Cairo	Litl. Kanawha	.15							1.85					.92	.77	.45				.10		.23											4.47
Clarksburg[1]	West Fork	.40							.10					.84	.17	.35	.02	.11			.07		.07	.05					.02	.05			2.25
Crawford	do	.18						.22					.05	.67	1.43	.38	T.	.06		.01	.07	.13				.03		T.					3.23
Creston[1]	Litl. Kanawha	T.							.10					1.23	.18	1.25	.02	T.			.15		.02	T.					.02				2.97
Dam 10, Mon. R.[1]	Monongahela	.56							.25					1.23	.20	.08	.13	.13	.08		.15		.10	.09									3.00
Dam 13, O. R.[1]	Ohio														.30	.30				.09	.11		.02	.01									††
Dam 15, Mon. R.[1]	Monongahela	.23							.39					.76	.11	.14	.07	.10	.02		.10		T.	.06									1.98
Dam 19, O. R.[1]	Ohio								.22					2.40	.16	.14	.22			.60	.14		.03	T.									3.91
Dam 20, O. R.[1]	do	.05							.11					3.18	.55	.40	.02			.39	.10		.07										4.87
Elizabeth (D'm 3 LK[1]	Litl. Kanawha							.15					1.32	.71	1.23	T.			T.	.10		.10	T.					T.	.04	T.			3.65
Elkins[2]	Tygart	1.06						.14	T.			T.	.09	.27	1.87	.28	.04	.25		.02	.12	.38	.03					T.	.02	.06	.01		4.64
Fairmont[1]	Monongahela							1.63					.39	.09	.15	.07	.09			.12		.03	.07										2.64
Glenville[1]	Litl. Kanawha	.08							2.02					1.11	.14	1.10		T.			.19		.11	.03		.06							4.84
Grafton	Tygart	.12							.18				.05	.86	.15	.21	.03	.15			.19	.03	.03	.07									2.07
Hackers Creek	West Fork	.08						.03					.08	1.05	.40	.59	.25			.25	.20		.07		.14								3.14
Hastings	Ohio	.04						.15	.44				.15	.88	.28	.41			.18	.18	.08	.04		.04				T.					2.87
Horner	West Fork	.27						.23					.50	.20	.75	.50		.15					.35						.07				3.02
Ireland	do							.70					.14	.58	1.35	.20				.12		.28											3.37
Jackson's Mill	do							.03						.65	1.80						.22		.70										3.40
Jane Lew	do							.05	.03				.10	1.13	1.04	.27	T.				.09	.21	.08	.01	.01			.02					3.04
Lost Creek	do	.05						.03					.05	.99	.86	.36	T.	T.		.18		.17	.04	T.									2.73
Mannington	Monongahela	.15						.62	.01				.13	.51	.19	.08		.07		.21	.04	.03	.07	.02									2.13
Morgantown	do	.19						.36	.19				.49	.43	.08	.39		.21			.15	.16	.09	.03				T.					2.77
New Cumberland	Ohio							.08	.18			.02	1.42	.62	.54	.16				.95		.06	.05	.02									4.10
New Martinsville	do							.28					.10	.92	.18	.05				.10													1.63
Parkersburg[2]	do							.89				T.	1.29	.54	.32	.18			.21	.12	T.	.05	.01										3.61
Parsons	Cheat							.23			T.		.90	T.	1.05	.09	.18			.15		.16						T.	.18				2.94
Philippi[1]	Tygart	.49												.12	.26	.59	.38	.20	.01		.09		.14	.06					.03				2.37
Pickens	do	.18					.24	.15	1.85				.14	.50	2.20	.60	.18				.23	.36	.10						.07		.29		7.09
Roanoke	West Fork	.27						.28	.40				.09	.70	.96	.24		.17			.21	.14							.07				3.53
Rockford	do							T.					.11	.99	1.01	.50	.12			T.	.13	.18	.09					T.					3.13
Rowlesburg[1]	Cheat	.49							1.26					2.22	.21	.30	.02	.22	.05		.12	.04	.03	.12									5.08
Saint Marys[1]	Ohio								.55					1.16	.16	.11	.14			.04	.10	.04	.14										2.44
Terra Alta[1]	Cheat								1.00				.06	1.02	.25	.40	T.																††
Thomas[1]	do	.28							.33					1.05	.18	.82	.26	.26	.20		.09		.08	.07				.02					3.64
Valley Chapel	West Fork							.10	.10				.05	1.13	1.52	.40			.04		.09	.06	.12	.02						.27			3.90
Vandalia	do	.28						1.26						.52	1.78	.26				.14	.13	.11											4.48
Wellsburg (near)	Ohio							.15	.06		.08		1.53	.47	.92	.19				.56		.38	.05	.04									4.43
West Milford	West Fork	.10											1.01		.70		.35	.08				.31	.08	.06									2.69
Weston[1]	do	.02							.36					.94	.39	.76	.02	.07			.12		.28	.05			.02	.04	.06				3.13
Wheeling (Dam 12)[1]	Ohio								.87			T.	.05	2.74	.37	.25				.18	.14		.07	.02									4.69
Southern Division																																	
Arbovale[1]	Greenbrier	.60		T.				.14						.62	.62	.04	T.	.77			.42	.07						.03			.17		3.48
Bancroft	Gr. Kanawha							.10					1.30	1.70	2.05	.14				.12	.04	.24						.05	.03				5.77
Beckley	New	.15						.04	.06				.06	.64	.52	.14	.09					.15	T.					.10		1.33			3.28
Bluefield	do	.42											.05	.74	.13	.63	.12	.10			.17	T.	.02					.27			1.31		3.96
Camden-on-Gauley[1]	Gauley	.49							.96					.70	.22	.97	.20				.20		.13						.06		.13		4.06
Charleston[1]	Gr. Kanawha	.41							.45			T.		1.37	.66	1.76	.03	.01			.07		.07						.03				4.86
Clay[1]	Elk	.08							.20					.96	.28	1.38	.41	.04			.01		.06								.02		3.44
Flat Top[1]	New	.27	.24		T					.04		T.		.30	.81	1.02	.08	.09			.03		.10					.01			1.43		4.42
Gary[1]	Big Sandy		.28						.04			.01		.54	.02	1.50	.10									.02					1.21		3.72
Greenbottom[1]	Ohio								T			.03		1.52	2.03	1.42	.04			.23	.13		.02										5.42
Hinton[1]	New	T.	.12						.04					.29	.17	.68	.07	.15	.08		.29		.04					.20			.93		3.06
Hogsett[1]	Ohio													2.05	1.42	1.57	.01			.55	.12		.15										5.87
Huntington	do	.07						.20	T.		.08		.38	3.52	1.23	.42		T.		.34		T.	.01						.04				6.29
Institute[1]	Gr. Kanawha	.36							.14			.04		1.65	1.15	1.29	.01	T.			.10		.11						.18				5.03
Kanawha Falls[1]	do	.80							T.					.98	1.00	T.															.14		2.92
Lewisburg	Greenbrier	.10						.02	.21				.07	.25	.45	.46	.03	.57	T.	T.	.26	T.									.40		2.82
Logan[1]	Guyandot	.30							.08			.16		.76	.11	.05	.02	.14		T.			T.					.06	T.		.22		1.90
London Locks[1]	Gr. Kanawha	.73							.10					1.29	.54	.67	.14	T.					.02								.10		3.59
Madison[1]	Coal								.36					1.59	.94	.30	.19	.03			.06		.03								1.02		4.52
Marlinton	Greenbrier	.12						.01	.15				.11	.36		.80	.05	.65		T.	.26		.04								.41		2.96
Point Pleasant[1]	Ohio								.05			.14		1.12	.36	1.44	.20			.68	.18		.28										4.45
Rainelle	Gauley	.37						.15	1.45	T.				.90	.88	.26	.02	.09			.16	.08	.01					.01		1.90	.28		6.56
Ravenswood[1]	Ohio													2.60	.20	.73				.12	.11		.08										3.84
Richwood[1]	Gauley							1.66	.05			.05	.75	.28	.32	.11	.13			.25		.35					.12			.48			4.55
Robertsburg[1]	Gr. Kanawha	.04							T.			.03		1.34	.92	.80	.26			T.	.08		.09							.15			3.71
Ryan	do							T.					T.	1.87	2.35	.55	.02			.18		.04											5.01
Sharples[1]	Coal													.72									T.										††
Spencer[1]	Litl. Kanawha								.14					1.36	.38	2.00	.09	.03			.12		.08	T.					T.	.10			4.30
Summersville[1]	Gauley	.34												.45	.40	.36	.11	.07										.06			.32		2.11
Sutton	Elk	.15							.70					.95	1.90	.80	.35				.10		.10								.10		5.15
Thornwood[1]	Greenbrier								.20				1.00	.05	1.06	.14	.62			.16	.32	.30						T.		.15			4.00
Union	New	.07							.02				.40	.80	.36	.52		.25			.40						.30	.11			.41		3.64
Wayne[1]	Twelvepole	.06							.22			.28			.75	.69				.06				.18									2.24
White Sulp'r Spgs.[1]	Greenbrier	.15						.20					.50	.10	1.05	.10	.80					.05								.40	.40		3.75
Williamson[1]	Big Sandy				T.				.06			.31		.11	.20	.54	.09	.15			.01		.06					.45			.45		2.43
Winfield Locks[1]	Gr. Kanawha	T.							.01			.11		1.47	1.13	1.03	.11				.08	.02	.10										4.06

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. [2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. †† Incomplete.

Supplemental Rainfall Data—Total for this month: Belva.... 2.37 Elk.... 2.60 Hall.... 2.41 Kayford.... 3.36 Midvale.... 3.90 Mt. Clare.... 2.38 Parsons No. 2.... 3.63 Salem.... 3.07 Shinnston.... 1.78 Valley Head.... 5.13

Daily Temperatures for September 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	73	73	85	81	82	76	76	70	68	65	61	74	75	73	77	62	60	71	72	61	53	65	73	75	74	78	74	77	74	65	....	71.1
	Minimum	43	40	38	38	56	40	43	45	45	43	48	50	52	61	58	45	44	44	42	42	33	40	43	41	35	28	35	48	50	48	....	43.9
Brandywine	Maximum	89	85	84	88	87	84	88	80	81	80	76	85	86	84	82	78	75	76	75	70	67	75	80	82	78	80	80	84	80	81	....	80.7
	Minimum	57	49	50	52	56	50	59	60	50	48	60	61	62	61	62	55	52	56	55	52	45	47	50	52	56	54	54	57	56	57	....	54.5
Kearneysville	Maximum	82	77	75	91	85	72	91	73	71	73	62	74	83	76	88	75	66	61	69	67	64	65	79	70	68	68	86	77	70	64	....	74.1
	Minimum	67	56	55	58	61	57	54	60	52	51	58	58	63	62	67	57	51	53	52	53	49	57	52	52	46	38	57	52	55	55	....	55.3
Martinsburg[1]	Maximum	93	82	79	80	95	88	72	90	82	75	75	62	75	85	75	78	73	66	60	70	58	58	68	82	88	84	78	88	80	72	....	77.0
	Minimum	63	53	56	58	62	59	54	57	53	54	55	58	60	63	63	58	50	50	55	55	49	45	48	52	48	45	44	55	58	55	....	54.7
McNeill	Maximum	81	78	85	88	91	77	86	75	71	68	65	73	83	76	80	73	64	72	68	66	63	65	81	85	74	78	83	80	71	64	....	75.5
	Minimum	62	45	43	46	53	49	47	57	48	48	51	58	59	61	62	48	58	48	54	50	39	38	46	40	39	35	45	53	56	55	....	49.8
Piedmont	Maximum	79	75	82	89	86	70	83	70	71	64	68	69	79	70	79	68	54	67	67	57	59	62	75	81	80	72	79	76	69	61	....	72.0
	Minimum	64	53	47	52	63	52	50	58	53	54	54	63	64	64	64	53	50	55	50	53	42	48	52	51	50	40	52	53	58	57	....	54.0
Romney	Maximum	80	81	84	91	92	79	91	82	74	72	69	72	84	71	83	68	63	65	67	67	63	63	77	81	79	76	83	78	75	65	....	75.8
	Minimum	65	53	49	56	63	54	51	59	53	54	57	60	66	64	64	53	50	53	59	53	43	48	52	50	43	40	51	55	58	57	....	54.4
Wardensville[1]	Maximum	79	78	80	90	90	77	90	71	71	66	67	77	82	77	84	67	58	71	69	58	63	68	79	84	72	81	83	79	68	59	....	74.6
	Minimum	65	50	50	49	57	55	52	56	49	48	55	58	63	62	64	52	50	51	53	52	40	37	49	41	44	37	51	50	57	55	....	51.7
Northern Division																																	
Bens Run	Maximum	89	85	89	95	90	93	91	77	85	84	81	86	79	82	74	73	75	80	67	66	63	60	79	84	81	85	81	83	76	73	...	80.2
	Minimum	58	54	52	63	61	55	65	64	61	61	66	66	67	68	63	56	57	59	56	50	48	48	57	53	49	51	59	54	53	53	....	57.6
Buckhannon	Maximum	80	74	73	82	82	83	82	75	76	77	73	78	78	75	78	70	71	75	71	61	60	60	71	76	75	78	75	76	72	67	....	74.1
	Minimum	63	53	48	57	60	58	59	65	59	56	63	62	66	65	68	58	57	67	53	53	50	46	57	50	55	50	56	55	60	60	....	57.7
Clarksburg[1]	Maximum	83	76	84	89	86	92	85	74	81	82	75	84	78	78	77	68	74	80	68	66	60	59	78	82	77	85	78	80	74	72	....	77.5
	Minimum	57	49	46	48	58	49	56	64	57	59	61	62	66	65	69	55	55	55	54	48	45	47	49	48	46	45	46	49	54	55	....	53.9
Creston	Maximum	84	85	81	81	88	86	88	74	82	75	75	84	85	78	78	69	72	74	73	65	59	59	67	79	72	75	84	75	75	76	....	76.6
	Minimum	50	56	48	50	55	56	60	65	57	50	62	61	64	65	65	55	57	55	54	49	48	45	44	46	50	51	46	52	54	48	....	53.9
Elkins	Maximum	76	72	76	83	81	85	81	76	74	76	71	79	73	76	75	62	68	76	72	60	54	57	74	77	76	82	76	78	73	64	....	73.4
	Minimum	61	51	48	52	56	51	62	60	57	53	59	61	64	62	59	52	54	52	49	50	43	44	52	48	45	43	54	56	60	50	....	53.6
Fairmont	Maximum	82	75	84	91	87	87	87	75	78	76	77	80	77	77	78	68	70	81	68	62	60	59	78	84	80	85	78	80	75	71	....	77.0
	Minimum	64	52	47	52	60	51	57	61	59	60	63	65	67	66	68	56	54	54	55	49	47	48	49	53	48	46	53	53	53	56	....	55.5
Glenville	Maximum	85	86	82	91	87	92	94	74	82	81	79	81	82	83	72	72	74	81	80	62	63	58	81	84	83	82	82	83	85	70	....	79.7
	Minimum	66	52	50	50	56	50	59	65	60	54	64	63	65	66	67	58	57	57	54	51	46	46	46	49	50	49	53	52	57	53	....	55.5
Grafton	Maximum	82	84	86	84	92	91	93	85	83	84	82	80	83	80	81	76	71	83	82	69	66	60	78	81	85	85	87	82	81	74	....	81.0
	Minimum	65	51	46	53	57	50	57	63	56	57	62	61	66	64	69	54	54	55	51	53	48	48	48	48	46	46	52	50	54	56	....	54.7
Lost Creek	Maximum	84	78	83	91	90	90	84	74	80	82	80	81	79	75	71	68	71	78	75	64	61	61	71	78	80	84	78	80	76	71	....	77.3
	Minimum	63	45	41	55	57	47	59	63	55	55	59	61	65	63	61	55	55	55	52	48	43	45	45	48	50	44	55	49	53	55	....	53.4
Mannington	Maximum	77	74	79	87	84	84	82	74	75	75	74	79	74	76	75	67	69	76	70	60	57	58	74	79	73	80	76	78	74	70	....	74.3
	Minimum	61	48	43	51	54	45	55	61	56	59	63	62	65	66	67	53	55	54	55	49	45	49	44	45	40	43	51	51	48	50	....	52.9
Morgantown	Maximum	79	78	80	83	88	85	82	80	79	80	78	75	75	76	75	70	70	80	72	62	62	59	77	78	81	80	80	81	77	68	....	76.3
	Minimum	60	50	47	55	54	46	59	55	52	53	60	60	61	59	60	50	46	49	50	45	43	41	47	48	40	42	53	46	43	49	....	50.8
New Cumberland	Maximum	79	75	81	92	85	86	86	79	80	83	83	80	80	78	82	67	75	77	65	68	62	57	80	80	76	84	73	78	72	70	....	77.1
	Minimum	61	50	47	62	53	52	55	57	56	60	68	68	67	59	60	52	50	53	56	45	48	48	49	54	45	45	58	42	47	47	....	53.8
New Martinsville	Maximum	82	75	82	90	82	92	86	80	82	81	82	85	80	80	72	70	73	78	64	60	60	58	70	75	75	75	78	79	74	65	....	76.2
	Minimum	60	52	48	55	57	52	58	60	55	60	65	63	65	65	65	50	53	55	54	45	45	45	43	48	47	48	50	51	50	50	....	53.8
Parkersburg	Maximum	82	75	82	90	85	88	88	72	81	79	81	85	81	80	77	71	74	77	63	65	59	60	79	83	77	85	80	77	76	70	....	77.4
	Minimum	65	55	53	63	64	58	70	62	61	60	67	66	67	70	61	56	59	60	49	44	48	48	55	60	55	54	61	57	55	53	....	58.5
Parsons	Maximum	..	..	..	..	..	..	81	77	74	74	70	80	77	77	77	75	77	80	78	66	59	56	76	80	81	84	79	80	72	66	...	74.8
	Minimum	55	49	50	50	50	50	50	65	55	58	59	63	63	62	63	63	60	51	59	51	49	49	45	45	44	43	50	57	61	50	....	54.0
Pickens	Maximum	71	72	72	81	82	83	76	65	76	71	69	74	73	74	71	65	67	71	72	69	51	50	70	72	72	76	74	76	75	65	....	71.2
	Minimum	53	43	43	50	52	57	54	60	52	57	55	57	58	57	58	51	52	50	48	44	42	40	44	43	45	45	52	54	60	50	....	50.9
Wellsburg	Maximum	81	74	83	90	84	88	85	80	81	83	86	80	85	79	76	71	72	80	70	62	57	59	78	82	77	86	79	80	72	70	....	77.7
	Minimum	55	44	38	53	48	46	51	57	56	53	60	65	65	57	65	48	50	52	54	41	45	45	45	46	39	41	52	39	41	42	....	49.8
Weston	Maximum	82	81	80	88	88	90	85	79	82	83	76	81	81	76	81	73	74	79	66	65	65	62	77	82	77	84	83	78	78	72	....	78.3
	Minimum	67	50	47	55	59	51	62	63	69	60	56	62	66	66	69	56	57	57	54	50	45	49	47	50	52	48	56	52	57	58	....	56.3
Wheeling	Maximum	82	76	83	91	84	83	81	79	80	81	83	80	79	78	70	69	73	79	60	63	60	56	80	83	77	83	77	78	75	71	....	76.5
	Minimum	64	52	48	52	57	54	57	60	55	60	64	62	66	63	68	53	54	57	58	48	49	48	50	55	46	48	49	46	47	50	....	54.7
Southern Division																																	
Beckley	Maximum	78	77	72	83	85	84	84	79	73	71	77	79	82	80	75	67	73	76	75	63	53	58	76	76	80	80	80	82	74	67	....	75.3
	Minimum	62	44	50	49	54	51	57	61	55	48	54	56	60	64	59	53	51	54	49	42	42	37	44	47	49	48	48	50	53	52	....	51.4
Bluefield	Maximum	79	78	74	80	84	83	84	82	75	67	80	82	79	80	75	69	70	78	77	64	58	58	74	72	78	80	80	79	75	67	....	75.4
	Minimum	66	54	57	51	54	52	66	66	58	57	60	62	64	67	64	58	55	58	56	50	46	42	50	53	51	53	53	56	58	56	....	56.4
Charleston	Maximum	84	83	82	89	91	91	89	83	75	78	78	81	82	84	78	67	77	81	69	65	60	64	79	84	85	85	87	86	79	68	....	79.5
	Minimum	64	60	59	61	59	62	65	70	62	59	63	63	67	68	67	62	61	60	60	51	50	49	59	55	57	57	57	60	61	49	....	59.9
Gary[1]	Maximum	80	79	77	84	87	87	88	81	75	75	80	85	84	88	78	68	78	79	77	64	58	61	77	80	83	85	82	85	76	70	....	78.4
	Minimum	62	60	57	58	56	57	60	64	65	59	60	65	67	67	65	63	59	58	53	51	50	43	46	47	51	53	53	53	57	59	....	57.3
Hinton[1]	Maximum	85	83	72	90	91	88	90	86	69	72	87	87	85	90	80	67	76	83	81	68	60	62	81	83	83	80	84	86	77	69	....	79.8
	Minimum	56	58	55	57	58	57	59	62	61	51	55	63	65	66	65	61	57	57	54	52	45	41	42	48	51	54	54	55	56	57	....	55.7
Huntington	Maximum	87	83	85	90	92	91	91	76	86	79	83	85	88	83	77	69	76	79	73	67	63	62	83	85	81	87	85	85	76	72	....	80.6
	Minimum	70	56	58	59	62	60	68	69	61	62	67	68	68	72	68	60	60	58	57	47	47	48	53	54	57	58	59	58	62	54	....	60.0
Lewisburg	Maximum	80	79	70	84	88	78	86	84	74	64	73	80	79	79	76	69	68	76	78	63	56	57	77	78	78	78	81	81	75	63	....	75.1
	Minimum	65	49	55	55	56	56	60	65	58	59	56	61	65	67	63	58	54	55	53	49	44	42	47	45	52	49	49	51	57	55	....	55.0
Madison	Maximum	87	82	82	89	90	90	92	88	75	80	79	81	84	81	87	82	66	78	81	65	64	60	75	82	80	84	85	84	86	74	....	80.4
	Minimum	63	59	58	61	60	58	64	68	64	57	63	66	67	68	66	61	58	57	59	51	50	44	46	48	54	55	54	59	61	54	....	58.4
Marlinton	Maximum	77	76	72	83	84	80	83	81	77	62	71	79	79	80	77	71	64	75	74	66	57	57	71	78	77	80	79	80	73	67	....	74.3
	Minimum	63	49	50	53	52	50	60	61	57	49	55	59	63	67	64	57	54	54	51	48	44	42	47	45	49	49	49	54	54	59	....	53.6
Point Pleasant	Maximum	85	82	85	92	93	95	90	85	86	83	83	85	83	83	76	73	77	77	74	65	61	63	82	85	80	88	84	81	79	72	....	80.9
	Minimum	67	53	53	59	60	57	67	70	60	60	65	68	68	70	69	57	59	58	56	46	46	47	52	54	55	56	62	55	57	52	....	58.6
Rainelle	Maximum	77	78	72	83	86	78	82	79	70	65	75	78	78	79	75	63	71	76	70	62	55	56	73	79	78	80	79	82	72	63	....	73.8
	Minimum	62	48	49	47	48	50	60	64	57	53	48	57	59	65	61	55	53	56	46	48	43	37	43	41	50	46	48	49	54	54	....	51.7
Ravenswood	Maximum	86	85	82	90	92	90	89	80	87	87	83	85	82	81	74	70	75	76	75	61	62	61	81	83	86	74	82	85	79	72	....	79.8
	Minimum	66	50	50	54	58	52	68	58	57	59	66	66	66	68	58	57	59	59	55	40	43	45	46	51	56	51	55	53	57	52	....	55.8
Richwood	Maximum	77	75	73	82	84	82	81	79	72	70	76	79	74	82	76	62	68	76	76	62	53	56	76	78	73	79	78	81	75	64	....	74.0
	Minimum	52	53	49	51	54	55	67	60	56	58	61	66	66	63	59	55	57	54	50	46	47	47	46	47	51	52	53	58	57	51	....	54.7
Robertsburg[1]	Maximum	87	82	89	89	92	94	92	81	90	77	82	85	85	83	80	72	78	79	67	67	60	64	79	81	83	89	87	86	75	72	....	80.9
	Minimum	63	53	55	57	60	59	62	69	60	59	65	65	67	69	67	60	60	60	58	48	46	45	50	52	57	55	56	57	59	52	....	58.2
Ryan	Maximum	85	85	85	88	90	90	90	88	85	80	85	88	76	78	75	68	70	80	63	63	60	68	83	88	80	85	85	85	80	75	....	80.0
	Minimum	63	48	49	50	54	51	60	64	54	52	62	61	64	64	63	57	57	54	54	49	41	51	45	42	53	52	51	51	59	50	....	54.2
Spencer[1]	Maximum	84	79	84	91	90	94	90	74	89	79	84	85	81	79	79	70	77	80	60	65	61	59	80	84	82	86	83	83	75	72	....	79.3
	Minimum	59	50	50	55	59	54	57	68	60	58	59	65	66	67	68	59	60	58	59	50	44	46	49	53	55	52	54	55	57	51	....	56.6
Sutton	Maximum	85	82	82	90	90	92	92	80	80	80	82	82	81	77	80	80	77	83	83	61	61	60	80	83	83	85	85	85	85	70	....	80.5
	Minimum	56	60	59	60	56	58	60	61	60	52	61	63	65	64	61	58	57	56	54	52	48	46	48	48	54	52	52	58	62	57	....	56.6
Union	Maximum	85	81	80	84	88	88	85	85	82	70	76	83	83	84	84	77	74	78	80	79	63	60	77	78	80	80	79	81	80	74	....	79.3
	Minimum	66	47	52	52	53	55	58	66	58	50	57	62	65	66	63	59	54	54	52	50	43	40	47	42	51	48	48	49	55	55	....	53.9
White Sulphur Spgs.	Maximum	78	79	79	75	80	77	82	79	66	65	75	80	79	79	78	73	73	72	69	60	51	60	70	74	75	73	73	78	71	70	....	73.1
	Minimum	57	51	52	56	53	52	56	62	56	56	56	60	64	65	63	59	57	57	53	50	42	40	44	46	48	48	51	50	52	55	....	53.7
Williamson[1]	Maximum	85	83	75	89	91	94	91	81	85	81	82	85	85	87	80	65	77	78	64	60	65	63	82	83	86	85	86	86	72	74	....	80.0
	Minimum	66	61	60	61	62	61	64	68	68	61	64	67	67	69	67	62	59	60	60	52	47	47	48	50	55	57	55	56	60	57	....	59.7

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.213	.051	.161	.218	.259	.186	.136	.380	.208	.041	.243	.069	.051	.056	.044	.146	.097	.057	.106	.047	.028	.130	.062	.107	.145	.120	.091	.106	.075	.010	....	3.643
	Wind movement	37	20	22	11	79	6	27	50	16	18	15	19	28	17	12	45	32	7	17	24	21	77	72	34	57	16	62	13	32	18	....	904

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 10-28-38—900)

7. C5
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., OCTOBER 1938 No. 10

GENERAL SUMMARY

The month was the driest October since 1924. Only four Octobers had less precipitation. Monthly totals in excess of one inch were confined practically to the northern and the northeastern panhandles and the north-central Counties. Droughty conditions that began in September continued unabated throughtout October and created a fire hazard of marked proportions. During the second half of the month forest fires were frequent, especially in the southern half of the State where the damage was extended rather than local. This situation continued at the close of the month.

Temperature was only slightly above normal. The middle decade was unseasonably warm, with several stations reporting readings of 90° or slightly higher. The first killing frost of Autumn occurred at a few northern stations on the 3d, more generally on the 8th and scatteringly in the central Counties on the 25th and 31st.

Clear skies predominated, although there was a considerable amount of fog, haze and smoke to lower visibility.

The weather was favorable for farm work and much of the corn crop was housed. Cover crops, however, were in need of rain. Streams were low. Water was being hauled for stock in some sections.

TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 55.0°, or 0.4° above the normal. The mean for the northeastern panhandle division was 53.7°; for the northern division, 54.4°; and for the southern division, 56.1°. The highest monthly mean was 60.8° at Bancroft and the lowest, 46.4° at Bayard. The highest temperature was 92° at Grafton on the 18th and the lowest, 15° at Bayard on the 8th and 9th. The greatest daily range was 57° at McNeill on the 18th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 107 stations, was 0.89 inch, or 1.96 inches below the normal. In the northeastern panhandle division the average was 1.34 inches; in the northern division, 0.94 inch; and in the southern division, 0.66 inch. The greatest monthly precipitation was 1.92 inches at McNeill and the least, 0.12 inch at Lewisburg. The greatest amount in any 24 consecutive hours was 1.20 inches at McNeill on the 20th. Spits of snow were observed at Martinsburg on the 7th and at Spruce Knob on the 27th. The average number of days with .01 inch or more of precipitation was 4.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	11	19	15	19	15	5	7	17	5	15	12	8	5	20	23	11	18	18	4	2	1	5	..	2	3	2	..	2	4	24	23
Gales																															
Hail							1																								
Halos, lunar											2	2	2																		
Halos, solar												2	1						1				1								
Sleet																															
Thunderstorms							1						7	4																	
Killing frost	2	1	8				7	24	1							1					1	1			2				1		2

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.14	30.47	7	29.71	21	5.9	20	w.	26	85	46	52	81
Columbus, Ohio	30.13	30.47	7	29.71	21	7.4	31	sw.	26	84	44	51	73
Elkins	30.18	30.51	11	29.75	26	4.4	21	w.	26	93	46	66	67
Parkersburg	30.14	30.47	7	29.69	26	5.0	18	se.	26	90	47	60	74
Pittsburgh, Pa	30.16	30.48	7	29.63	26	8.8	34	nw.	26	82	46	52	76
Wytheville, Va	30.15	30.47	11	29.75	21	5.5	21	nw.	27	84	40	58	81

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	......	7	......	......	......
1892	52.6	89	24	.21	1.05	.48	.83	......	4	......	......	......
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	**.40**	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
Period	54.6	102	8	2.69	2.97	2.76	2.85	.3	7	16	7	8

Climatological Data for October 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	46.4	−2.8	84	18	15	†8	56	1.04	−2.22	0.43	0.0	8	19	5	7	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	54.2	+.9	90	18	24	31	55	1.10	−1.27	.60	.0	3	24	0	7	n.	E. L. Keister
Harpers Ferry	Jefferson	244	49	....	....	....	....	....	....	....	1.36	−1.90	.42	.0	8	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	6	53.8	....	85	17	26	8	38	.56	....	.16	.0	4	17	10	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	8	54.6	....	84	17	26	8	44	1.62	....	.59	.0	5	23	3	5	n.	University Exper. Station
Martinsburg	Berkeley	435	46	55.3	+.6	86	†17	30	†8	41	1.75	−1.32	.70	T.	8	24	2	5	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	53.2	−.9	90	18	20	8	57	1.92	−.39	1.20	.0	6	23	2	6	w.	R. E. Saville
Piedmont	Mineral	1,053	25	55.8	+2.4	85	18	29	8	44	.88	−1.77	.38	.0	8	20	3	8	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	55.8	+.9	86	†18	28	8	49	1.40	−1.15	1.09	.0	4	24	3	4	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	....	....	....	....	....	....	....	1.73	....	.39	T.	9	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	18	....	....	....	....	....	....	....	1.49	−1.71	.63	.0	5	14	6	11	w.	A. C. Becker
Wardensville	Hardy	1,200	17	54.0	+1.4	89	†18	23	8	52	1.30	−1.86	.62	.0	8	19	5	7	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	....	....	....	....	....	....	....	1.02	−2.52	.64	.0	3	17	11	3	w.	L. Esle Bond
Alma (near)	Tyler	800	11	....	....	....	....	....	....	....	.99	−1.73	.59	.0	5	20	6	5	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	49.8	....	85	18	19	8	51	1.62	....	.77	.0	8	22	4	5	w.	Christian Hertig
Benson	Harrison	1,080	14	53.0	+.1	88	18	20	31	54	.70	−2.86	.50	.0	3	22	6	3	....	R. D. Marts
Bens Run	Pleasants	652	36	58.1	+1.5	87	†17	35	8	40	.74	−2.28	.38	.0	2	24	6	1	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	55.4	+.8	86	11	25	†3	55	.94	−2.48	.59	.0	3	22	3	6	....	M. D. Hawkins
Buckhannon	Upshur	1,411	41	54.0	+.2	81	19	30	8	39	.85	−2.29	.70	.0	3	24	3	4	....	H. A. Darnall
Cairo	Ritchie	680	37	56.7	+.9	89	18	27	†25	52	.70	−2.22	.50	.0	3	21	9	1	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	52.6	−.8	86	18	26	31	55	.65	−2.48	.36	.0	3	21	5	5	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	....	....	....	....	....	....	....	.90	−2.59	.72	.0	3	23	5	3	nw.	George W. Blair
Creston	Wirt	640	36	54.2	−1.5	87	18	24	†25	50	.64	−2.51	.26	.0	4	20	7	4	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	17	....	....	....	....	....	....	....	1.08	−2.09	.71	.0	6	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	22	....	....	....	....	....	....	....	1.40	−1.29	.60	.0	7	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	17	....	....	....	....	....	....	....	.83	−2.41	.34	.0	4	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	22	....	....	....	....	....	....	....	.76	−1.89	.31	.0	4	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	22	....	....	....	....	....	....	....	.62	−2.13	.24	.0	4	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	26	....	....	....	....	....	....	....	.64	−2.28	.32	.0	4	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	37	52.6	+.3	86	18	28	26	46	1.08	−1.83	.76	.0	7	19	5	7	n.	U. S. Weather Bureau
Fairmont	Marion	883	32	55.6	+.5	86	†12	29	8	44	.90	−2.21	.37	.0	4	23	4	4	w.	J. C. Robinson
Glenville	Gilmer	738	44	56.0	−.2	88	19	27	†25	47	.56	−2.65	.31	.0	3	10	13	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	58.2	+3.0	92	18	28	25	50	1.01	−1.95	.62	.0	4	26	1	4	....	L. W. Clayton
Hastings	Wetzel	809	3	....	....	....	....	....	....	....	.94	....	.43	.0	4	21	5	5	w.	L. G. McIntyre
Horner	Lewis	1,044	15	....	....	....	....	....	....	....	1.05	−2.64	.70	.0	3	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	15	....	....	....	....	....	....	....	.82	−2.50	.63	.0	4	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	54.3	+.1	87	18	23	†8	51	.93	−2.06	.75	.0	3	21	3	7	w.	Allen Smith
Mannington	Marion	974	35	53.3	−.3	83	18	24	31	46	.82	−2.35	.58	.0	4	20	6	5	w.	James A. Morgan
Morgantown	Monongalia	1,300	45	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	Bruce Davis
New Cumberland	Hancock	671	40	56.2	+2.2	87	12	30	7	40	1.17	−1.55	.39	.0	6	21	1	9	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	55.2	−1.6	85	†12	28	8	41	1.13	−1.99	.80	.0	3	22	4	5	n.	Wm. Ankrom
Parkersburg	Wood	615	51	56.8	+.7	85	18	32	31	40	.73	−1.75	.36	.0	5	23	1	7	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	54.9	+3.4	89	18	28	26	49	1.00	−2.27	.50	.0	4	23	2	6	....	J. W. Swisher
Philippi	Barbour	1,550	41	....	....	....	....	....	....	....	1.05	−2.09	.74	.0	6	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	35	51.2	−.5	77	†12	24	31	37	1.56	−2.48	1.05	.0	4	23	2	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	....	....	....	....	....	....	....	.90	−2.52	.60	.0	4	24	3	4	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	50	....	....	....	....	....	....	....	1.14	−3.21	.57	.0	9	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	577	30	....	....	....	....	....	....	....	.93	−1.93	.38	.0	4	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	37	48.3	−.7	81	18	21	8	47	1.37	−2.52	.49	.0	7	21	3	7	....	Hopemont Sanitarium
Thomas	Tucker	2,950	9	....	....	....	....	....	....	....	.95	....	.57	.0	4	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	15	55.6	+.2	84	†11	27	31	46	.72	−2.69	.60	.0	4	22	4	5	w.	S. A. Spence
Vandalia	Lewis	1,120	15	....	....	....	....	....	....	....	.90	−2.07	.69	.0	3	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	31	52.6	−.9	83	12	25	†7	45	1.27	−1.45	.40	.0	7	24	2	5	....	George P. Pfister
West Milford	Harrison	979	13	....	....	....	....	....	....	....	.68	−3.54	.58	.0	2	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	43	57.0	+1.5	86	18	27	31	45	.94	−1.87	.58	.0	5	11	18	2	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	55.3	+.4	86	18	32	†7	43	1.27	−1.46	.66	.0	5	22	3	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	....	....	....	....	....	....	....	.65	−1.99	.38	.0	5	23	3	5	n.	H. S. Sutton
Bancroft	Putnam	574	34	60.8	+4.2	86	19	34	25	41	.63	−2.35	.25	.0	4	23	3	5	w.	Fred D. Smith
Beckley	Raleigh	2,440	35	52.8	−.1	86	18	24	8	47	1.20	−1.78	.58	.0	4	21	9	1	....	L. A. Mauck
Bluefield	Mercer	2,558	43	56.4	+.7	86	18	34	†8	42	.67	−2.10	.49	.0	3	23	4	4	....	Norfolk & Western Ry.
Charleston	Kanawha	602	35	57.6	−1.3	84	19	34	†22	38	.64	−2.40	.51	.0	4	20	3	8	....	Charleston Daily Mail
Clay	Clay	790	22	....	....	....	....	....	....	....	1.38	−1.60	.86	.0	6	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	..	54.0	....	79	18	30	21	33	.46	....	.41	.0	4	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	22	55.4	−.2	87	18	27	25	48	.45	−2.45	.37	.0	3	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	56.8	....	85	18	32	28	40	.80	....	.62	.0	4	22	3	6	sw.	State Forest Nursery
Hinton	Summers	1,431	41	56.9	−.1	91	18	29	†25	51	.38	−2.45	.23	.0	5	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	22	....	....	....	....	....	....	....	.68	−1.95	.54	.0	3	....	....	....	....	Lockmaster
Huntington	Cabell	571	41	59.4	+3.0	87	†12	34	25	40	.54	−1.98	.27	.0	5	19	7	5	ne.	H. N. Robinson
Institute	Kanawha	616	..	57.6	....	87	18	29	25	45	.52	....	.27	.0	5	....	....	....	....	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	19	....	....	....	....	....	....	....	.75	−2.55	.50	.0	3	....	....	....	....	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	54.8	+1.6	86	17	28	8	46	.12	−2.88	.09	.0	2	26	3	2	....	J. K. Monroe
Logan	Logan	700	35	....	....	....	....	....	....	....	.46	−2.59	.45	.0	3	....	....	....	....	Paul A. Simonds
London Locks	Kanawha	623	2	58.5	....	85	18	34	†25	42	.77	....	.69	.0	3	18	11	2	....	Lockmaster
Madison	Boone	675	17	57.3	+1.7	84	19	30	26	42	.61	−1.99	.42	.0	3	27	2	2	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	52.8	+3.2	87	17	23	26	54	.60	−2.39	.39	.0	5	22	3	6	....	U. S. Forest Service
Point Pleasant	Mason	595	45	59.0	+1.8	88	18	33	31	42	.77	−2.04	.25	.0	6	21	6	4	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	52.1	....	85	17	22	†25	53	.65	....	.41	.0	6	24	3	4	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	57.0	+.7	89	19	28	25	49	.45	−2.34	.32	.0	3	22	3	6	ne.	Lockmaster
Richwood	Nicholas	2,193	8	52.6	....	86	18	27	24	45	1.09	....	.62	.0	6	18	9	4	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	56.2	−.4	89	18	31	†25	45	.48	−2.23	.24	.0	4	....	....	....	....	M. Frazier
Ryan	Roane	700	35	55.7	+3.0	88	19	23	31	50	.46	−2.70	.38	.0	3	26	3	2	....	Wm. E. Ryan
Spencer	Roane	789	34	56.5	+1.6	87	18	27	31	44	.61	−2.55	.22	.0	4	23	6	2	....	A. M. McKown
Summersville	Nicholas	1,894	5	....	....	....	....	....	....	....	.89	....	.66	.0	3	....	....	....	....	Mrs. Anna Taylor
Sutton	Braxton	850	32	57.0	+.3	85	†18	28	†25	47	1.20	−1.79	.80	.0	3	....	....	....	....	C. B. Eakle
Union	Monroe	2,250	34	54.6	+.2	90	19	24	26	53	.49	−2.24	.22	.0	3	28	2	1	....	C. B. King
Wayne	Wayne	598	11	....	....	....	....	....	....	....	.63	−2.25	.28	.0	4	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	51.6	−.8	85	†17	23	26	49	.60	−2.21	.25	.0	3	25	0	6	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	38	58.4	+.6	87	18	32	†25	48	.50	−2.29	.49	.0	3	21	7	3	nw.	J. E. Dotson
State averages and	extremes	....	....	**55.0**	**+.4**	**92**	**18**	**15**	**†8**	**57**	**.89**	**−1.96**	**1.20**	**T.**	**4**	**22**	**5**	**4**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. † Also on other dates.

Daily Precipitation for October 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac							.08							.05						.02	.43				.04		.02	.05	.35			1.04
Brandywine	do																				.35				.15					.60			1.10
Harpers Ferry[1]	do	.04					.05	.03							.27							.42			.18	.07				.30			1.36
Inwood	do						T.								.16					.16							.10		.14				.56
Kearneysville	do						T.								.40						.45				.59				.08	.10			1.62
Martinsburg[1]	do	.10						.20							.20						.05	.70			.22	.18			T.	.10			1.75
McNeill	do						.03								.07						1.20				.12				.17	.33			1.92
Piedmont	do						.02								.15						.38				.06		.01	.08	.02	.16			.88
Romney	do						.02								.22						1.09									.07			1.40
Spruce Knob[1]	do	.13						T.							.09						.08	.39			.14	.17		T.	.16	.38	.19		1.73
Stony River Dam[1]	do							.05														.63						.25	.10	.46			1.49
Wardensville[1]	do		.02					T.							.07						.07	.62			.05	.05				.37	.05	T.	1.30
Northern Division																																	
Aberdeen	West Fork														.34						.64				.04			T.					1.02
Alma (near)	Ohio						.01							.24	.10						.59				.05								.99
Alpena	Cheat						.02								.25						.77	.04			.10			.12	.06	.26			1.62
Belington[1]	Tygart						T.	T.							.03						.05	.62			T.	.05		.01	T.	.06	T.		.82
Bensou	West Fork														.15						.50				.05								.70
Bens Run	Ohio					T.								.38							.36				T.								.74
Brownsville	West Fork														.32						.59				.03								.94
Buckhannon	Tygart														.10						.70				.05			T.	T.				.85
Cairo	Litl.Kanawha													.18						.50					.02								.70
Clarksburg[1]	West Fork						T.								.09						.20	.36											.65
Crawford	do														.12						.72				.06			T.					.90
Crestou[1]	Litl.Kanawha						T.								.26	.01					.15	.22			T.	T.		T.					.64
Dam 10, Mon. R.[1]	Monongahela						.02								.29						.28	.43			.01	.05							1.08
Dam 13, O. R.[1]	Ohio						.07								.60						.43	.05			.18	.05			.02				1.40
Dam 15, Mon. R.[1]	Monongahela						T.								.20						.25	.34			T.	.04							.83
Dam 19, O. R.[1]	Ohio						T.								.27						.31	.03			.15								.76
Dam 20, O. R.[1]	do						T.								.20						.24	.03			.15								.62
Elizabeth(D'm 3 LK[1]	Litl.Kanawha					T.								.14						.32	.10			.08	T.								.64
Elkins[2]	Tygart					T.	.02							.09							.76				.02			T.	.01	.13	.05		1.08
Fairmont[1]	Monongahela													.25						.37	.24				.04								.90
Glenville[1]	Litl.Kanawha														.31						.18	.07			T.	T.							.56
Graftou	Tygart														.35						.62	.02							.02				1.01
Hackers Creek	West Fork														.12						.66				.01								.79
Hastings	Ohio														.43						.42	.08			.01								.94
Horner	West Fork						.10									.25					.70												1.05
Ireland	do														.18								.92										1.10
Jackson's Mill	do																				.80												.80
Jaue Lew	do			.03											.14						.63				.02			T.					.82
Lost Creek	do					T.	T.								.14						.75				.04			T.	T.				.93
Mannington	Monongahela													T.	.20						.58	.03			.01								.82
Morgantown	do																																...
New Cumberland	Ohio					.04	T							.27						.39	.17				.18		.12						1.17
New Martinsville	do													.80							.25	.08											1.13
Parkersburg[2]	do					.01								.36						.04	.18			T.	.14		T.						.73
Parsons	Cheat																				.15				.20			.15	.50				1.00
Philippi[1]	Tygart							T.							.20						.09	.65			T	.03		T.	.06	.02			1.05
Pickens	do						.08								.33						1.05				.10								1.56
Roanoke	West Fork														.21						.60				.05			.04					.90
Rockford	do					T.	T.							.22	T.						.62	T.			T.			T.					.84
Rowlesburg[1]	Cheat						.01								.30						.11	.46			.01	.09		.02	.06	.08			1.14
Saint Marys[1]	Ohio														.38					.34	.04					.17							.93
Terra Alta[1]	Cheat							.10							.30						.11	.49				.07			.19	.11			1.37
Thomas[1]	do																				T.	.57						.08	.10	T.	.20		.95
Valley Chapel	West Fork						T.								.08						.60				.02			.02					.72
Vandalia	do														.16						.69				.05								.90
Wellsburg (near)	Ohio					T.	.06							.40	.08						.30	.12			.26			.05					1.27
West Milford	West Fork														.10						.58												.68
Weston[1]	do														.21							.10	.58			.02	.03		T.				.94
Wbceling (Dam 12)[1]	Ohio						.03								.66						.30	.13			.15	T.			T.				1.27
Southern Division																																	
Arbovale[1]	Greenbrier														.02						.38				.12			.03		.10			.65
Bancroft	Gr. Kanawha													.25						.18	.15			.05									.63
Beckley	New				.58		T.								.08						.48				.06			T.					1.20
Bluefield	do																				.49	.02			.16								.67
Camden-on-Gauley[1]	Gauley							.02														.60			.06			.03					.71
Charleston[1]	Gr. Kanawha														.11						.29	.22			.02	T.							.64
Clay[1]	Elk														.42						.26	.60			T.	.01		.06	.03				1.38
Flat Top[1]	New							.01							T.						T.	.41			.03	.01		T.					.46
Gary[1]	Big Sandy	.07																			.37				.01								.45
Greenbottom[1]	Ohio														.08						.22	.40			.10								.80
Hinton[1]	New														.02						T.	.23			.07	.03		.03					.38
Hogsett[1]	Ohio																				.54	.04			.10								.68
Huntington	do						.02							.10	.07						.27				.08								.54
Institute[1]	Gr. Kanawha														.23	.01	T.				.13	.14			.01	T.							.52
Kanawha Falls[1]	do				T.										.20							.50			.05			T.					.75
Lewisburg	Greenbrier																											.09		.03			.12
Logan[1]	Guyandot							T.							T.						.12	.33			T.	.01							.46
London Locks[1]	Gr. Kanawha														.08						.12	.57			T.								.77
Madison[1]	Coal															.06					.42	.16											.64
Marlinton	Greeubrier														.06						.39				.11			.03		.01			.60
Point Pleasant[1]	Ohio														.25	.02					.22	.10			.15	.03							.77
Rainelle	Gauley						.01								.08						.41	.01			.05			.12					.68
Ravenswood[1]	Ohio														.07						.32	.06											.45
Ricbwood[1]	Gaulcy						.04							.26						.03	.62				.07		.07						1.09
Robertsburg[1]	Gr. Kanawha														.09						.24	.05			.10								.48
Ryan	do													.07							.38							.01					.46
Sharples[1]	Coal																								T.								††
Spencer[1]	Litl.Kanawha														.18						.19	.22			.02								.61
Summersville[1]	Gauley														.14						T.	.66			T.			.09					.89
Sutton	Elk														.30						.80								.10				1.20
Thornwood[1]	Greenbrier						T.							T.						.01	.40			.04			.09	.03	.16				.73
Union	New																				.22	.05			.22								.49
Wayne[1]	Twelvepole														.22						.26	.05			.10								.63
White Sulp'r Spgs.[1]	Greenbrier																				.25			.20			.15						.60
Williamson[1]	Big Sandy																				.16	.33			.01	T.							.50
Winfield Locks[1]	Gr. Kanawba														.11						.12	.13			.01	.03							.40

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. †† Incomplete.

Supplemental Rainfall Data—Total for this month: Belva.... 1.00 Elk.... 1.00 Hall.... 0.83 Kayford.... 0.40 Midvale.... 1.10 Mt. Clare.... 0.72 Parsons No. 2.... 1.03 Salem.... 0.66 Shinnston.... 0.74 Valley Head.... 1.12 Dailey.... 1.32 Knobly Mt.... 1.28 Brushy Run.... ††

Daily Temperatures for October 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	61	62	62	64	70	58	60	68	65	70	79	80	71	70	74	78	80	84	79	65	52	65	64	53	55	70	45	53	60	62	63	65.9
	Minimum	38	27	20	20	25	28	38	15	15	25	28	28	28	30	28	28	27	28	30	30	33	22	22	25	32	22	40	32	32	25	17	27.0
Brandywine	Maximum	65	60	65	70	78	75	74	75	78	80	82	81	80	74	80	75	85	90	88	82	78	75	74	60	65	72	65	60	58	60	70	73.4
	Minimum	49	41	27	30	31	42	40	25	30	28	32	45	34	37	36	35	34	35	40	50	46	27	30	39	35	27	30	40	38	27	24	35.0
Kearneysville	Maximum	67	56	55	66	74	63	60	70	67	71	80	81	72	73	77	79	84	81	83	72	62	67	59	60	52	62	62	52	62	63	60	67.5
	Minimum	47	37	33	34	34	48	33	26	44	38	42	49	42	52	43	45	44	43	46	55	40	37	42	49	39	36	46	45	49	42	33	41.7
Martinsburg [1]	Maximum	66	65	66	67	76	61	61	71	69	71	82	83	74	76	77	80	86	81	86	66	64	70	65	61	65	73	62	53	62	60	65	69.8
	Minimum	48	40	35	36	37	36	35	30	32	39	45	45	43	44	46	47	45	45	45	50	42	38	39	45	41	35	35	47	45	45	30	40.8
McNeill	Maximum	69	64	67	71	79	66	61	76	72	75	84	85	75	75	78	76	87	90	89	74	64	70	67	73	67	78	69	52	68	65	64	72.6
	Minimum	44	30	25	28	31	31	36	20	40	27	35	42	34	46	40	38	32	33	35	47	29	27	31	48	27	22	32	43	41	34	23	33.9
Piedmont	Maximum	66	64	63	64	74	54	59	73	63	75	80	82	71	73	74	80	81	85	82	60	59	59	66	56	63	70	76	56	65	64	60	68.4
	Minimum	46	41	33	36	37	51	33	29	36	39	45	49	43	52	43	41	54	43	44	58	50	44	48	53	40	41	48	44	48	42	30	43.3
Romney	Maximum	66	60	65	67	76	66	60	70	68	74	81	83	80	73	80	78	85	86	86	75	61	69	68	63	64	78	66	52	63	65	63	70.7
	Minimum	45	37	33	37	39	46	34	28	46	36	43	48	40	52	41	42	40	42	42	55	40	34	38	50	46	29	49	44	48	37	30	41.0
Wardensville [1]	Maximum	68	64	64	69	78	73	60	75	69	73	84	82	73	75	78	83	87	89	89	62	60	67	65	59	66	72	57	55	69	63	62	70.6
	Minimum	43	34	27	31	31	43	31	23	39	30	38	49	36	51	37	38	38	38	39	39	39	51	34	43	43	27	35	44	43	35	27	37.3
Northern Division																																	
Bens Run	Maximum	70	70	61	74	74	63	65	73	73	77	85	86	73	71	83	83	87	87	82	68	69	72	73	60	64	75	66	61	70	67	70	72.6
	Minimum	43	42	42	41	43	53	37	35	43	42	46	52	51	53	45	47	47	48	48	43	42	38	38	43	38	54	45	41	39	38	36	43.6
Buckhannon	Maximum	65	63	65	65	68	64	67	65	66	66	78	78	71	69	75	75	76	80	81	71	60	66	67	61	59	70	66	52	61	61	60	67.5
	Minimum	45	37	36	40	38	50	40	30	45	36	42	42	43	48	36	41	39	42	46	46	38	40	41	45	32	32	48	42	45	37	38	40.6
Clarksburg [1]	Maximum	62	67	69	71	75	62	61	70	70	73	83	84	75	71	78	81	82	86	82	57	58	70	71	54	61	73	55	56	66	62	65	69.4
	Minimum	39	36	33	34	35	37	38	27	29	34	28	40	42	43	40	39	38	38	39	42	35	32	33	41	32	29	34	43	43	34	26	35.9
Creston	Maximum	60	69	69	66	73	73	60	76	76	71	81	80	76	76	82	79	84	87	83	81	59	68	68	66	61	72	73	57	62	64	64	71.5
	Minimum	40	38	35	40	35	47	34	28	30	40	42	40	49	48	49	39	37	37	40	39	31	30	38	42	24	28	38	34	37	31	24	36.9
Elkins	Maximum	61	64	69	67	72	63	59	68	67	70	83	81	73	71	77	83	82	86	80	62	54	68	64	55	58	72	54	49	53	60	63	67.5
	Minimum	42	37	32	37	36	45	34	29	41	35	40	46	40	44	40	37	38	40	41	38	36	31	40	41	34	28	40	38	48	34	29	37.6
Fairmont	Maximum	66	67	70	71	74	61	62	72	69	72	83	86	74	72	82	80	83	86	85	56	61	74	72	55	63	75	55	58	67	64	65	70.3
	Minimum	43	40	36	41	36	42	38	29	34	38	40	48	45	50	43	43	43	42	46	53	37	39	44	49	33	38	46	42	42	38	30	40.9
Glenville	Maximum	69	71	71	72	77	76	65	72	75	65	73	81	80	71	76	84	82	87	88	81	60	72	71	69	65	74	73	57	61	68	67	72.7
	Minimum	42	39	37	42	38	51	35	32	39	36	39	42	42	52	45	44	38	40	41	49	34	31	39	44	27	27	43	42	43	34	27	39.2
Grafton	Maximum	73	74	74	75	77	75	67	74	73	76	88	88	88	78	84	82	88	92	86	85	62	73	76	75	65	75	75	59	68	68	69	76.2
	Minimum	47	37	33	42	36	52	34	29	41	35	42	50	43	51	42	42	42	42	43	50	36	35	40	46	28	30	43	42	43	39	29	40.1
Lost Creek	Maximum	65	65	68	71	73	71	64	68	73	71	86	82	75	73	80	84	84	87	84	71	58	73	71	64	63	75	72	61	68	65	67	72.0
	Minimum	36	32	30	34	32	50	40	23	38	31	37	39	41	50	35	38	36	36	40	50	34	32	38	44	31	30	41	42	35	36	23	36.6
Mannington	Maximum	64	64	66	69	70	67	59	69	67	71	79	81	75	70	76	79	80	83	82	77	59	67	69	65	60	72	69	57	64	61	63	69.5
	Minimum	38	34	30	36	33	51	31	25	37	32	38	46	40	56	41	39	38	37	40	50	34	31	38	45	27	26	38	42	39	33	24	37.1
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland	Maximum	65	67	68	70	68	61	62	71	70	75	84	87	76	71	81	80	83	84	80	63	62	70	71	63	64	73	70	57	65	63	64	70.6
	Minimum	42	38	39	48	40	50	30	38	42	39	44	50	49	53	44	45	45	44	46	41	38	37	45	44	37	37	44	37	39	37	33	41.8
New Martinsville	Maximum	75	67	70	70	67	60	56	68	67	70	84	85	72	73	80	81	80	85	80	72	68	62	62	62	60	70	65	60	65	60	62	69.6
	Minimum	40	38	35	37	35	55	30	28	35	37	40	47	50	54	45	43	47	45	44	44	32	32	42	45	45	40	46	40	35	52	30	40.9
Parkersburg	Maximum	66	66	68	71	75	61	63	72	69	73	83	83	70	62	78	79	82	85	82	62	63	71	70	61	64	76	57	57	68	63	64	69.8
	Minimum	45	44	40	44	42	44	38	32	47	40	47	55	56	49	44	47	46	47	51	40	40	44	54	44	40	46	43	40	40	40	32	43.9
Parsons	Maximum	65	68	70	70	74	60	66	72	70	74	83	83	75	76	80	85	84	89	85	76	60	71	66	60	61	76	60	60	60	66	64	71.3
	Minimum	47	39	34	38	36	37	35	30	43	33	40	46	39	50	42	41	40	40	40	45	39	31	39	45	32	28	40	41	42	31	29	38.5
Pickens	Maximum	58	62	65	67	75	60	60	65	65	68	72	77	70	67	75	74	77	75	77	59	53	65	61	53	55	66	55	58	57	58	60	64.8
	Minimum	44	34	31	40	36	40	40	29	39	34	41	45	42	45	39	39	40	50	49	40	30	30	41	41	26	35	35	34	40	34	24	37.6
Wellsburg	Maximum	65	64	68	70	64	62	62	70	68	70	81	83	69	67	78	81	82	81	80	73	60	69	68	60	58	71	67	59	69	63	61	69.1
	Minimum	39	32	31	34	32	46	25	25	36	34	39	45	43	51	40	40	38	36	40	46	36	34	42	39	30	29	34	35	31	28	27	36.0
Weston	Maximum	67	67	66	72	68	61	70	71	72	83	81	82	78	75	75	80	81	86	83	80	61	73	71	67	62	74	71	65	68	65	65	72.3
	Minimum	42	37	35	49	54	42	31	42	35	41	50	55	44	51	49	40	40	41	44	50	37	35	41	45	32	32	45	43	47	36	27	41.7
Wheeling	Maximum	66	67	70	69	67	55	61	70	68	75	85	85	73	68	83	84	85	86	80	51	61	71	71	55	62	72	51	58	69	57	61	68.9
	Minimum	44	40	39	40	41	43	32	32	33	41	42	46	50	55	44	45	46	45	45	49	39	40	43	45	39	39	46	39	39	37	35	41.7
Southern Division																																	
Beckley	Maximum	64	67	68	68	77	69	65	71	70	73	79	78	72	73	75	80	84	86	81	73	58	68	63	55	60	71	60	50	63	63	73	69.6
	Minimum	44	30	36	37	38	49	36	24	44	30	35	46	40	41	36	39	38	39	43	41	27	28	40	36	27	29	40	34	37	29	27	36.1
Bluefield	Maximum	66	68	68	69	75	72	65	69	73	76	78	77	71	74	75	78	82	86	83	77	56	65	68	60	60	68	66	55	62	64	69	70.2
	Minimum	50	37	40	43	40	56	39	34	48	38	42	49	46	47	41	46	45	44	51	54	34	35	47	43	35	38	44	38	43	39	35	42.6
Charleston	Maximum	70	69	72	72	78	64	65	71	75	73	82	79	75	70	75	80	81	83	84	60	60	72	73	58	64	61	64	67	60	65	66	70.6
	Minimum	49	50	45	46	46	48	43	42	39	40	47	49	49	55	48	49	49	49	51	52	39	34	41	44	34	35	40	41	44	40	40	44.5
Gary [1]	Maximum	68	69	72	70	78	73	67	73	75	76	82	81	76	76	80	82	84	87	85	61	58	72	68	57	62	73	58	54	67	70	69	71.7
	Minimum	51	42	40	42	41	43	42	35	40	42	40	45	41	44	40	44	42	39	41	44	35	32	36	43	27	28	30	36	40	36	34	39.2
Hinton [1]	Maximum	70	72	70	73	79	73	69	78	77	82	83	82	73	77	80	84	88	91	90	61	65	75	70	61	68	80	60	59	72	71	75	74.5
	Minimum	49	43	40	41	39	43	39	36	37	40	41	43	42	43	44	44	44	40	40	42	34	34	34	40	29	29	31	41	42	37	37	39.3
Huntington	Maximum	72	71	75	75	82	72	66	76	78	79	82	87	75	70	76	82	86	87	86	72	67	75	73	66	70	78	69	60	71	68	71	74.7
	Minimum	44	44	43	46	46	55	40	36	48	43	46	52	54	53	46	46	47	47	50	49	37	40	48	44	34	39	43	35	39	40	35	44.2
Lewisburg	Maximum	68	69	68	69	75	71	67	74	74	79	80	79	69	76	76	79	86	77	85	69	59	67	62	54	62	72	62	57	66	69	69	70.6
	Minimum	43	35	33	36	33	47	37	28	48	34	42	47	41	46	42	41	41	41	44	49	32	30	40	42	34	29	39	40	44	37	33	39.0
Madison	Maximum	71	69	71	72	73	77	62	67	74	76	75	81	82	76	73	80	82	83	84	71	59	74	75	72	70	67	76	60	59	67	67	72.4
	Minimum	51	45	44	45	44	46	47	38	41	42	42	48	47	51	45	45	43	43	47	50	39	35	42	45	36	30	34	33	37	37	36	42.2
Marlinton	Maximum	67	68	67	69	74	72	69	74	74	77	80	78	69	75	78	81	87	86	84	72	59	67	62	58	61	67	61	56	65	70	70	70.9
	Minimum	43	36	32	35	33	42	33	27	45	32	36	41	35	47	36	36	33	33	35	47	33	27	30	30	28	23	32	39	39	30	25	34.6
Point Pleasant	Maximum	69	68	72	74	80	75	65	75	74	75	86	86	79	67	79	85	84	88	85	80	66	75	72	69	69	77	74	60	69	66	69	74.6
	Minimum	43	42	40	44	45	54	37	35	46	41	46	51	54	51	45	45	45	46	50	50	37	41	47	44	34	38	47	35	39	38	33	43.3
Rainelle	Maximum	64	68	67	68	75	66	63	78	71	75	84	77	73	73	79	82	85	82	83	71	58	65	62	56	61	72	71	51	62	64	66	70.1
	Minimum	46	44	32	34	32	43	35	27	36	31	33	34	33	45	36	35	32	32	35	45	31	24	33	40	22	22	36	37	41	30	22	34.1
Ravenswood	Maximum	72	79	73	72	71	58	65	74	71	69	84	86	85	68	80	83	83	87	89	82	81	65	68	69	67	75	76	59	67	69	68	74.0
	Minimum	42	37	37	41	42	49	34	30	41	39	41	48	53	51	43	41	42	41	46	50	32	36	48	42	28	32	43	33	38	33	30	40.1
Richwood	Maximum	63	66	68	68	74	65	62	69	70	74	82	79	74	73	79	84	83	86	83	63	56	67	61	55	60	70	52	52	61	63	65	68.6
	Minimum	37	36	37	36	35	42	30	32	33	34	40	43	44	39	40	42	42	41	46	38	32	32	48	27	28	29	39	40	36	29	28	36.6
Robertsburg [1]	Maximum	70	69	71	77	75	62	60	70	75	79	88	81	66	70	75	84	85	89	84	57	60	76	74	59	64	72	61	64	66	60	63	71.2
	Minimum	43	41	38	43	43	48	39	32	35	41	43	46	52	52	46	42	44	45	49	48	35	39	43	45	31	35	43	33	37	37	31	41.3
Ryan	Maximum	80	75	75	80	84	65	65	74	75	75	85	85	75	80	80	85	85	87	88	64	70	75	75	58	58	75	65	65	70	70	65	74.5
	Minimum	42	36	35	40	36	47	32	26	41	32	40	48	45	45	45	41	39	39	42	47	32	30	41	41	25	25	35	28	35	32	23	36.9
Spencer [1]	Maximum	68	69	72	74	79	61	63	73	74	75	85	85	77	77	78	81	84	87	85	56	74	75	73	68	69	75	60	57	66	65	68	72.7
	Minimum	42	38	36	39	38	50	36	29	40	36	42	44	51	51	49	43	46	38	43	47	34	35	50	45	34	32	42	36	42	34	27	40.3
Sutton	Maximum	70	68	68	72	75	75	61	73	73	75	83	83	80	75	80	81	83	85	85	80	70	71	71	70	63	76	76	60	65	66	66	73.5
	Minimum	47	40	40	42	38	53	37	32	41	37	40	48	42	50	45	42	42	41	42	48	35	33	40	44	28	29	45	43	46	37	28	40.5
Union	Maximum	67	69	69	69	75	75	68	73	73	77	82	80	80	76	79	77	84	89	90	85	58	69	69	64	62	71	71	55	70	67	69	73.0
	Minimum	44	34	32	35	32	44	36	26	38	30	36	43	38	39	38	39	38	36	40	48	30	26	36	44	30	24	40	39	43	33	28	36.1
White Sulphur Spgs.	Maximum	69	65	66	66	74	70	66	74	72	79	78	78	70	74	72	77	85	74	85	65	61	61	62	62	60	72	56	54	62	64	66	69.0
	Minimum	46	36	33	33	36	37	36	29	31	31	32	39	35	38	34	38	36	34	37	42	29	26	33	35	28	23	31	41	41	34	27	34.2
Williamson [1]	Maximum	71	74	74	73	81	65	68	75	77	78	81	84	76	77	82	82	85	87	85	63	63	73	69	61	67	80	62	61	69	71	72	73.7
	Minimum	50	46	44	45	46	49	45	42	43	45	45	48	49	50	46	47	46	46	46	49	40	36	37	47	32	32	34	39	37	39	37	43.1

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.169	.092	.073	.065	.068	.026	.054	.068	.080	.073	.048	.042	.029	.000	.036	.056	.048	.061	.080	.059	.046	.053	.064	.067	.069	.084	.132	.084	.082	.044	.026	1.978
	Wind movement	28	45	2	11	16	9	49	16	25	20	4	16	19	29	7	9	6	6	24	44	44	27	18	26	72	58	70	97	47	24	10	878

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 11-28-38—900)

7.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., NOVEMBER 1938 No. 11

GENERAL SUMMARY

Temperatures averaged well above normal, with only a few scattered stations reporting minus departures. The warm periods were: 2d-7th, 11-13th, 17-19th, and 21st-22d, when the average daily excess was 12°. The cold period was from the 23d to 29th, when temperatures averaged 12° below normal and minima of zero or below were recorded at twelve stations. The reading of −10° at Bayard on the 26th was the second lowest November temperature of record. The first killing frost of Autumn occurred generally in the southern Counties on the 9th.

The month was unusually wet for November, with the average precipitation the greatest since 1929 and the average snowfall the second greatest of record. Only one November (1913) had more snow. The snow fell during the cold spell and blanketed the entire State with amounts ranging from 2 to 20 inches. At the close of the month the snow cover remained over much of the northern half of the State and at a few high-level stations in the southern half, with the depths ranging from 2 inches at Flat Top to 8 inches at Rowlesburg.

Forest fires continued generally until the 5th when they were put out by widespread drenching rains. Frequent rains replenished streams and helped vegetation, while the snow cover protected vegetation during the cold weather.

TEMPERATURE

The average monthly temperature for the State, based on the records of 60 stations, was 44.7°, or 1.5° above the normal. The mean for the northeastern panhandle division was 43.3°; for the northern division, 43.9°; and for the southern division, 46.0°. The highest monthly mean was 50.4° at Bancroft and the lowest, 37.9° at Bayard. The highest temperature was 86° at Bens Run and Huntington on the 7th and the lowest, −10° at Bayard on the 26th. The greatest daily range was 66° at Bayard on the 10th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 109 stations was 3.96 inches, or 1.20 inches above the normal. In the northeastern panhandle division the average was 2.68 inches; in the northern division, 4.22 inches; and in the southern division, 4.05 inches. The greatest monthly precipitation was 5.87 inches at Philippi, and the least, 1.89 inches at Knobly Mountain. The greatest amount in any 24 consecutive hours was 2.00 inches at Grafton on the 24th. The average monthly snowfall was 11.0 inches, or 8.6 inches above normal. The greatest monthly snowfall was 20.0 inches at Buckhannon. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	19	13	11			4	2		11	10	3	5	1			2	3	2	2	12	16	2	4	2	6	2				1	
Gales				3	2								1	2	3			3						1							
Glaze																								1							
Halos, lunar				1	2	3	2																								
Halos, solar							1											1							1					1	
Sleet								1	1								1						3	4							
Thunderstorms					1													2													
Killing frost	4								11																						

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PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.14	30.49	9	29.61	4	8.9	32	sw.	4	80	55	58	60
Columbus, Ohio	30.13	30.44	9	29.59	18	10.8	37	se.	4	79	60	59	58
Elkins	30.21	30.51	28	29.75	19	6.2	27	sw.	18	85	52	67	64
Parkersburg	30.15	30.49	9	29.73	18	6.8	30	nw.	13	86	56	64	66
Pittsburgh, Pa	30.15	30.47	9	29.70	13	11.6	40	nw.	13	76	56	59	63
Wytheville, Va	30.19	30.50	28	29.75	19	6.7	22	w.	29	83	55	64	58

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	......	......	......
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	......	......	......	......
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	......	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	......	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	.8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
Period	43.2	88	−14	2.15	2.99	2.71	2.76	2.4	9	11	6	13

Climatological Data for November 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	37.9	−1.2	75	†6	−10	26	66	2.59	−0.41	0.92	12.0	8	14	5	11	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	43.4	+1.4	75	†7	−5	28	55	2.65	+.87	1.00	9.0	7	22	1	7	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	49	......	......	......	......	......	......	......	3.25	+1.06	1.07	8.0	11	......	......	......	......	Miss Eleanor White
Inwood	Berkeley	569	6	43.2	......	75	18	0	27	38	3.45	......	1.55	8.0	7	17	5	8	e.	H. W. Prettyman
Kearneysville	Jefferson	548	8	43.4	......	74	†7	2	†26	43	3.06	......	1.16	......	10	14	9	7	w.	University Exper. Station
Martinsburg	Berkeley	435	46	45.2	+2.0	77	7	7	26	43	3.65	+1.40	1.40	14.0	10	23	5	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	42	43.2	+.9	80	18	−9	26	62	2.41	+.86	.70	8.0	6	15	9	6	w.	R. E. Saville
Piedmont	Mineral	1,053	25	44.8	+2.6	80	7	5	26	41	2.40	+.51	.75	8.0	6	13	13	4	s.	C. A. Suter, Jr.
Romney	Hampshire	824	40	45.8	+2.7	79	18	1	26	47	2.22	+.44	.80	7.0	8	17	9	4	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	......	......	......	......	......	......	......	3.29	......	.45	11.0	13	......	......	......	......	Moses R. Bennett
Stony River Dam	Grant	3,300	18	......	......	......	......	......	......	......	2.63	−.32	.80	7.0	6	9	10	11	w.	A. C. Becker
Wardensville	Hardy	1,200	17	43.4	−.5	77	19	−5	26	49	2.00	+.37	.67	6.5	10	......	......	......	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	......	......	......	......	......	......	......	5.20	+1.86	1.71	15.5	11	10	14	6	w.	L. Esle Bond
Alma (near)	Tyler	800	11	......	......	......	......	......	......	......	3.72	+.69	1.00	12.0	9	12	10	8	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	41.6	......	74	2	−3	26	51	4.31	......	1.13	15.0	11	17	5	8	......	Christian Hertig
Benson	Harrison	1,080	14	42.7	−.4	81	†6	−7	26	58	4.41	+.92	1.27	18.0	10	15	9	6	......	R. D. Marts
Bens Run	Pleasants	652	36	47.5	+3.4	86	7	16	28	45	3.74	+.85	1.06	9.1	9	21	5	4	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	47.5	+2.9	83	7	2	26	57	3.92	+.25	1.65	19.0	12	10	11	9	......	M. D. Hawkins
Buckhannon	Upshur	1,411	41	44.6	+2.4	77	7	7	26	44	5.14	+2.04	1.74	20.0	10	20	4	6	......	H. A. Darnall
Cairo	Ritchie	680	37	45.4	+1.7	80	†1	5	24	55	3.33	+.45	1.25	9.0	10	13	12	5	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	42.2	−.6	83	7	4	26	50	3.81	+.62	1.11	15.0	9	13	11	6	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	15	......	......	......	......	......	......	......	4.73	+1.09	1.64	15.0	8	15	10	5	sw.	George W. Blair
Creston	Wirt	640	36	42.3	−1.9	76	6	5	26	47	4.16	+1.41	1.45	14.5	10	17	3	10	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	17	......	......	......	......	......	......	......	3.27	+.12	1.09	12.0	11	......	......	......	......	Lockmaster
Dam 13 O. R	Marshall	655	22	......	......	......	......	......	......	......	3.16	+.78	.72	6.0	12	......	......	......	......	Lockmaster
Dam 15 Mon. R	Marion	882	17	......	......	......	......	......	......	......	3.51	+.22	1.07	14.0	10	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	22	......	......	......	......	......	......	......	2.90	+.26	.85	9.0	11	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	22	......	......	......	......	......	......	......	3.15	+.55	.98	8.0	11	......	......	......	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	26	......	......	......	......	......	......	......	4.00	+1.46	1.25	10.5	8	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	37	43.3	+3.0	75	6	1	26	48	4.28	+1.50	1.26	13.3	11	13	7	10	se.	U. S. Weather Bureau
Fairmont	Marion	883	32	44.8	+1.9	84	7	14	†26	48	3.59	+.83	1.10	15.5	11	17	6	7	sw.	J. C. Robinson
Glenville	Gilmer	738	44	42.7	−1.6	82	6	6	29	45	5.86	+2.81	1.62	12.0	10	0	18	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	47.4	+4.3	85	†7	7	29	51	5.24	+2.81	2.00	17.0	9	22	1	7	......	L. W. Clayton
Hastings	Wetzel	809	3	......	......	......	......	......	......	......	3.76	......	1.15	12.0	13	21	1	8	w.	L. G. McIntyre
Horner	Lewis	1,044	15	......	......	......	......	......	......	......	4.41	+.62	1.70	......	8	......	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	15	......	......	......	......	......	......	......	4.48	+1.16	1.53	......	12	......	......	......	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	43.9	+1.3	81	7	−2	26	54	4.68	+1.87	1.50	17.0	8	21	2	7	w.	Allen Smith
Mannington	Marion	974	35	42.4	+.4	80	7	3	26	48	3.62	+.58	1.07	9.7	10	15	7	8	sw.	James A. Morgan
Morgantown	Monongalia	1,300	45	44.0	+.2	78	7	9	26	44	3.60	+1.07	1.15	14.0	7	19	6	5	......	Bruce Davis
New Cumberland	Hancock	671	40	43.2	+2.2	78	7	10	25	40	3.67	+1.35	.92	7.7	9	15	0	15	se.	C. O. Valentine
New Martinsville	Wetzel	634	44	42.4	−2.4	76	7	8	25	42	3.98	+1.14	1.18	11.3	7	12	10	8	n.	Wm. Ankrom
Parkersburg	Wood	615	51	46.4	+2.6	82	7	15	25	39	2.92	+.35	1.03	8.5	10	15	7	8	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	44.6	+3.4	79	6	4	26	51	3.58	+.65	1.20	9.0	8	18	6	6	......	J. W. Swisher
Philippi	Barbour	1,300	41	......	......	......	......	......	......	......	5.87	+2.94	1.20	14.0	10	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	35	42.2	+1.8	73	6	0	28	40	5.33	+1.11	1.30	16.0	11	18	4	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	......	......	......	......	......	......	......	5.51	+2.14	1.83	15.2	11	18	3	9	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	50	......	......	......	......	......	......	......	4.59	+1.04	1.15	10.5	11	......	......	......	......	W. H. Bolyard
Saint Marys	Pleasants	577	30	......	......	......	......	......	......	......	4.24	+1.44	1.12	10.0	9	......	......	......	......	Edward Hughes
Terra Alta	Preston	2,559	37	39.0	−1.6	74	7	−2	26	49	3.71	+.51	1.20	14.5	7	......	......	......	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	9	......	......	......	......	......	......	......	4.07	......	.97	11.0	11	......	......	......	......	W. Sleeman
Valley Chapel	Lewis	1,011	15	44.4	−.6	82	7	4	26	49	4.83	+1.56	1.50	19.0	12	16	7	7	w.	S. A. Spence
Vandalia	Lewis	1,120	15	......	......	......	......	......	......	......	4.80	+1.42	1.76	16.0	7	......	......	......	......	James B. Kelley
Wellsburg (near)	Brooke	668	31	42.5	+.7	81	7	4	25	50	2.95	+.38	.78	5.8	8	14	6	10	......	George P. Pfister
West Milford	Harrison	979	13	......	......	......	......	......	......	......	4.30	+.69	1.20	13.0	8	......	......	......	......	Scotland G. Highland
Weston	Lewis	1,026	43	47.1	+3.1	84	7	5	26	49	5.02	+2.08	1.17	16.0	11	16	9	5	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	43.7	+1.5	80	7	17	†25	43	3.44	+1.01	.91	6.5	11	13	6	11	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	......	......	......	......	......	......	......	4.45	+1.37	1.60	10.0	9	13	10	7	sw.	H. S. Sutton
Bancroft	Putnam	574	34	50.4	+5.7	85	†7	15	27	40	4.78	+2.16	1.56	10.0	10	15	5	10	......	Fred D. Smith
Beckley	Raleigh	2,440	35	43.9	+3.6	74	12	5	26	45	3.94	+1.35	1.28	8.3	11	15	10	5	......	L. A. Manck
Bluefield	Mercer	2,558	43	48.3	+3.4	77	13	13	28	39	3.38	+1.33	1.63	5.0	8	16	5	9	......	Norfolk & Western Ry.
Charleston	Kanawha	602	35	47.9	.0	82	7	24	26	39	5.20	+2.13	1.44	11.0	10	19	4	7	......	Charleston Daily Mail
Clay	Clay	790	22	......	......	......	......	......	......	......	5.22	+2.32	1.31	11.9	12	......	......	......	......	L. E. Woofter
Flat Top	Mercer	3,260	..	42.9	......	70	2	6	28	32	3.07	......	1.26	8.0	11	......	......	......	......	U. S. Airway Station
Gary	McDowell	1,426	22	46.0	+1.0	79	†7	14	†26	47	2.72	+.02	1.21	2.0	9	......	......	......	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	45.2	......	83	7	11	25	44	3.60	......	1.42	10.2	9	16	8	6	sw.	State Forest Nursery
Hinton	Summers	1,431	41	47.8	+3.7	82	18	14	26	50	3.17	+.76	1.02	3.5	11	......	......	......	......	Mrs. M. L. McClung
Hogsett	Mason	564	22	......	......	......	......	......	......	......	3.56	+.88	1.07	7.4	11	......	......	......	......	Lockmaster
Huntington	Cabell	571	41	49.8	+5.5	86	7	15	25	43	3.58	+1.06	.95	12.4	8	14	10	6	sw.	H. N. Robinson
Institute	Kanawha	616	..	47.2	......	83	7	10	25	44	4.98	......	1.19	7.0	12	......	......	......	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	19	......	......	......	......	......	......	......	3.35	+.22	1.25	5.0	6	......	......	......	......	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	45.4	+3.5	77	†2	8	†26	47	2.76	+.28	1.00	7.4	9	15	9	6	......	J. K. Monroe
Logan	Logan	700	35	47.8	......	82	7	17	26	42	5.19	+1.96	1.65	7.0	10	17	6	7	......	Paul A. Simonds
London Locks	Kanawha	623	2	48.0	......	80	7	16	26	43	4.86	......	1.49	6.0	9	16	0	14	w.	Lockmaster
Madison	Boone	675	17	45.0	+1.5	79	7	12	26	43	4.21	+1.56	1.48	11.0	8	14	7	9	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	42.8	+5.2	76	2	−2	28	53	2.85	−.09	.90	6.5	9	16	6	8	......	U. S. Forest Service
Point Pleasant	Mason	595	45	48.8	+3.5	85	7	13	25	44	3.92	+1.09	1.00	8.5	10	9	13	8	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	42.2	......	76	6	3	†26	49	4.61	......	1.20	11.1	14	17	4	9	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	46.2	+.5	83	7	8	25	43	3.49	+.77	1.00	8.0	10	18	0	12	se.	Lockmaster
Richwood	Nicholas	2,193	8	45.0	......	75	†2	9	28	40	4.15	......	1.18	14.0	11	12	6	12	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	44.6	+1.0	81	7	6	†25	42	3.10	+.55	1.12	6.0	10	18	1	11	......	M. Frazier
Ryan	Roane	700	35	44.3	+.9	85	†6	0	25	57	4.54	+1.67	1.55	9.1	9	15	6	9	......	Wm. E. Ryan
Spencer	Roane	789	34	46.0	+1.9	82	7	12	26	48	4.51	+1.84	1.48	10.0	9	8	12	10	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	......	4.71	......	1.28	......	9	......	......	......	......	Mrs. Anna Taylor
Sutton	Braxton	850	32	45.4	+1.4	81	†3	6	26	51	4.75	+1.55	1.70	15.0	9	......	......	......	......	C. B. Eakle
Union	Monroe	2,250	34	45.8	+3.4	78	†2	4	†27	51	3.04	+.70	1.23	......	9	18	7	5	......	C. B. King
Wayne	Wayne	598	11	......	......	......	......	......	......	......	3.98	+.92	1.47	10.2	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	41.2	−.9	72	6	2	27	50	2.95	+.67	1.30	4.0	7	19	2	9	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	38	47.6	+2.0	80	†6	13	†25	47	4.60	+1.78	1.12	6.5	11	19	4	7	ue.	J. E. Dotson
State averages and	extremes	......	....	**44.7**	**+1.5**	**86**	**7**	**−10**	**26**	**66**	**3.96**	**+1.20**	**2.00**	**11.0**	**9**	**16**	**6**	**8**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. † Also on other dates.

Daily Precipitation for November 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [1]	Potomac					.23	.40			T.	.01				.52					.30					.16	.92			.05				2.59
Brandywine	do					.80			.20					.05				.10	.05	.45						1.00							2.65
Harpers Ferry [1]	do					.05	1.07	.09		.26					.08			.10	.05	.07	.75				.01	.72							3.25
Inwood	do					1.55	.25		.21								.15			.30					.19	.80							3.45
Kearneysville	do					1.06	.10		.14	.13				.10				.09		.50	.01				.67	.26							3.06
Martinsburg [1]	do					.15	.60			.20					.15			.25	.30	.10	.40				.10	1.40			T.				3.65
McNeill	do					.65	T.		.21					.11				.08		.66					.70								2.41
Piedmont	do					.50			.06									.36	.02	.71					.75				T.				2.40
Romney	do					.80	.02		.11	.04				.14						.55					.32	.24							2.22
Spruce Knob [1]	do					.45	.34	.17	.08	.32					.23			.09	.04	.39	.42				.30	.38	T.		.08				3.29
Stony River Dam [1]	do					.35				.80								.14		.32	.46					.56							2.63
Wardensville [1]	do	.02	T.		T.		.67			.25	T.				.06			.15	.04	.07	.22	T.	T.	T.	.10	.42							2.00
Northern Division																																	
Aberdeen	West Fork					1.02			.40					.28	.17			T.	.02	1.71	.02			.03	1.22	.21		.12	T.				5.20
Alma (near)	Ohio					1.00			.33		.10			.24					.30	.96				.06	.60			.13					3.72
Alpena	Cheat					.72		.03	.17					.40	.13			.17	.06	1.13				T.	.40	.90		.20					4.31
Belington [1]	Tygart					.70	.27			.23					.46			.02	T.	.42	1.10				.08	1.21		T.	.03	T.			4.52
Benson	West Fork					.90			.30	.05				.60					.02	1.27				.05	.90	.10		.22					4.41
Bens Run	Ohio					1.06			.50					.14				.03	.35	.85				.06	.64			.11					3.74
Brownsville	West Fork					.09			.27					.25	.16				.04	1.65		.02		.07	.89	.16		.24	.08				3.92
Buckhannon	Tygart					1.08			.25					.47	.05			.05		1.74				.10	1.00	.20		.20					5.14
Cairo	Litl.Kanawha							.39	.05				.08	.15			.03		1.15	.01				1.25	.10		.12						3.33
Clarksburg [1]	West Fork					.78	.12			.22					.46					.64	.42				.05	1.06		T.	.06				3.81
Crawford	do					.94			.34					.17	.28			T.	T.	1.64				.18	1.00	.18		T.					4.73
Creston [1]	Litl.Kanawha					1.45				.36					.26			.08	.02	.84	.33				.33	.48		.01	T.				4.16
Dam 10, Mon. R. [1]	Monongahela					.39	.26			.14					.43			.01	.02	.37	.72				.07	.81			.05				3.27
Dam 13, O. R. [1]	Ohio					.72	.08			.33					.26			.03	.16	.64	.30				.06	.55		.02	.01				3.16
Dam 15, Mon. R. [1]	Monongahela					.55	.29			.24					.26			T.	.05	.40	.67				.10	.85			.10				3.51
Dam 19, O. R. [1]	Ohio					.85			.04	.16				T.	.18			.01	.05	.84	.23				.09	.35		.10					2.90
Dam 20, O. R. [1]	do					.98			.05	.20					.20			.02	.03	.83	.22				.07	.46		.09					3.15
Elizabeth(D'm 3 LK[1]	Litl.Kanawha				1.25				.47					.34			.02	T.	.85	.24					.08	.75							4.00
Elkins [2]	Tygart					1.15			.16					.41			.03	.02	.17	1.12				.08	1.06	.02		.06	T.				4.28
Fairmont [1]	Monongahela				.73	.05			.22					.18			.02	.03	.55	.55				.07	.95			.24					3.59
Glenville [1]	Litl.Kanawha					1.32				.23					.47			.05	.04	.86	.67				.41	1.62		.19					5.86
Grafton	Tygart					.76				.29					.60			.03	.01		1 28				2.00	.18		.09					5.24
Hackers Creek	West Fork					.96	.01		.25					.48						1.54				.10	1.20		.24						4.78
Hastings	Ohio					.98			.24	.08				.15	.03			.04	.02	1.15	.03			.02	.68	.22		.12					3.76
Horner	West Fork				1.00				.25					.22				.04	.04	1.70					1.08	.08							4.41
Ireland	do					1.03			.10					.61	.03				.07	1.66	.21		.17		.81	.07		.12	.08				4.96
Jackson's Mill	do					1.00			.20					.44						1.55				.03	1.12	.02							4.36
Jane Lew	do					1.05			.21	.01				.36	.11			T.	.02	1.53	.02			.08	.90	.16		.03					4.48
Lost Creek	do					1.01	T.		.31					.48	T.			T.	T.	1.50	T.			.05	1.04	.13		.16	T.				4.68
Mannington	Monongahela					.87			.20					.29				.01	.14	1.07				.07	.73	.14		.10					3.62
Morgantown	do					.60			.15		T.		.45						T.	1.15				T.	1.00	.15		.10					3.60
New Cumberland	Ohio					.68			.32					.28			.01		.78	.92				.04	.63			.01					3.67
New Martinsvile	do					1.18			.50					.20					.22	1.05			T.		.75			.08					3.98
Parkersburg [2]	do					.90			.18					.11			.02	.04	.49	.54				.02	.46	T.		.16					2.92
Parsons	Cheat						1.04		.62									*	*	1.20					.48	.16		.08					3.58
Philippi [1]	Tygart					.54	.38			.57					.53			.05	.04	.48	1.20				1.10	.98		T.	T.				5.87
Pickens	do					1.30			.32		.02			.63					.60	1.08	.10				.64	.40		.16	.08				5.33
Roanoke	West Fork					1.03			.40					.31	.09			T.	.05	1.83	.10			.18	1.40	.11		.01					5.51
Rockford	do					1.10			.30					.47					T.	1.59				T.	1.29			.08					4.83
Rowlesburg [1]	Cheat					.48	.43			.20					.76			.06	.10	.40	1.15				.05	.94			.02	T.			4.59
Saint Marys [1]	Ohio					1.12				.44					.23			.02	.97	.41					.15	.76		.14					4.24
Terra Alta [1]	Cheat					.35		.37							.50				.12	1.20					1.12				.05				3.71
Thomas [1]	do					.39	.40			.28					.40			.07	.03	.28	.97				.18	.97	T.		.10	T.			4.07
Valley Chapel	West Fork						.92		.27	.04				.47	.12			.01	.03	1.50	T.			.04	.90	.33		.20					4.83
Vandalia	do					.99			.39				.46							1.76				.11	.99			.10					4.80
Wellsburg (near)	Ohio					.60			.42					.18					.41	.78				.23	.30	.03							2.95
West Milford	West Fork					.95			.30					.58		.05				1.20	.06				1.10			.06					4.30
Weston [1]	do					.80	.22			.32					.48			.04	T.	.60	1.05				.22	1.17		.02	.10	T.			5.02
Wheeling (Dam 12)[1]	Ohio					.72	.09		T.	.45				T.	.23			.04	.22	.91	.20				.03	.54			.01				3.44
Southern Division																																	
Arbovale [1]	Greenbrier					1.60	.23	.08	.27					.07				.25	.10	1.05					.80		T.						4.45
Bancroft	Gr. Kanawha				1.56				.30					.20			.04	.10	1.31	.30				.10	.35	.52		T.					4.78
Beckley	New					1.23	.04		.25					.15				.16	.08	1.28				.07	.52	.04		.12					3.94
Bluefield	do					1.63		.04	.20						.04					.54	.23				.64			.06					3.38
Camden-on-Gauley [1]	Gauley					1.08	.03			.27					.55			.11		.71	.72				.20	1.02			.07				4.76
Charleston [1]	Gr. Kanawha					1.44		.02		.32					.25			.08		1.08	.82				.29	.80		.10					5.20
Clay [1]	Elk					.90	.41			.31				T.	.41			.09	.02	.52	.98				.56	.84		.04	.14				5.22
Flat Top [1]	New					1.26	.01	T.		.09					.07			.05	T.	.34	.43				.06	.69	T.	.01	.06	T.			3.07
Gary [1]	Big Sandy					1.21		.01					.02	.01	.03					.35	.58				.01	.50		T.					2.72
Greenbottom [1]	Ohio					.85			.05	.15								.28		1.24	.18				.08	.74		.03	T.				3.60
Hinton [1]	New					1.02	.07	.04		.32					.08			.02		.35	.28				.05	.92		.02	T.				3.17
Hogsett [1]	Ohio					.89			T.	.29					.22			.01	.07	1.07	.20				.07	.70		.02	.02				3.56
Huntington	do					.85			.22					.27			T.	T.	.48	.95				.05	.70	T.		.06					3.58
Institute [1]	Gr. Kanawha					1.35			.01	.28					.30			.07	.02	1.19	.55				.23	.95		.01	.02				4.98
Kanawha Falls [1]	do					1.25				T.					.35			T.		.55	.80				.20	.20		T.					3.35
Lewisburg	Greenbrier					1.00	.02	.04	.15					T.	.10			.03	T.	.50					.89	T.		.03					2.76
Logan [1]	Guyandot					1.65			T.	.33					.50			.05	.01	1.25	.67				.12	.57		.04	T.				5.19
London Locks [1]	Gr. Kanawha					1.49				.25					.26			.12		.62	1.12				.30	.65		.05					4.86
Madison [1]	Coal					1.48			.26						.25			.14		1.45					.42	.15		.06					4.21
Marlinton	Greenbrier					.79		.08	.24					.07	.01			.08	.03	.90					*	.65							2.85
Point Pleasant [1]	Ohio					.90			T.	.28					.42			.02	.10	1.00	.28				.12	.70		.10					3.92
Rainelle	Gauley					1.20	.02	.05	.28					.21	.16			.11	.01	1.19	.01				.88	.32		.16	.01				4.61
Ravenswood [1]	Ohio					1.00			.02	.16					.42			T.	.05	.94	30				.20	.30			.10				3.49
Richwood [1]	Gauley				.83	.35			.30								.12	.09	.54	.75				.14	.85		.08	.10					4.15
Robertsburg [1]	Gr. Kanawha					1.12			.04	.21					.21			T.	.02	.86	.17				.15	.24		.08					3.10
Ryan	do						.15		1.55					.25				.02	.35	1.25				.06	.83			.08					4.54
Sharples [1]	Coal																	T.		2.00							.32						††
Spencer [1]	Litl.Kanawha					1.48		.03	T.	.32					.37			.10		.98	.43				.08	.72							4.51
Summersville [1]	Gauley					1.28				.34					.35			.07		.95	.65				.33	.70	.04	T.					4.71
Sutton	Elk						1.00		.30					.10	.35			.10		1.70					.96		.08	.16					4.75
Thornwood [1]	Greenbrier					1.00	.30		.39						.17			.18	.06	.62	.61				.11	.81		T.					4.25
Union	New					1.23		.03		.11					.08					.50	.14				.60	.30			.05				3.04
Wayne [1]	Twelvepole					1.03			.08						.18			.01	.04	1.47	.17				.27	.73							3.98
White Sulp'r Spgs. [1]	Greenbrier					1.30	.10		.25						.10					.40					.40	.40		T.					2.95
Williamson [1]	Big Sandy					1.12			.05	.25					.36			.04	.01	1.12	.78				.29	.55		.03					4.60
Winfield Locks [1]	Gr Kanawha					1.46			T.	.24					.20			.02	.01	1.04	.48				.13	.60		.01	.01				4.20

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement. [2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. †† Incomplete.

Supplemental Rainfall Data—Total for this month: Belva.... 4.71 Elk.... 4.68 Hall.... 5.06 Kayford.... 4.67 Midvale.... 4.48 Mt. Clare.... 4.69 Parsons No. 2.... 4.40 Salem.... 3.77 Shinnston.... 3.30 Valley Head.... 4.32 Dailey.... 3.60 Knobly Mt.... 1.89 Brushy Run.... 1.91

Daily Temperatures for November 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	67	74	60	67	67	75	75	65	50	75	64	70	65	42	49	49	62	74	51	52	57	58	56	40	30	30	30	28	46	49	....	55.9
	Minimum	15	17	18	22	37	35	38	45	22	9	10	22	32	28	27	14	15	30	32	28	15	15	25	18	11	−10	−8	6	7	23	....	19.9
Brandywine	Maximum	67	72	73	71	70	72	75	60	55	72	73	75	72	60	58	65	70	73	70	65	60	64	72	60	24	20	22	31	45	50	....	60.5
	Minimum	24	26	27	30	38	50	45	40	22	17	26	29	40	35	30	35	36	40	42	34	22	27	24	22	12	0	−2	−5	11	20	....	26.2
Kearneysville	Maximum	62	71	65	58	60	71	74	74	53	54	58	64	63	55	54	54	49	73	70	48	50	57	57	42	31	30	25	28	39	47	....	54.5
	Minimum	28	28	32	47	56	58	58	48	31	24	29	35	49	39	30	25	36	37	48	38	29	33	35	21	18	2	2	3	16	34	....	32.3
Martinsburg[1]	Maximum	73	70	67	65	70	70	77	76	52	56	65	72	72	53	58	60	55	73	60	56	60	66	56	40	35	28	31	35	53	53	....	58.6
	Minimum	30	30	30	34	50	58	58	57	34	24	25	32	38	40	35	28	24	37	40	38	30	30	32	28	20	7	8	12	16	25	....	31.7
McNeill	Maximum	70	76	73	70	69	72	79	74	54	58	73	75	75	55	58	55	68	80	71	57	61	68	57	51	32	30	35	55	60	58	....	62.3
	Minimum	21	21	23	25	55	54	49	46	23	15	21	29	35	36	23	19	37	35	39	30	19	23	28	20	−1	−9	−6	−7	1	23	....	24.2
Piedmont	Maximum	67	71	68	68	63	75	80	74	52	54	69	73	72	48	54	43	67	73	57	54	56	63	51	28	31	29	25	30	50	52	....	56.6
	Minimum	29	30	31	34	54	53	62	46	33	22	29	38	56	37	32	22	37	40	52	35	28	29	35	26	20	5	7	17	18	37	....	33.1
Romney	Maximum	71	74	70	63	67	71	78	76	53	59	72	75	73	56	57	56	67	79	73	56	60	67	54	49	39	31	28	32	53	58	....	60.7
	Minimum	29	27	29	32	56	54	53	46	33	21	27	35	35	40	33	23	37	39	46	36	26	28	35	21	21	1	3	10	12	35	....	30.8
Wardensville[1]	Maximum	71	75	70	67	66	72	74	73	53	63	65	74	73	51	57	48	66	77	60	56	58	66	58	28	33	32	29	33	62	60	....	59.0
	Minimum	25	26	28	28	39	53	57	60	28	18	25	33	45	38	29	21	28	37	48	34	23	28	31	25	15	−5	−2	−4	3	16	....	27.7
Northern Division																																	
Bens Run	Maximum	77	79	79	82	76	80	86	68	63	62	73	73	69	55	50	62	68	70	57	59	72	64	53	33	37	40	31	34	52	49	....	61.8
	Minimum	33	35	36	37	50	42	51	36	28	26	33	39	49	35	33	28	45	49	43	33	30	36	31	22	17	17	18	16	17	30	....	33.2
Buckhannon	Maximum	62	70	72	70	68	75	77	70	46	60	64	68	68	51	54	60	67	72	62	47	67	60	68	35	28	37	30	29	45	48	....	57.7
	Minimum	28	31	32	30	50	44	55	40	30	22	31	24	43	36	30	26	47	48	47	37	27	29	33	20	19	7	14	15	12	35	....	31.4
Clarksburg[1]	Maximum	69	75	77	75	67	79	83	70	47	62	66	72	70	48	55	61	64	77	54	49	64	61	45	31	29	36	22	29	46	49	....	57.7
	Minimum	25	25	27	27	27	39	48	50	23	20	21	28	33	37	27	22	25	44	51	31	26	26	26	25	17	4	8	16	6	19	....	26.8
Creston	Maximum	62	65	68	73	68	76	75	75	65	65	59	66	65	50	55	60	60	56	57	46	66	65	54	36	25	31	31	31	47	47	....	56.6
	Minimum	23	26	27	34	49	36	46	35	28	18	27	33	47	26	23	23	40	44	42	29	33	27	32	22	8	5	13	14	7	24	....	28.0
Elkins	Maximum	70	74	74	67	66	75	74	69	48	64	67	69	68	45	52	57	66	75	55	51	62	61	58	31	27	33	22	28	49	53	....	57.0
	Minimum	26	26	28	51	43	41	62	30	26	20	27	33	45	34	31	24	43	44	37	29	23	34	29	16	7	1	12	13	14	40	....	29.6
Fairmont	Maximum	70	77	80	77	69	81	84	71	50	65	69	73	69	48	57	59	67	77	55	51	68	64	40	24	33	40	23	28	47	53	....	59.0
	Minimum	27	29	32	33	41	42	50	60	28	22	23	35	38	31	31	25	28	47	55	34	27	29	29	23	16	14	15	16	14	22	....	30.5
Glenville	Maximum	65	65	74	73	67	82	81	75	42	58	67	65	54	51	58	60	65	64	48	54	56	55	53	35	29	36	35	28	48	47	....	56.3
	Minimum	24	27	29	30	49	39	48	37	24	20	22	32	48	36	25	23	47	52	43	31	26	28	33	22	9	7	12	16	6	27	....	29.1
Grafton	Maximum	74	81	83	78	74	83	85	85	52	68	68	69	78	51	58	65	66	80	73	52	64	69	63	40	32	40	41	26	48	52	....	63.3
	Minimum	28	30	32	32	51	43	55	45	29	24	31	35	48	36	29	23	46	46	44	36	27	29	33	20	20	8	18	16	7	27	....	31.6
Lost Creek	Maximum	72	78	77	74	65	80	81	72	60	65	67	72	71	51	56	65	67	80	61	50	68	65	60	37	29	37	40	29	48	50	....	60.9
	Minimum	21	24	26	25	50	39	40	36	22	17	25	31	50	35	25	20	48	45	44	26	21	24	34	21	7	−2	5	15	5	27	....	26.9
Mannington	Maximum	66	72	73	73	69	76	80	75	46	60	65	70	69	50	55	57	62	74	59	48	60	60	55	32	32	35	30	29	44	47	....	57.4
	Minimum	22	24	26	26	51	37	45	37	24	18	25	30	45	35	24	19	45	42	42	32	23	25	32	21	8	3	14	16	4	26	....	27.4
Morgantown	Maximum	66	75	77	77	66	70	78	66	51	56	70	71	65	50	54	55	64	65	48	52	71	56	45	31	33	32	32	24	42	46	....	56.3
	Minimum	40	35	34	33	45	33	53	38	31	21	33	38	45	30	31	22	44	45	40	30	31	36	31	23	19	9	16	14	20	28	....	31.6
New Cumberland	Maximum	70	72	73	74	70	74	78	68	48	58	66	66	62	51	50	51	62	66	54	52	62	58	44	33	31	34	29	29	41	47	....	55.8
	Minimum	32	33	36	34	52	43	46	35	29	26	31	40	48	35	27	21	46	42	42	30	32	32	29	22	10	11	18	17	25	30	....	31.8
New Martinsville	Maximum	65	62	72	72	64	72	76	70	52	56	62	72	58	52	55	60	66	70	58	52	65	64	62	35	32	40	27	32	49	50	....	57.4
	Minimum	28	27	32	30	45	40	45	30	22	26	24	32	45	30	23	18	39	42	38	28	24	30	26	18	8	10	15	12	14	23	....	27.5
Parkersburg	Maximum	70	75	76	75	69	77	82	68	49	62	69	72	70	51	58	60	64	73	56	50	64	64	40	30	30	38	27	31	47	52	....	58.3
	Minimum	31	38	43	47	47	43	56	34	27	26	37	44	44	36	30	29	45	55	38	32	30	40	30	22	15	22	17	16	26	32	....	34.4
Parsons	Maximum	71	77	76	72	67	79	78	65	68	68	69	73	69	60	55	59	68	78	58	55	63	63	60	36	32	31	22	27	51	50	....	60.0
	Minimum	26	26	27	42	41	42	42	35	31	21	27	31	40	40	30	26	40	42	40	36	26	30	36	20	12	4	14	15	12	26	....	29.3
Pickens	Maximum	65	70	71	65	64	73	72	66	65	65	57	65	63	53	49	55	61	70	59	51	57	57	51	49	39	31	29	25	43	48	....	56.3
	Minimum	29	39	34	45	42	42	48	28	25	30	23	34	43	34	27	24	38	42	37	30	24	36	33	9	6	3	9	0	10	20	....	28.1
Wellsburg	Maximum	68	75	77	76	70	74	81	70	48	51	65	69	67	49	53	50	58	68	58	49	62	60	49	30	32	34	32	30	46	59	....	57.0
	Minimum	25	26	27	27	48	32	43	34	24	19	25	34	47	34	23	18	39	39	41	30	24	28	29	22	4	10	17	16	25	30	....	28.0
Weston	Maximum	72	77	80	77	77	83	84	80	52	68	70	74	69	51	58	66	63	80	73	53	67	67	64	37	32	39	36	30	49	65	....	63.1
	Minimum	27	29	31	31	50	42	51	41	27	22	30	36	50	36	29	26	49	46	44	31	27	30	36	25	13	5	12	10	10	38	....	31.1
Wheeling	Maximum	69	76	76	77	66	77	80	59	51	58	68	68	51	47	53	53	61	68	46	48	63	56	35	26	30	35	27	30	46	48	....	54.9
	Minimum	35	33	36	37	52	40	39	55	31	28	27	32	42	37	30	24	27	47	45	33	32	32	35	25	17	17	23	17	19	28	....	32.5
Southern Division																																	
Beckley	Maximum	71	73	73	68	70	73	73	65	47	67	66	74	68	44	53	59	65	73	63	52	59	61	58	49	28	37	26	32	47	52	....	58.2
	Minimum	26	31	35	43	42	49	54	33	18	23	31	35	41	28	25	23	59	48	39	30	21	30	33	15	12	5	9	8	14	27	....	29.6
Bluefield	Maximum	72	74	71	69	69	73	73	66	53	68	67	75	77	55	55	57	64	73	69	53	59	62	60	59	41	32	31	38	46	53	....	60.5
	Minimum	35	38	43	53	48	50	56	40	24	37	38	41	48	34	30	34	46	54	52	32	28	41	44	20	18	16	15	13	21	35	....	36.1
Charleston	Maximum	70	71	71	76	69	78	82	52	49	64	68	76	74	52	52	63	71	79	59	58	65	65	45	37	36	38	39	35	51	45	....	59.7
	Minimum	40	37	41	41	50	49	48	51	30	29	29	39	45	38	32	33	35	48	35	36	35	34	39	29	28	24	26	25	27	29	....	36.1
Flat Top	Maximum	67	70	65	64	62	67	66	62	50	61	62	68	64	43	48	51	59	68	54	48	52	56	54	38	22	29	17	22	43	46	....	52.6
	Minimum	40	48	48	45	41	48	55	30	20	32	41	46	43	29	32	32	38	48	39	31	32	36	38	14	12	11	9	6	20	32	....	33.2
Gary[1]	Maximum	72	77	77	72	74	74	79	69	53	70	72	79	70	50	57	62	70	78	58	55	64	66	64	37	30	40	22	36	53	57	....	61.2
	Minimum	29	30	31	32	50	44	50	51	24	25	28	35	37	33	22	23	29	46	53	34	27	27	30	35	21	14	14	17	14	15	....	30.7
Hinton[1]	Maximum	78	81	80	73	75	78	80	70	59	70	75	79	73	55	62	65	69	82	57	60	67	70	67	40	32	42	26	42	56	60	....	64.1
	Minimum	31	31	31	36	47	50	53	55	28	25	26	32	38	34	23	24	34	43	44	39	29	28	30	35	20	14	15	15	15	17	....	31.4
Huntington	Maximum	77	76	81	79	74	80	86	76	54	69	74	78	70	58	63	65	63	81	59	59	68	69	61	35	38	42	37	36	53	59	....	64.0
	Minimum	35	38	39	43	51	42	53	39	26	26	36	44	55	35	30	32	45	55	46	35	32	37	35	24	15	19	21	20	22	40	....	35.7
Lewisburg	Maximum	74	77	72	66	63	77	71	68	55	65	67	74	68	51	55	55	65	70	64	55	56	62	63	47	38	33	23	32	46	54	....	58.9
	Minimum	27	31	38	45	49	55	57	39	21	23	30	37	40	34	29	29	39	57	45	32	25	30	35	23	14	8	8	8	15	30	....	31.8
Logan[1]	Maximum	77	75	78	78	71	79	82	52	52	69	71	75	70	55	61	67	68	79	58	58	64	64	49	32	39	40	32	37	52	57	....	61.4
	Minimum	35	36	36	37	49	47	52	52	30	27	27	35	41	34	29	29	32	50	56	42	34	34	35	32	23	17	19	20	20	20	....	34.3
Madison	Maximum	69	74	76	78	77	70	79	52	51	36	71	75	76	54	60	60	66	69	78	56	55	65	46	47	31	33	39	29	34	48	....	58.5
	Minimum	30	32	33	42	47	43	51	28	23	25	30	36	42	31	28	26	32	49	54	38	29	32	31	30	14	12	16	19	16	27	....	31.5
Marlinton	Maximum	74	76	72	66	63	73	67	62	55	64	69	71	67	50	54	54	61	72	68	56	57	61	63	55	46	30	25	44	41	54	....	59.0
	Minimum	25	23	25	36	48	49	51	40	22	18	23	32	34	33	29	23	35	43	47	28	21	23	28	20	11	3	3	−2	5	22	....	26.6
Point Pleasant	Maximum	75	77	80	79	73	82	85	78	55	69	73	80	73	56	62	64	68	75	57	56	65	66	41	34	37	41	37	35	59	58	....	63.0
	Minimum	31	37	38	47	50	41	54	39	27	25	35	43	50	38	29	28	44	55	45	34	30	34	36	25	13	18	20	16	19	37	....	34.5
Rainelle	Maximum	70	73	70	64	66	76	69	65	52	64	67	72	65	48	52	53	62	72	64	51	55	59	56	49	21	31	27	30	46	52	....	56.7
	Minimum	21	24	26	46	47	46	58	37	21	30	24	31	41	32	20	23	39	43	41	34	20	25	29	20	16	3	5	10	3	16	....	27.7
Ravenswood	Maximum	70	74	78	72	73	78	83	77	51	63	68	72	71	52	58	61	62	61	57	54	65	66	65	35	33	39	38	32	50	53	....	60.4
	Minimum	27	32	36	43	49	39	53	35	23	23	32	39	48	36	26	25	39	52	44	31	27	34	32	22	8	19	20	15	15	32	....	31.9
Richwood	Maximum	70	75	73	66	70	74	73	65	51	66	67	75	67	45	52	55	65	73	59	50	57	60	58	54	30	35	22	31	48	52	....	57.9
	Minimum	34	35	36	49	50	51	60	25	24	31	38	37	33	27	27	29	46	53	36	26	28	36	31	33	17	18	11	9	11	22	....	32.1
Robertsburg[1]	Maximum	69	70	71	79	69	78	81	50	63	65	67	79	70	52	62	62	69	68	54	52	64	63	44	27	36	38	30	34	45	55	....	58.9
	Minimum	30	32	35	37	44	42	48	47	24	24	27	39	47	31	26	26	29	46	50	32	28	29	32	26	6	6	19	12	14	22	....	30.3
Ryan	Maximum	75	80	80	75	80	85	85	72	53	75	60	85	70	54	60	65	65	70	56	50	65	65	45	35	32	40	26	30	50	50	....	61.1
	Minimum	23	28	28	42	40	38	38	35	20	18	27	34	49	26	22	23	42	47	43	30	23	26	31	22	0	5	16	16	9	23	....	27.5
Spencer[1]	Maximum	74	71	79	77	70	81	82	55	50	62	68	72	69	53	60	65	65	79	55	55	65	61	42	27	29	39	25	31	49	56	....	58.9
	Minimum	26	32	35	38	50	42	52	54	24	22	32	34	48	36	28	26	48	48	55	31	26	27	38	27	13	12	18	22	13	36	....	33.1
Sutton	Maximum	70	75	81	81	73	75	80	80	50	65	68	76	76	50	57	63	65	75	75	52	65	65	62	45	30	31	31	30	48	53	....	61.6
	Minimum	28	28	30	32	32	44	42	40	25	20	29	36	40	36	27	26	44	47	42	34	27	30	34	23	17	6	14	16	7	24	....	29.3
Union	Maximum	73	78	78	72	67	77	71	73	56	71	74	76	76	59	55	57	73	76	74	59	60	64	65	63	33	33	26	35	48	54	....	62.5
	Minimum	23	27	35	37	48	53	55	41	21	24	26	28	39	33	25	24	37	39	50	23	28	29	33	30	14	5	4	4	6	29	....	29.0
White Sulphur Spgs.	Maximum	60	66	64	54	63	72	71	70	56	64	64	64	62	57	60	49	65	70	58	62	62	58	56	50	35	30	29	34	50	52	....	56.9
	Minimum	21	25	27	28	42	50	52	20	20	19	20	31	32	22	23	42	40	40	50	30	21	20	21	40	9	3	2	7	3	5	....	25.5
Williamson[1]	Maximum	78	76	77	76	74	80	80	52	54	71	73	78	67	57	62	64	70	79	57	59	69	68	58	34	34	41	25	40	55	58	....	62.2
	Minimum	34	35	36	37	47	45	48	50	29	28	29	31	41	33	28	28	32	48	55	41	33	33	33	32	13	13	22	17	18	19	....	32.9

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 12-28-38—900)

7.03
wE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVI PARKERSBURG, W. VA., DECEMBER 1938 No. 12

GENERAL SUMMARY

The month was practically normal in temperature. There were brief cold spells centering on the 15-16th and 28-29th; otherwise the temperature was normal or above, with the warm period from the 2d to 12th. Only three stations reported readings of zero or lower, while the State minimum of −5° was the highest State minimum for December since 1933. On the other hand, no station reported a reading of 70°, as is usual for the month.

It was the driest December since 1925 and the fourth driest December of record. Only the northeastern Panhandle reported normal amounts, while the marked deficiencies occurred in the northern division. The snowfall was the lightest December amount since 1931. The bulk of the snow fell at high-level stations, with little or none in the great valleys. Some sleet fell at scattered points during the last decade. Snows on the 21st made highway traveling hazardous in Tucker and surrounding Counties.

High winds were rather general from the 26th to the 28th, and on the 26th caused much minor damage, principally to wires and poles, in the north-central Counties.

Winter crops made fair progress, although lacking a protective snow cover. Some plowing was done during the first half of the month.

UNIVERSITY OF ILLINOIS

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 34.7°, or 0.1° above the normal. The mean for the northeastern panhandle division was 34.5°; for the northern division, 32.9°; and for the southern division, 35.6°. The highest monthly mean was 39.2° at Bancroft and the lowest, 27.0° at Bayard. The highest temperature was 69° at Hinton on the 4th and the lowest, −5° at Bayard on the 29th. The greatest daily range was 44° at Bayard on the 17th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 108 stations was 1.81 inches, or 1.50 inches below the normal. In the northeastern panhandle division the average was 2.60 inches; in the northern division, 1.58 inches; and in the southern division, 1.87 inches. The greatest monthly precipitation was 4.58 inches at Martinsburg and the least, 0.60 inch at Shinnston. The greatest amount in any 24 consecutive hours was 2.28 inches at Wardensville on the 10th. The average monthy snowfall was 2.1 inches, or 4.2 inches below the normal. The greatest monthly snowfall was 16.5 inches at Stony River Dam. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	11	1	1	11	4			3	11	2	1	1			1			5	4	1			1	1	1						4
Gales		1			2																					4	5	3	2		1
Glaze										1																					
Halos, lunar					1				1																			1			
Halos, solar												2				2							1								
Sleet						1		2	1											1		1	5			4	2				
Thunderstorms																															

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.11	30.71	28	29.62	26	8.4	30	sw.	27	76	63	64	57
Columbus, Ohio	30.09	30.70	28	29.59	26	10.4	37	w.	27	74	67	67	43
Elkins	30.12	30.67	28	29.62	9	7.1	28	w.	27	81	64	69	40
Parkersburg	30.11	30.70	28	29.63	26	6.6	24	w.	27	81	66	72	39
Pittsburgh, Pa	30.08	30.64	28	29.61	26	11.4	36	w.	27	78	66	70	36
Wytheville, Va	30.12	30.62	28	29.69	9	7.8	25	w.	10	81	64	72	47

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	......	......	......	......
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	......	......	......
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	0.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	65	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
Period	34.6	83	−37	2.51	3.54	3.28	3.31	6.3	11	9	7	15

Climatological Data for December 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	27.0	−1.1	58	4	−5	29	44	2.25	−1.59	0.47	4.0	11	11	2	18	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	22	32.7	−1.5	57	7	5	29	34	1.30	−.80	.95	5.0	4	18	0	13	n.	E. L. Keister
Harpers Ferry	Jefferson	400	49	......	......	......	......	......	......	....	3.43	+.82	1.25	.5	7	....	....	....	......	Miss Eleanor White
Inwood	Berkeley	569	6	34.6	......	63	12	10	29	33	3.04	......	1.10	2.5	5	12	8	11	w.	H. W. Prettyman
Kearneysville	Jefferson	548	8	33.6	......	50	12	12	29	26	3.58	......	1.58	....	11	11	11	9	n.	University Exper. Station
Martinsburg	Berkeley	435	46	34.4	+.4	58	4	13	29	30	4.58	+1.82	2.00	2.2	9	20	9	2	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	42	32.9	+.3	63	4	−2	29	39	2.02	−.04	1.08	4.0	5	9	10	12	w.	R. E. Saville
Piedmont	Mineral	1,053	25	32.6	−.4	59	4	4	29	27	1.45	−.96	.80	8.0	9	10	7	14	w.	C. A. Suter, Jr.
Romney	Hampshire	824	40	34.4	−.1	64	4	4	29	33	2.82	+.57	1.83	3.8	7	12	8	11	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	6	......	......	......	......	......	......	....	1.73	......	.47	13.0	11	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	18	......	......	......	......	......	......	....	2.62	−.62	.60	16.5	9	6	4	21	w.	A. C. Becker
Wardensville	Hardy	1,200	17	33.6	−.1	63	4	5	29	36	3.56	+1.82	2.28	2.0	6	8	13	10	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	14	......	......	......	......	......	......	....	1.57	−1.43	.40	T.	9	6	9	16	w.	L. Esle Bond
Alma (near)	Tyler	800	11	......	......	......	......	......	......	....	1.22	−1.76	.36	.5	11	9	3	19	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	7	30.3	......	59	4	4	28	40	2.25	......	.57	4.5	11	11	5	15	w.	Christian Hertig
Benson	Harrison	1,080	14	33.9	−2.3	61	5	8	†16	42	1.25	−2.24	.40	T.	7	9	9	13	......	R. D. Marts
Bens Run	Pleasants	652	36	36.0	+1.2	60	4	17	†16	34	1.68	−1.88	.39	T.	10	12	8	11	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	15	35.8	−.8	63	4	11	†1	37	1.92	−1.40	.42	.4	9	15	6	10	......	M. D. Hawkins
Buckhannon	Upshur	1,411	41	35.8	+1.6	60	5	12	28	33	1.63	−2.55	.35	T.	10	12	1	18	......	H. A. Darnall
Cairo	Ritchie	680	37	36.0	+1.3	63	†4	11	†15	37	1.52	−1.93	.49	T.	7	7	15	9	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	16	32.6	−2.6	60	4	11	†19	35	1.26	−1.82	.33	T.	10	7	3	21	w.	Clarksburg Water Board
Crawford	Lewis	1,107	15	......	......	......	......	......	......	....	1.71	−1.88	.32	.5	11	9	6	16	nw.	George W. Blair
Creston	Wirt	640	36	34.0	−1.3	61	†4	8	28	37	1.63	−1.84	.44	T.	9	8	8	15	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	17	......	......	......	......	......	......	....	1.55	−1.87	.27	2.3	12	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	22	......	......	......	......	......	......	....	1.37	−1.61	.64	2.0	10	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	17	......	......	......	......	......	......	....	1.48	−1.65	.40	.5	10	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	22	......	......	......	......	......	......	....	1.33	−1.80	.53	T.	11	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	22	......	......	......	......	......	......	....	1.24	−1.90	.44	T.	7	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	26	......	......	......	......	......	......	....	1.46	−1.67	.46	T.	7	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	37	33.7	+1.0	61	4	9	28	38	1.69	−1.77	.32	1.2	14	6	8	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	32	34.2	+.2	62	4	11	†28	38	1.82	−1.67	.40	3.7	11	11	5	15	w.	J. C. Robinson
Glenville	Gilmer	738	44	34.4	−1.5	65	4	11	†16	33	1.69	−2.24	.57	T.	9	9	8	14	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	37.6	+3.4	67	5	12	28	42	1.31	−1.77	.31	1.0	9	8	11	12	......	L. W. Clayton
Hastings	Wetzel	809	3	......	......	......	......	......	......	....	1.53	......	.27	.5	11	7	7	17	w.	L. G. McIntyre
Horner	Lewis	1,044	15	......	......	......	......	......	......	....	.92	−2.61	.36	T.	5	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	15	......	......	......	......	......	......		1.48	−1.60	.40	T.	8	....	....	....	.....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	40	35.0	+.6	62	†4	10	†16	40	1.67	−1.86	.38	T.	10	8	4	19	w.	Allen Smith
Mannington	Marion	974	35	33.5	−.1	56	4	9	16	35	1.87	−1.70	.39	3.7	14	6	8	17	w.	James A. Morgan
Morgantown	Monongalia	1,300	45	36.8	+2.4	64	4	11	28	41	1.32	−1.78	....	5.0	10	15	8	8	......	Bruce Davis
New Cumberland	Hancock	671	40	34.8	+3.1	56	4	10	28	30	1.23	−1.53	.34	2.8	12	11	3	17	nw.	C. O. Valentine
New Martinsville	Wetzel	634	44	33.0	−2.3	60	4	8	28	26	1.77	−1.79	.44	1.5	9	11	6	14	n.	Wm. Ankrom
Parkersburg	Wood	615	51	36.0	+.8	60	4	12	28	26	1.15	−1.88	.47	T.	10	9	3	19	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	38	34.3	+2.0	61	4	10	28	37	2.07	−1.98	.48	4.0	10	7	5	19	......	J. W. Swisher
Philippi	Barbour	1,300	41	...	......	......	......	......	......	....	1.89	−1.88	.53	1.2	13	....	....	....	......	H. F. Brittingham
Pickens	Randolph	2,697	35	33.2	+1.0	60	17	4	28	40	3.10	−2.28	.42	10.0	15	9	4	18	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	15	......	......	......	......	......	......	....	1.60	−1.77	.37	.6	12	9	5	17	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	50	......	......	......	...	......	...		1.53	−2.85	.32	2.0	11	....	....	....	......	W. H. Bolyard
Saint Marys	Pleasants	577	30	......	......	......	......	......	......	....	1.40	−1.94	.55	T.	8	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	37	......	......	......	......	......	......	....	....	......	....	....	..	....	....	....	......	John Dee Williston
Thomas	Tucker	3,000	9	......	......	......	......	......	......	....	2.53	......	.46	5.2	11	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	15	35.7	−1.8	61	†4	10	28	34	1.45	−1.77	.34	T.	10	7	5	19	w.	S. A. Spence
Vandalia	Lewis	1,120	15	......	......	......	......	......	......	....	1.26	−1.14	.26	3.0	7	....	....	....	......	James B. Kelley
Wellsburg (near)	Brooke	668	31	33.2	+.8	52	†3	10	†16	33	1.38	−1.53	.40	1.0	7	6	7	17	......	George P. Pfister
West Milford	Harrison	979	13	......	......	......	......	......	......	....	1.60	−1.48	.32	T.	10	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	43	35.9	+.1	67	4	10	28	34	1.84	−1.79	.34	1.0	11	2	13	16	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	51	32.8	+.2	57	4	11	†28	28	1.59	−1.39	.52	4.0	11	3	8	20	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	12	......	......	......	......	......	......	....	1.63	−1.53	.40	7.0	9	12	5	14	w.	H. S. Sutton
Bancroft	Putnam	574	34	39.2	+3.8	64	†4	15	28	30	1.69	−1.78	.56	......	7	7	6	18	......	Fred D. Smith
Beckley	Raleigh	2,440	35	32.5	+1.2	62	4	5	28	33	2.84	−.47	.66	4.8	13	10	8	13	......	L. A. Mauck
Bluefield	Mercer	2,558	43	37.0	+.1	63	4	10	28	25	1.64	−1.24	.72	3.0	8	14	6	11	......	Norfolk & Western Ry.
Charleston	Kanawha	602	35	38.1	−1.5	64	5	15	28	29	1.46	−2.18	.58	1.0	7	11	5	15	......	Charleston Daily Mail
Clay	Clay	790	22	......	......	......	......	......	......	....	1.76	−1.74	.55	T.	10	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,260	..	31.2	......	55	4	4	28	26	1.82	......	.62	12.0	8	....	....	....	......	U. S. Airway Station
Gary	McDowell	1,426	22	36.0	−1.8	58	4	12	†28	36	2.10	−1.27	.72	.2	11	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	1	35.0	....	67	4	13	28	31	1.48	......	.53	T.	7	9	9	13	sw.	State Forest Nursery
Hinton	Summers	1,431	41	35.6	−.2	69	4	11	†20	29	1.92	−1.26	.72	T.	8	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	22	......	......	......	......	......	......	....	1.43	−1.83	.51	......	9	....	....	....	......	Lockmaster
Huntington	Cabell	571	41	38.6	+3.0	66	4	16	28	30	1.58	−1.79	.55	T.	6	5	13	13	se.	H. N. Robinson
Institute	Kanawha	616	..	38.1	......	65	4	12	28	42	1.52	......	.77	T.	6	....	....	....	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	19	......	......	......	......	......	......	....	1.80	−1.56	.55	......	6	....	....	....	......	Miss Loula M. Brown
Lewisburg	Greenbrier	2,250	38	34.3	+1.1	62	4	10	†28	30	1.77	−1.34	.49	5.0	10	10	7	14	......	J. K. Monroe
Logan	Logan	700	35	37.4	......	65	5	15	†28	30	2.37	−1.73	.98	T.	9	11	5	15	......	Paul A. Simonds
London Locks	Kanawha	623	2	39.0	......	60	†5	18	†28	37	1.87	......	.56	T.	8	10	0	21	w.	Lockmaster
Madison	Boone	675	17	36.1	+1.1	61	4	14	28	27	1.94	−.96	.53	......	6	6	19	6	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	38	31.8	+2.4	59	4	−2	29	38	2.00	−1.90	.72	7.6	11	9	7	15	w.	U. S. Forest Service
Point Pleasant	Mason	595	45	36.9	+1.1	64	4	14	28	32	1.64	−1.86	.49	T.	7	13	1	17	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	8	31.8	......	57	4	7	25	32	2.73	......	.80	8.0	15	12	0	19	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	15	36.0	−1.9	62	5	11	28	33	1.43	−1.89	.46	......	7	10	3	18	sw.	Lockmaster
Richwood	Nicholas	2,193	8	34.2	......	60	4	9	†27	32	2.93	......	.92	6.5	15	7	10	14	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	38	35.2	+.5	64	4	13	16	39	1.57	−1.77	.52	T.	10	....	....	....	......	M. Frazier
Ryan	Roane	700	35	34.8	+.3	60	4	10	28	39	1.59	−1.66	.55	1.0	12	11	2	18	......	Wm. E. Ryan
Spencer	Roane	789	34	36.2	−.3	65	5	12	28	31	1.59	−1.82	.47	T.	8	5	8	18	......	A. M. McKown
Summersville	Nicholas	1,894	5	......	......	......	......	......	......	....	1.86	......	.55	T.	7	....	....	....	......	Mrs. Anna Taylor
Sutton	Braxton	850	32	35.6	+.4	65	†4	12	†16	41	1.60	−2.22	.45	T.	9	....	....	....	......	C. B. Eakle
Union	Monroe	2,250	34	34.8	+.8	63	4	9	28	35	1.56	−1.36	.60	......	9	11	9	11	......	C. B. King
Wayne	Wayne	598	11	......	......	......	......	......	......	....	1.85	−1.18	.65	......	10	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	28	32.4	−.7	61	4	6	29	32	1.50	−1.60	.65	3.0	5	14	2	15	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	38	37.8	+.2	67	4	16	†28	33	2.72	−1.06	1.05	......	9	12	7	12	ne.	J. E. Dotson
State averages and	extremes	......	....	**34.7**	**+.1**	**69**	**4**	**−5**	**29**	**44**	**1.81**	**−1.50**	**2.28**	**2.1**	9	**10**	7	**14**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. † Also on other dates.

Daily Precipitation for December 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[1]	Potomac	....	....	....	.20	....	.25	.04	....	.06	.43	....	.27	.12	....	....	....	....	T.	....	....	....	.08	....	.13	....	.20	.47	....	....	....	....	2.25
Brandywine	do	....	....	....	....	....	.15	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	.95	....	....	....	....	1.30
Harpers Ferry[1]	do	....	....	....	.18	.45	.72	....	....	T.	1.25	....	T.	....	....	....	....	....	.03	....	....	....	....	....	....	.03	....	.77	....	....	....	....	3.43
Inwood	do	....	....	....	....	1.09	....	....	T.	....	1.10	....	....	....	....	....	....	....	.06	....	....	....	....	....	.01	....	.78	....	....	....	....	....	3.04
Kearneysville	do	....	....	.03	.10	.85	.36	....	....	.14	1.44	....	.03	....	....	....	....	....	.05	....	....	....	....	....	....	.04	.09	.45	....	....	....	....	3.58
Martinsburg[1]	do	....	....	....	.20	.50	.60	....	....	T.	2.00	.05	.05	....	....	....	....	....	.08	....	....	....	T	....	T.	....	.30	.80	....	....	....	....	4.58
McNeill	do	....	....	....	.07	....	.16	....	T.	T.	1.08	....	T.	....	....	....	....	....	....	....	....	T.	T.	T.	....	....	.36	.35	....	....	....	....	2.02
Piedmont	do	....	....	....	.18	.06	T.	....	T.	.03	.27	....	.01	....	....	....	....	....	....	....	....	T.	T.	.06	....	.04	.41	.39	....	....	....	....	1.45
Romney	do	....	....	....	.10	.20	....	....	....	.07	1.83	....	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	.30	....	....	....	....	2.82
Spruce Knob[1]	do	....	....	....	.17	....	.19	T.	T.	.08	.47	....	.29	.04	....	....	....	....	.04	....	....	T.	.08	T.	.12	.09	....	.16	T.	....	....	....	1.73
Stony River Dam[1]	do	....	....	....	....	....	.17	.10	....	.15	....	....	.20	....	....	....	....	....	.20	....	....	....	.20	....	.60	.40	....	.60	....	....	....	....	2.62
Wardensville[1]	do	....	....	....	.07	.18	.45	....	....	T.	2.28	T.	T.	....	T.	....	....	....	.04	T.	....	T.	T.	T.	T.	....	....	.54	....	....	....	....	3.56
Northern Division																																	
Aberdeen	West Fork	....	T.	....	.14	T.	.06	T.	.16	.21	T.	....	.24	....	....	....	....	T.	....	....	....	T.	T.	.24	.02	T.	.40	.10	....	....	....	....	1.57
Alma (near)	Ohio	....	....	.15	....	....	.12	....	.05	.10	....	....	.05	....	....	....	....	....	....	....	....	.02	....	.27	.03	.03	.36	.04	....	....	....	....	1.22
Alpena	Cheat	....	....	....	.07	.08	T.	....	.11	.03	.55	....	.39	....	....	....	....	....	T.	....	T.	.10	.05	.57	.20	....	.10	....	....	....	....	....	2.25
Belington[1]	Tygart	....	....	T.	.16	....	.19	.05	....	.10	.13	T.	.20	.03	T.	....	....	....	T.	T.	....	T.	.04	T.	.32	.07	T.	.34	.02	....	T.	T.	1.65
Benson	West Fork	....	....	....	.12	....	.10	....	.10	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	.03	....	.40	....	....	....	....	....	1.25
Bens Run	Ohio	....	....	.10	....	T.	.28	....	.06	.09	....	....	.11	....	....	....	....	....	....	....	....	T.	....	.37	.03	.02	.39	.23	....	....	....	....	1.68
Brownsville	West Fork	....	....	....	.25	....	....	....	.18	.21	....	.24	.24	....	....	....	....	....	....	....	....	.02	.02	.34	....	....	.42	....	....	....	....	....	1.92
Buckhannon	Tygart	....	....	....	.20	.10	T.	.05	.15	.11	T.	....	.24	....	....	....	....	T.	....	....	....	T.	....	.24	.05	....	.35	.14	....	....	....	....	1.63
Cairo	Litl.Kanawha	....	....	....	....	....	....	.06	.12	....	....	.10	....	....	....	....	....	....	....	....	....	....	.49	....	....	.18	.43	.14	....	....	....	....	1.52
Clarksburg[1]	West Fork	....	....	....	.14	....	.11	.02	....	.10	.18	....	.13	....	....	....	....	....	....	....	....	....	.02	....	.19	.04	T.	.33	....	....	....	....	1.26
Crawford	do	....	....	.11	....	.07	.02	....	.26	.17	....	....	.20	....	....	....	....	....	....	....	....	T.	....	.32	.16	.08	.20	.12	....	....	....	....	1.71
Creston[1]	Litl.Kanawha	....	....	....	.09	....	.05	T.	....	.10	.15	T.	.31	....	....	....	....	....	....	....	....	....	T.	.24	.24	.01	T.	.44	T.	....	T.	T.	1.63
Dam 10, Mon. R.[1]	Monongahela	....	....	....	.31	....	.11	.04	....	.07	.12	....	.05	....	....	....	....	....	....	....	....	....	.03	....	.16	.13	.01	.25	.27	....	....	....	1.55
Dam 13, O. R.[1]	Ohio	....	....	T.	.14	....	....	....	....	.02	.07	....	.14	.02	....	....	....	....	....	....	....	....	....	.03	.09	.18	T.	.64	.04	....	....	....	1.37
Dam 15, Mon. R.[1]	Monongahela	....	....	....	.29	....	.11	.02	....	.10	.23	....	.05	....	....	....	....	....	....	....	....	T.	T.	....	.15	.08	T.	.40	.05	....	....	....	1.48
Dam 19, O. R.[1]	Ohio	....	T.	.02	.13	....	.04	T.	....	.03	.03	....	.08	.01	....	....	....	....	....	....	....	....	T.	.13	.32	.01	....	.53	T.	....	....	....	1.33
Dam 20, O. R.[1]	do	....	....	T.	.12	....	.01	T.	....	T.	.12	....	.05	....	....	....	....	....	....	....	....	....	T.	.20	.30	....	T.	.44	....	....	....	....	1.24
Elizabeth(D'm 3 LK[1]	Litl.Kanawha	....	....	....	.38	T.	.04	....	T.	.04	....	.12	....	....	....	....	....	....	....	....	....	....	.22	.20	....	....	.46	....	....	....	....	....	1.46
Elkins[2]	Tygart	....	T.	.16	....	.22	.02	....	.08	.21	.02	.02	.18	T.	....	....	....	.01	T.	....	....	.09	....	.28	.08	T.	.23	.09	....	T.	T.	....	1.69
Fairmont[1]	Monongahela	....	....	.40	....	.10	.03	....	.10	.30	....	.07	....	....	....	....	....	....	....	....	T.	.05	.02	.15	.25	T.	.35	....	....	....	....	....	1.82
Glenville[1]	Litl.Kanawha	....	....	....	.26	....	T.	.10	....	.06	.11	....	.27	....	....	....	....	....	....	....	....	....	T.	.04	.25	.03	T.	.57	....	....	T.	....	1.69
Grafton	Tygart	....	....	....	.15	....	....	.04	.10	.25	....	....	.10	....	....	....	....	....	....	....	....	....	.09	.17	....	.10	.31	....	....	....	....	....	1.31
Hackers Creek	West Fork	....	....	.07	....	.05	.09	....	....	.26	....	....	.18	....	....	....	....	....	....	....	....	T.	....	.07	....	....	.28	.16	....	....	....	....	1.16
Hastings	Ohio	....	....	....	.17	T.	.22	.05	.07	.10	....	....	.05	T	....	....	....	....	....	....	....	.01	....	.26	T.	.11	.22	.27	....	....	T.	....	1.53
Horner	West Fork	....	....	.19	....	....	....	....	....	....	.36	....	....	....	....	....	....	....	....	....	.10	....	....	.25	....	T.	....	....	.02	....	....	....	.92
Ireland	do	....	....	....	.11	....	.09	....	....	.28	.23	....	.06	....	....	....	....	....	....	....	....	....	.04	....	.11	.06	....	....	.33	....	....	....	1.31
Jackson's Mill	do	....	....	....	.23	.17	....	....	....	.20	....	....	....	....	....	.30	....	....	....	....	....	....	....	.47	.10	....	....	....	....	....	....	....	1.47
Jane Lew	do	....	....	....	.17	.01	.06	....	.17	.22	....	....	.20	....	....	....	....	....	....	....	....	....	....	.25	....	....	.40	....	....	....	....	....	1.48
Lost Creek	do	....	T.	.30	.08	T.	.09	....	.15	.22	....	....	.17	....	....	....	....	T.	....	....	....	T.	T.	.21	.02	T.	.38	.05	....	....	....	....	1.67
Mannington	Monongahela	....	....	.19	.15	.02	.22	T.	.08	.18	....	....	.05	....	....	....	....	....	....	....	....	.03	.03	.20	.06	.10	.39	.17	....	....	....	....	1.87
Morgantown	do	....	....	.17	.05	T.	.03	....	.15	.12	T.	....	....	....	....	....	....	....	....	....	....	T.	T.	.17	T.	.16	*	*	.47	....	....	....	1.32
New Cumberland	Ohio	....	....	.21	....	.01	.03	....	.02	.07	....	.02	.05	....	....	....	....	....	....	....	....	T.	....	.09	.02	.07	.30	.34	....	....	....	....	1.23
New Martinsville	do	....	....	.20	....	....	.18	....	.17	.17	....	....	....	....	....	....	....	....	....	....	....	T.	....	.30	.08	.05	.44	.18	....	....	....	....	1.77
Parkersburg[2]	do	....	.01	.12	....	.02	.01	....	.03	.01	T.	T.	.04	....	....	....	....	T	....	....	....	T.	....	.44	T.	T.	.44	.03	....	T.	....	....	1.15
Parsons	Cheat	....	....	.34	....	.10	....	....	.40	....	....	....	.48	....	....	....	....	....	....	....	....	*	....	.25	.10	*	*	.40	....	....	....	....	2.07
Philippi[1]	Tygart	....	....	....	.16	....	.09	.03	....	.03	.02	.15	.38	T.	....	....	....	....	.07	....	....	....	.10	T.	.25	.11	....	.48	.02	....	....	....	1.89
Pickens	do	....	....	....	....	.21	.10	....	.20	.13	.06	.20	.42	....	....	....	....	....	....	....	....	.20	.10	.42	.16	.20	.34	.16	....	....	....	.20	3.10
Roanoke	West Fork	....	....	.02	.08	T.	.08	....	.19	.19	....	....	.15	....	....	....	....	....	....	....	....	T.	.03	.36	.05	.03	.37	....	.05	....	....	....	1.60
Rockford	do	....	....	T.	.19	.02	T.	....	.22	.23	T.	....	....	....	....	....	....	T.	T.	....	....	T.	....	.34	.02	....	.42	T.	....	....	....	....	1.44
Rowlesburg[1]	Cheat	....	....	....	.25	....	.32	.04	....	.04	.03	....	.19	.02	....	....	....	....	....	....	....	....	.05	....	.23	.11	T.	.25	....	....	....	....	1.53
Saint Marys[1]	Ohio	....	....	T.	.11	....	.20	.04	....	.09	....	....	.22	....	....	....	....	....	....	....	....	.03	.16	....	....	....	....	.55	....	....	T.	....	1.40
Terra Alta[1]	Cheat	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Thomas[1]	do	....	....	....	.18	....	.40	T.	....	.15	.46	....	.28	.17	....	....	....	....	.03	....	....	T.	.11	....	.30	.15	T.	.30	T	....	....	....	2.53
Valley Chapel	West Fork	....	....	....	.17	T.	.07	T.	.13	.22	....	T.	.10	....	....	....	....	....	....	....	....	T.	....	.23	.02	.02	.34	.15	T.	....	....	....	1.45
Vandalia	do	....	....	.15	....	....	....	....	.20	.15	....	....	.15	....	....	....	....	....	....	....	....	....	....	.15	....	.20	.26	....	....	....	....	....	1.26
Wellsburg (near)	Ohio	....	....	.12	.05	T.	T.	....	T.	.16	T.	....	....	....	....	....	....	....	....	....	T.	T.	....	.25	....	.15	.25	.40	....	....	....	....	1.38
West Milford	West Fork	....	....	....	.18	....	.15	....	.13	.20	....	....	.22	....	....	....	....	....	....	....	....	....	....	.20	....	.02	.32	.08	....	.10	....	....	1.60
Weston[1]	do	....	....	....	.18	....	.08	.04	....	.16	.21	....	.28	....	....	....	....	....	....	....	....	....	.10	T.	.34	.05	....	.34	.06	....	T.	....	1.84
Wheeling (Dam 12)[1]	Ohio	....	....	T.	.14	....	.01	T.	....	.03	.12	....	.19	....	....	....	....	....	....	....	T.	T.	....	.15	.08	.26	.52	.07	.02	....	....	....	1.59
Southern Division																																	
Arbovale[1]	Greenbrier	T.	....	....	.09	.06	T.	....	.10	.32	....	....	.20	....	....	....	....	....	....	....	....	....	.10	.26	.10	....	.40	T.	....	....	....	....	1.63
Bancroft	Gr. Kanawha	....	....	.14	....	....	....	....	.24	.10	....	.10	....	....	....	....	....	....	....	....	....	....	.35	.20	....	....	.56	....	....	....	....	....	1.69
Beckley	New	....	....	.38	....	.14	.03	....	.16	.11	.36	.28	.08	....	....	....	....	....	.04	....	....	T.	....	.46	.20	....	.38	.22	....	T.	....	....	2.84
Bluefield	do	....	....	....	....	....	....	....	....	.03	....	*	.30	....	....	....	....	....	T.	....	....	....	....	.31	.26	....	*	.72	....	.02	....	....	1.64
Camden-on-Gauley[1]	Gauley	....	....	....	....	....	.16	T.	.02	.14	.02	....	.16	T.	....	....	....	....	....	....	....	....	.01	.14	.51	T.	....	.21	.01	....	....	....	1.38
Charleston[1]	Gr. Kanawha	....	....	....	.17	....	....	T.	....	....	.18	.14	.02	....	....	....	....	....	....	....	....	....	....	.21	.16	....	T.	.58	....	....	T.	....	1.46
Clay[1]	Elk	....	....	....	.09	....	.01	T.	....	.12	.28	.09	.10	T.	....	....	....	....	....	T.	....	....	T.	.07	.55	.02	....	.43	....	....	T.	....	1.76
Flat Top[1]	New	....	....	....	.03	....	T.	T.	.02	.10	.58	T.	.03	T.	....	....	....	....	.02	....	....	....	....	T.	.62	....	....	.42	T.	....	T.	....	1.82
Gary[1]	Big Sandy	....	....	....	.03	....	....	....	.09	.02	.72	.06	.13	....	....	....	....	....	.01	....	....	....	....	.01	.71	....	.08	.24	....	....	....	....	2.10
Greenbottom[1]	Ohio	....	....	....	.18	....	T.	.03	T.	.12	T.	....	.05	....	....	....	....	....	....	....	....	....	....	.41	.16	....	....	.53	....	T.	....	....	1.48
Hinton[1]	New	....	....	....	T.	....	....	....	.04	.08	.59	....	.02	....	....	....	....	....	.01	T.	T.	....	....	.02	.44	....	....	.72	....	....	....	....	1.92
Hogsett[1]	Ohio	....	....	....	....	....	.15	.02	....	.12	.03	....	.20	.02	....	....	....	....	....	....	....	....	....	.30	.08	....	.51	....	....	....	....	....	1.43
Huntington	do	....	....	....	....	T.	T.	....	.10	.07	T.	T.	.29	....	....	....	....	T.	....	....	....	T.	....	.55	....	....	.43	.14	....	T.	....	....	1.58
Institute[1]	Gr. Kanawha	....	....	....	.13	....	T.	T.	....	.17	.12	....	T.	T.	....	....	....	....	T.	....	....	....	....	.02	.31	T.	....	.77	T.	....	T.	....	1.52
Kanawha Falls[1]	do	....	....	....	T	....	....	....	T.	T.	.40	....	.15	....	....	....	....	....	....	....	....	....	....	.05	.55	T.	.15	.50	....	....	....	....	1.80
Lewisburg	Greenbrier	....	....	.06	....	.08	T.	....	.03	.16	.49	.02	T.	....	....	....	....	....	....	....	....	....	....	.35	.10	....	.43	.05	....	....	....	....	1.77
Logan[1]	Guyandot	....	....	....	.10	....	T.	.05	.08	.28	.70	T.	.02	T.	....	....	....	....	T.	....	....	....	T.	.06	.47	....	....	.61	T.	....	T.	....	2.37
London Locks[1]	Gr. Kanawha	....	....	....	.08	....	....	T.	T.	.19	.28	....	.17	.05	....	....	....	....	....	....	....	....	....	.12	.56	....	....	.42	....	....	T.	....	1.87
Madison[1]	Coal	....	....	....	....	.08	....	....	.10	....	.45	....	....	....	....	....	....	....	....	....	....	....	....	.27	.51	....	....	.53	....	....	....	....	1.94
Marlinton	Greenbrier	....	....	....	....	.11	.03	....	.09	.08	.52	.09	....	....	....	....	....	....	....	....	....	....	.04	.32	*	....	*	.72	....	....	....	....	2.00
Point Pleasant[1]	Ohio	.02	....	....	.17	....	T.	....	....	.09	....	....	.34	....	....	....	....	....	T.	....	....	....	....	.30	.23	T.	....	.49	....	....	....	....	1.64
Rainelle	Gauley	....	....	.02	.01	.03	.01	....	.13	.12	.80	.04	.03	....	....	....	....	....	.01	....	....	.01	....	.60	.22	*	....	.70	....	....	....	....	2.73
Ravenswood[1]	Ohio	....	....	....	.15	....	.03	....	....	....	.10	....	.17	....	....	....	....	....	....	....	....	....	....	.22	.30	....	....	.46	....	....	....	....	1.43
Richwood[1]	Gauley	....	....	.04	....	.05	.02	.04	.06	....	....	.82	.10	....	....	....	....	.04	....	....	....	.02	.08	.65	.02	.02	.87	.10	....	....	....	....	2.93
Robertsburg[1]	Gr. Kanawha	....	....	....	.20	....	.04	.01	.02	.12	.03	....	.11	....	....	....	....	....	....	....	....	....	....	.52	.06	T.	....	.46	....	....	T.	....	1.57
Ryan	do	....	....	.05	....	.03	.04	....	.16	.15	T.	....	.06	....	....	....	....	....	....	....	....	.01	....	.55	....	.01	.45	.05	....	.03	....	....	1.59
Sharples[1]	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer[1]	Litl.Kanawha	T.	....	....	.10	T.	....	....	....	.11	.20	....	.23	....	....	....	....	....	....	....	....	....	....	.22	.24	.02	....	.47	....	....	T.	....	1.59
Summersville[1]	Gauley	....	....	....	....	....	....	.07	T.	.28	.32	T.	.16	T.	....	....	....	....	....	....	....	....	....	.20	.55	T.	....	.28	....	....	....	....	1.86
Sutton	Elk	....	....	.15	....	....	.05	....	.25	....	....	....	.15	....	....	....	....	....	....	....	....	T.	....	.45	.05	.05	.30	.15	....	....	....	....	1.60
Thornwood[1]	Greenbrier	....	....	.16	....	.14	....	....	.14	.70	.08	....	....	....	....	....	....	.07	....	....	T.	.10	....	.28	.11	....	.53	....	....	....	....	....	2.31
Union	New	....	....	....	....	.03	.03	....	.02	.02	.35	.02	....	....	....	....	....	....	....	....	....	....	....	.24	.25	....	....	.60	....	....	....	....	1.56
Wayne[1]	Twelvepole	....	....	....	.18	....	.02	....	.09	.09	.12	....	.11	....	....	....	....	.02	....	....	....	....	....	.49	.08	....	....	.65	....	....	....	....	1.85
White Sulp'r Spgs.[1]	Greenbrier	....	....	....	....	.30	....	....	.15	.65	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	.10	....	....	....	....	....	1.50
Williamson[1]	Big Sandy	....	....	....	.12	....	....	.03	.07	.20	.85	....	.01	....	....	....	....	....	....	....	....	....	....	.08	.61	....	....	.75	....	....	....	....	2.72
Winfield Locks[1]	Gr. Kanawha	....	....	....	.14	....	....	....	....	.20	.06	....	.08	....	....	....	....	....	....	....	....	....	....	.30	.29	....	....	.55	T.	....	T.	....	1.62

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. * Precipitation included in next following measurement.
[2] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. †† Incomplete.

Supplemental Rainfall Data—Total for this month: Belva.... 2.17 Elk.... 0.67 Hall.... 1.66 Kayford.... 2.37 Midvale.... 1.98 Mt. Clare.... 1.37
Parsons No.2.... 1.40 Salem.... 1.50 Shinnston.... 0.60 Valley Head.... 3.21 Dailey.... 1.79 Knobly Mt.... 2.14 Brushy Run.... 1.87

Daily Temperatures for December 1938

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Northeastern Panhandle Division																																	
Bayard	Maximum	45	33	48	58	48	35	45	42	47	40	49	41	32	32	30	39	45	37	32	40	30	32	38	34	30	40	30	20	38	30	38	38.0
	Minimum	21	15	15	20	25	28	27	20	23	27	21	37	19	18	13	0	1	22	11	5	10	17	17	21	23	3	20	2	−5	−3	20	15.9
Brandywine	Maximum	45	48	50	55	54	56	57	54	52	41	45	40	44	42	37	30	48	52	44	40	34	38	40	38	40	35	28	22	30	40	50	42.9
	Minimum	29	24	27	37	40	36	26	27	37	32	30	32	17	20	18	9	21	29	15	20	22	14	17	20	24	18	15	6	5	15	16	22.5
Kearneysville	Maximum	48	37	33	46	48	48	45	45	43	48	44	50	42	41	41	30	33	34	36	38	43	36	34	40	40	37	44	29	29	32	45	40.0
	Minimum	33	25	25	27	39	39	32	28	33	41	30	38	26	20	24	14	28	32	24	21	28	29	23	29	30	21	28	14	12	28	19	27.1
Martinsburg [1]	Maximum	45	31	35	58	48	57	53	48	48	48	45	52	40	48	32	35	43	41	39	38	41	38	39	40	38	42	43	26	37	39	47	42.4
	Minimum	35	25	27	28	31	40	30	32	33	37	32	35	28	22	24	16	16	30	23	23	24	31	27	28	28	28	25	15	13	15	22	26.5
McNeill	Maximum	52	33	47	63	55	49	56	54	42	44	56	55	45	48	44	40	45	43	40	43	41	38	35	49	45	38	40	28	37	42	50	45.1
	Minimum	25	19	21	29	33	37	24	23	26	32	24	41	24	10	18	5	14	31	14	11	24	28	19	32	23	14	25	4	−2	22	11	20.7
Piedmont	Maximum	50	30	43	59	45	39	50	42	40	41	53	46	32	43	36	32	37	40	37	36	35	33	30	40	36	30	33	24	31	35	43	38.7
	Minimum	34	24	27	32	44	37	32	31	32	39	29	39	28	26	22	12	20	34	20	17	30	28	24	30	32	18	23	11	4	23	20	26.5
Romney	Maximum	48	39	47	64	55	48	55	43	40	44	52	50	44	48	42	37	40	39	38	40	41	36	32	46	38	36	42	22	28	38	45	42.5
	Minimum	35	25	25	31	38	39	39	29	30	38	28	41	29	20	20	12	24	32	21	20	18	25	26	32	29	21	23	15	4	26	17	26.2
Wardensville [1]	Maximum	49	53	47	63	54	45	55	48	46	44	57	54	38	49	36	38	51	39	38	42	38	38	41	48	39	36	42	29	36	41	47	44.5
	Minimum	31	21	23	29	33	38	23	25	21	21	27	31	25	13	23	9	16	30	19	15	22	29	21	31	29	17	22	14	5	24	14	22.6
Northern Division																																	
Bens Run	Maximum	53	43	53	60	53	47	55	45	44	45	52	50	38	46	40	43	46	44	38	42	43	36	42	43	36	39	50	24	41	33	42	44.1
	Minimum	25	28	35	36	35	33	38	32	34	34	27	36	25	26	26	17	30	28	22	18	31	22	29	33	30	26	21	18	17	28	22	27.8
Buckhannon	Maximum	48	45	52	59	60	40	49	49	51	50	49	52	41	41	40	47	47	42	39	42	44	32	42	42	37	45	51	20	41	39	41	44.4
	Minimum	23	22	28	43	37	34	34	39	32	35	29	40	28	22	18	14	27	34	19	18	31	21	28	32	33	25	21	12	15	29	24	27.3
Clarksburg [1]	Maximum	42	40	54	60	54	41	50	41	46	40	52	48	34	43	35	46	47	41	35	44	35	35	42	39	36	52	36	23	40	35	42	42.2
	Minimum	19	20	25	25	31	32	35	27	31	37	27	33	24	21	15	13	13	29	11	14	15	23	24	33	31	21	28	11	11	12	20	22.9
Creston	Maximum	40	45	50	61	61	60	61	49	48	45	52	52	41	41	41	37	46	40	40	40	41	37	42	42	37	43	43	25	40	41	44	44.7
	Minimum	18	24	32	32	28	27	24	25	29	35	26	38	25	15	12	10	25	29	13	14	32	16	27	31	29	20	22	8	12	27	17	23.3
Elkins	Maximum	48	43	52	61	53	37	49	42	50	39	52	53	33	40	36	49	45	37	34	45	44	31	43	42	35	45	46	24	41	36	44	42.9
	Minimum	25	26	35	45	37	33	30	29	28	30	27	28	21	20	17	11	31	27	18	16	25	23	26	30	22	19	15	9	12	22	23	24.5
Fairmont	Maximum	46	41	55	62	53	38	54	41	46	40	52	44	36	45	35	52	45	45	37	43	34	36	40	37	37	48	35	24	41	34	42	42.5
	Minimum	23	25	32	41	36	36	35	33	34	36	30	35	21	24	17	14	15	33	19	17	17	26	25	32	31	23	27	11	11	18	25	25.9
Glenville	Maximum	42	43	50	65	64	54	47	47	43	41	40	41	41	42	43	40	44	44	41	43	42	36	43	43	38	40	39	24	40	41	39	43.2
	Minimum	20	25	31	32	33	35	32	27	41	37	24	39	27	17	14	11	24	31	14	14	32	18	28	29	28	22	21	11	11	28	33	25.5
Grafton	Maximum	52	49	58	66	67	55	54	55	57	55	52	51	44	45	46	56	57	45	41	45	45	35	42	48	36	42	50	25	45	41	41	48.4
	Minimum	21	25	29	44	33	36	35	30	32	36	29	40	23	20	16	14	26	33	20	17	31	26	26	36	31	23	22	12	15	30	22	26.9
Lost Creek	Maximum	42	50	55	62	62	55	50	51	48	46	52	50	43	45	36	50	45	43	41	45	40	37	41	42	41	40	51	25	40	40	43	45.5
	Minimum	19	23	24	35	34	35	34	25	31	35	25	40	25	24	12	10	21	32	15	12	30	20	30	31	31	19	21	10	11	29	19	24.6
Mannington	Maximum	42	40	52	56	53	48	50	42	45	44	50	49	38	42	39	44	44	42	35	40	42	33	39	41	36	39	49	23	39	38	39	42.4
	Minimum	18	22	29	38	28	36	35	27	33	38	28	38	17	20	13	9	23	31	15	13	30	21	25	32	31	17	21	11	13	29	23	24.6
Morgantown	Maximum	46	43	61	64	55	52	54	45	51	44	55	47	38	44	39	56	45	47	39	44	38	38	40	40	33	44	50	43	37	37	42	45.5
	Minimum	26	27	32	43	41	37	36	32	32	38	32	37	24	26	19	15	30	31	20	18	24	27	28	32	32	20	26	11	18	28	29	28.1
New Cumberland	Maximum	38	36	49	56	54	53	52	55	46	41	53	44	35	41	35	44	42	37	34	41	39	34	37	37	38	36	40	38	38	32	42	41.8
	Minimum	26	30	36	40	34	36	37	29	32	38	34	32	28	27	19	14	30	27	27	18	29	27	27	33	31	18	18	10	16	23	38	27.9
New Martinsville	Maximum	45	44	55	60	55	45	50	48	42	42	50	48	37	45	35	40	42	43	37	40	41	37	40	39	38	40	38	22	36	35	40	42.2
	Minimum	20	25	30	38	30	30	30	25	28	32	30	30	16	20	18	14	24	27	15	14	25	27	26	30	30	20	18	8	10	25	20	23.7
Parkersburg	Maximum	49	53	44	47	70	45	46	53	43	45	41	58	62	58	66	74	55	50	72	66	77	83	72	52	63	59	57	66	76	73	73	59.6
	Minimum	22	40	26	22	45	31	32	38	30	32	25	31	50	44	42	53	40	40	36	53	42	47	47	40	35	42	36	33	50	60	52	39.2
Parsons	Maximum	49	48	56	61	54	47	52	39	56	42	50	52	48	42	39	47	46	40	37	34	31	37	42	34	38	46	40	26	43	37	38	43.6
	Minimum	23	28	26	24	36	35	34	30	31	29	29	36	22	20	18	12	27	32	17	26	22	28	26	28	25	29	17	10	12	22	22	25.0
Pickens	Maximum	48	48	53	56	56	40	55	54	44	40	44	50	45	42	44	45	60	40	36	42	40	38	42	40	45	40	35	41	40	39	42	44.6
	Minimum	25	28	32	40	37	25	25	30	32	30	28	28	10	15	12	15	20	30	15	18	20	8	18	28	20	15	10	4	10	21	23	21.7
Wellsburg	Maximum	44	41	52	52	51	47	46	43	43	44	50	44	38	42	44	43	47	41	36	42	42	33	40	39	34	41	48	30	39	36	38	42.3
	Minimum	20	25	32	34	30	34	33	25	30	32	30	32	30	25	15	10	26	23	14	14	30	25	26	31	28	15	18	10	11	23	14	24.0
Weston	Maximum	42	42	55	67	65	50	55	50	49	52	51	49	40	43	40	48	50	45	38	42	40	36	41	42	37	38	40	25	42	40	44	45.1
	Minimum	23	27	32	38	36	36	34	30	33	35	29	42	28	22	16	14	25	34	17	17	31	19	30	32	31	22	20	10	14	30	21	26.7
Wheeling	Maximum	42	44	49	57	49	42	48	42	43	40	49	38	38	42	31	43	42	41	34	41	37	35	39	36	34	37	30	23	30	38	30	39.5
	Minimum	28	28	26	41	34	32	32	30	32	34	35	38	29	29	19	15	16	29	20	20	20	26	25	33	33	16	22	11	11	25	21	26.1
Southern Division																																	
Beckley	Maximum	55	49	46	62	51	43	50	41	45	41	39	49	39	41	37	42	45	40	37	44	40	37	39	42	42	36	41	30	38	41	44	42.9
	Minimum	23	26	25	29	38	28	23	25	33	25	20	35	18	12	15	12	23	29	14	12	25	18	25	29	27	26	15	5	13	20	16	22.1
Bluefield	Maximum	55	50	43	63	54	49	50	47	47	42	40	51	44	39	43	40	43	45	40	45	45	40	45	44	49	43	41	30	37	45	45	45.0
	Minimum	31	34	32	38	44	32	30	31	38	29	22	40	25	22	22	20	29	38	25	20	30	21	32	38	36	34	23	10	22	26	24	29.0
Charleston	Maximum	45	55	58	54	64	55	46	55	48	54	52	48	45	48	47	41	49	50	48	41	49	41	41	47	45	47	47	43	36	31	41	47.5
	Minimum	28	30	36	38	35	36	34	33	33	36	32	38	28	21	21	17	24	28	23	21	26	26	29	37	33	33	33	15	16	26	24	28.7
Flat Top	Maximum	48	39	42	55	48	29	45	40	38	29	44	47	32	34	37	32	41	34	36	41	35	39	38	38	40	33	39	29	31	40	39	38.5
	Minimum	31	28	24	36	38	26	27	30	32	24	22	33	20	21	16	13	22	30	19	21	24	18	27	29	27	27	13	4	15	20	22	23.8
Gary [1]	Maximum	57	53	58	51	55	39	53	46	51	36	59	53	42	43	41	47	48	43	40	48	40	41	45	48	48	52	40	33	43	47	50	46.8
	Minimum	21	23	27	34	34	36	26	26	34	32	26	33	23	18	17	17	19	34	23	17	33	21	20	36	28	29	36	12	12	14	18	25.1
Hinton [1]	Maximum	60	50	47	69	50	41	58	46	46	40	42	53	46	49	46	48	45	43	46	47	38	45	37	49	50	41	41	36	36	47	52	46.6
	Minimum	21	25	25	33	35	35	23	28	32	32	26	29	22	20	21	15	24	28	21	11	26	25	25	31	29	25	35	13	11	20	18	24.6
Huntington	Maximum	53	61	54	66	55	48	58	49	44	43	53	54	42	50	42	47	47	46	48	48	43	40	44	44	48	43	42	32	38	39	47	47.4
	Minimum	28	34	42	36	37	38	38	36	32	37	33	40	24	24	21	17	35	33	22	21	35	24	33	38	35	30	23	16	17	22	20	29.7
Lewisburg	Maximum	53	46	45	62	52	45	51	42	44	43	38	50	38	44	45	38	44	42	41	45	40	40	33	46	41	35	38	28	31	42	46	42.8
	Minimum	32	27	29	36	42	33	28	31	33	31	24	37	22	20	21	15	23	33	21	15	29	19	28	32	30	25	19	10	10	22	22	25.8
Logan [1]	Maximum	55	56	57	65	54	45	57	47	47	39	55	52	41	47	41	49	47	44	42	48	39	41	46	44	50	50	36	31	41	44	45	46.9
	Minimum	27	27	35	40	35	36	33	33	32	33	34	37	28	22	22	19	19	19	25	22	22	26	24	38	36	34	34	15	15	20	22	27.9
Madison	Maximum	52	49	58	61	53	43	54	53	46	46	46	59	48	39	44	36	45	47	42	39	38	38	38	45	43	47	51	34	27	41	41	45.3
	Minimum	25	25	35	37	33	33	30	30	33	36	30	44	28	18	18	15	22	35	22	19	23	27	27	37	30	27	32	14	16	16	18	26.9
Marlinton	Maximum	51	44	39	59	50	44	50	38	41	40	37	51	39	43	43	48	45	42	38	44	40	40	35	42	37	32	36	28	29	40	42	41.5
	Minimum	23	22	25	24	36	34	25	26	30	33	24	38	20	14	20	10	13	32	17	12	28	20	10	34	32	27	19	10	−2	23	10	22.2
Point Pleasant	Maximum	49	55	57	64	55	41	56	46	45	40	53	51	41	49	45	48	47	47	42	45	43	38	41	40	42	41	40	28	39	37	46	45.5
	Minimum	26	32	39	35	35	39	35	34	30	37	31	41	22	23	20	16	33	32	20	20	33	21	32	37	34	26	23	14	18	21	18	28.3
Rainelle	Maximum	49	44	40	57	50	45	49	38	41	47	39	48	36	40	38	36	43	40	37	42	38	38	33	38	32	41	38	29	31	41	42	40.6
	Minimum	20	25	29	32	32	31	22	25	32	30	24	35	23	12	20	13	26	30	15	11	25	21	27	32	7	30	18	21	10	24	10	23.0
Ravenswood	Maximum	54	53	53	61	62	52	47	48	47	47	51	51	43	47	48	46	46	45	47	44	44	37	43	38	37	43	34	27	39	39	45	45.7
	Minimum	22	29	38	32	37	34	35	30	28	35	31	39	23	20	17	14	36	30	16	17	34	18	29	34	31	23	21	11	19	21	12	26.3
Richwood	Maximum	52	45	50	60	54	40	50	45	46	35	52	52	32	40	39	41	45	37	37	45	32	39	43	42	36	45	41	28	38	40	43	42.7
	Minimum	32	34	34	35	32	28	32	36	33	27	31	27	16	17	16	22	31	20	18	20	22	23	35	33	32	32	9	9	20	16	21	25.6
Robertsburg [1]	Maximum	50	52	49	64	56	46	51	46	42	44	50	42	51	47	41	52	49	47	42	41	40	41	42	40	46	47	31	27	35	39	43	44.9
	Minimum	25	26	36	33	35	35	34	30	30	32	30	36	21	18	18	13	20	31	18	17	21	20	25	34	33	25	31	14	15	20	15	25.5
Ryan	Maximum	55	47	55	60	55	48	55	50	45	40	53	50	39	45	40	50	50	50	50	55	35	40	41	41	40	50	46	25	40	40	44	46.3
	Minimum	20	23	36	31	29	32	29	25	27	34	25	39	22	14	12	11	28	28	13	14	29	15	27	30	29	21	22	10	12	19	16	23.3
Spencer [1]	Maximum	45	54	52	65	55	44	55	43	43	43	52	45	39	47	38	49	49	42	41	45	38	38	44	39	40	49	32	28	48	30	44	44.4
	Minimum	25	33	39	33	40	37	34	30	32	35	30	44	27	20	17	14	34	32	16	17	33	23	31	34	30	24	31	12	17	23	20	28.0
Sutton	Maximum	53	47	51	65	65	52	51	51	50	50	51	51	43	39	39	52	52	45	41	45	45	36	43	43	38	38	37	27	42	42	45	46.1
	Minimum	21	26	31	24	37	31	32	29	33	36	28	36	28	16	16	12	25	30	16	17	31	21	28	31	30	23	21	13	12	30	18	25.2
Union	Maximum	57	57	45	63	56	51	51	51	46	43	39	52	48	43	45	45	44	41	41	45	44	40	37	45	45	39	42	33	34	45	46	45.6
	Minimum	22	25	28	35	42	34	27	27	34	30	21	34	18	15	16	15	21	30	16	11	30	20	25	32	30	24	26	9	11	21	16	24.0
White Sulphur Spgs.	Maximum	51	46	40	61	52	40	50	48	48	42	52	54	42	39	42	36	44	38	41	39	35	42	40	42	41	39	39	32	34	40	42	42.9
	Minimum	20	18	25	29	39	39	24	26	32	32	22	45	21	14	14	8	15	25	15	11	14	18	19	32	33	23	31	10	6	10	11	22.0
Williamson [1]	Maximum	59	58	56	67	55	45	60	50	45	40	55	52	43	50	43	50	45	45	45	48	39	41	43	47	50	50	34	34	39	44	50	47.8
	Minimum	26	29	34	38	35	37	31	31	36	33	32	39	26	22	22	20	21	33	25	22	23	22	23	36	32	29	32	16	16	20	23	27.9

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[1] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 1-27-39—900)

WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. XLVI PARKERSBURG, W. VA., YEAR 1938 No. 13

GENERAL SUMMARY

The year averaged 1.5° above normal in temperature, with the Winter months well above normal. Only May, June and September were below normal and then only slightly so. The severest cold period occurred during the last decade of November, when minima of zero or lower were recorded at twelve stations. The highest annual mean temperature was 59.1° at Bancroft and the lowest, 46.9° at Bayard. The highest temperature was 103° at Inwood on July 11th and the lowest, -10° at Bayard on November 26th.

Precipitation was slightly below normal. May, June and July were unusually wet while September and November averaged above normal. Marked deficiencies occurred In January, August and October. Snowfall was light, except in November which was the second snowiest November of record. The greatest annual precipitation was 62.13 inches at Pickens and the least, 26.26 inches at Wardensville. The greatest annual snowfall was 69.0 inches at Pickens.

The growing season in the northern and northeastern panhandle divisions was from May 12th to October 9th and in the southern division from April 11th to November 9th.

The Ohio river did not reach flood stage.

THE WEATHER BY MONTHS

JANUARY.—Temperature above normal; only two stations reported readings of zero or lower. Precipitation averaged 1.50 inches below normal. Snowfall was less than one-half the normal. Favorable weather permitted outdoor activities during greater part of month. Winter grains made good growth and there was considerable winter plowing.

FEBRUARY.—Second warmest February of record. No zero temperature was recorded. Precipitation was practically normal, but snowfall was about one-third of the normal. The Ohio River was at moderately high stage during the middle of the month.

MARCH.—Very warm, averaging 5.8 degrees above normal. Precipitation was slightly above normal, while snowfall was very light. Rivers were at moderate stage throughout the month. Fruit was coming into bloom, but farm work was much retarded by frequent rains. Winter grains and pastures made good growth.

APRIL.—Much warmer and slightly drier than usual. Rainfall was favorably distributed and was heavy generally on the 8-10th, causing a sharp rise in the Ohio River and tributaries, but no flood resulted. Germination advanced rapidly. Frost on the 11th and 23d caused some injury to fruit in north-central counties.

MAY.—Sixth wettest May of record. Heavy rains caused a near flood in the Little Kanawha River on the 20th-21st and moderately high stage in the Ohio River. Temperature was slightly below normal. Heavy to killing frosts occurred generally in the northern Ohio Valley and the north-central Counties on the 12-13th, causing considerable damage to vegetation.

JUNE.—Third wettest June of record. Four stations reported three inches or more in 24 consecutive hours. Much damage in Ritchie County on the 24th from heavy rains and local flooding. Temperature was below normal. Planting and cultivating much delayed by wet soil.

JULY.—Temperature slightly above normal. Rainfall was deficient in the northern Panhandle and some east-central localities, but unusually wet weather prevailed elsewhere. Heavy local showers were frequent, causing considerable flooding of lowlands along creeks and of city streets. Wet weather retarded farm work and damaged grain and forage crops at harvest time, while corn was badly in need of cultivation and potatoes showed blight and ground rot in the wet districts.

AUGUST.—Temperature continued above normal. Rainfall averaged well below normal, except in some southern sections where it was much in excess of the normal. Heavy to excessive local rains occurred in southern sections during the first half of the month, causing considerable destruction by flooding, slides along highways and washing away of crops.

SEPTEMBER.—Temperature was slightly below normal. Rainfall was slightly above normal, although droughty conditions were in evidence at the close of the month. Conditions were generally favorable for crop growth and harvesting.

OCTOBER.—Temperature only slightly above normal. Driest October since 1924. Only four Octobers had less precipitation. Droughty conditions that began in September continued unabated throughout the month and created a fire hazard of marked proportions. During the second half of the month forest fires were frequent, especially in the southern half of the State where the damage was extended rather than local. This situation continued at the close of the month. Streams were low. Weather was favorable for farm work and much of the corn crop was housed.

NOVEMBER.—Temperature averaged well above normal. The month was unusually wet. The snowfall was the second greatest of November record. The snow fell during a cold spell and blanketed the State with amounts ranging from 2 to 20 inches. Forest fires continued generally until the 5th when they were put out by widespread drenching rains. Frequent rains replenished streams and helped vegetation, while the snow cover protected vegetation during the only cold period of the month.

DECEMBER.—Temperature was practically normal. It was the driest December since 1925 and the fourth driest December of record. The snowfall was the lightest December amount since 1931. Winter crops made fair progress although lacking a protective snow cover. Some plowing done during second half of the month.

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip. .01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	-9	33.90	50.60	42.37	45.96	......	......	......	......	......
1892	52.3	99	-12	32.70	41.43	37.06	38.33	......	......	......	......	......
1893	52.0	99	-25	36.26	39.68	41.40	39.82	......	116	......	......	......
1894	53.5	103	-29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895	51.5	107	-21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896	53.6	97	-10	35.43	46.66	41.84	43.49	......	111	132	128	106
1897	53.5	103	-18	35.02	46.15	40.47	41.59	......	116	141	113	111
1898	53.9	103	-13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	-35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	-11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	-11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902	52.8	104	-14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	-19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	-20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	-22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	-11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	-23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908	53.6	101	-16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	-10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	-11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	-5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	-34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	-4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	-22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	-8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	-18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	**50.1**	104	**-37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	-27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	-16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	-11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	**55.7**	101	-10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	-15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	-20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	-16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	-27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926	51.6	107	-23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	-14	40.42	52.73	47.25	49.14	**26.6**	138	138	77	150
1928	52.3	103	-14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	-19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	**112**	-21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931	54.7	108	-10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	-12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	-12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	-26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	-23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	**112**	-31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937	52.9	101	-9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938	54.5	103	-10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
Period	53.0	112	-37	37.13	45.12	42.98	43.06	34.2	122	147	93	125

Climatological Data for the Year 1938

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	46.9	90	Aug. 17	−10	Nov. 26	36	42.42	7.73	July	1.04	Oct.	33.0	141	177	56	132	w.
Brandywine	Pendleton	1,586	23	54.0	98	Aug. 15	−5	Nov. 28	23	32.60	6.00	June	.95	Feb.	17.0	89	212	6	147	sw.
Harpers Ferry	Jefferson	400	....	......	......	....	......	....	49	35.24	6.12	May	1.36	Oct.	14.1	115	......	......	......	......
Kearneysville	Jefferson	548	8	54.2	98	July 11	2	Nov. 26†	8	31.47	4.36	May	1.17	Jan.	....	120	143	141	81	s.
Martinsburg	Berkeley	435	46	55.4	101	July 11	7	Nov. 26	48	38.45	5.46	July	1.59	Feb.	23.7	121	250	84	31	w.
McNeill	Hardy	800	6	53.0	98	Aug. 15	−9	Nov. 26	6	31.81	5.60	July	.64	Feb.	16.5	100	124	140	101	w.
Piedmont	Mineral	1,053	23	53.2	97	Aug. 16	4	Dec. 29	23	27.85	4.94	May	.83	Feb.	24.0	111	132	121	112	w.
Romney	Hampshire	824	41	54.2	98	Aug. 15†	1	Nov. 26	38	32.43	6.63	July	.96	Feb.	16.3	124	171	111	83	......
Spruce Knob	Pendleton	4,550	....	......	......	....	......	....	..	53.03	7.87	July	1.73	Oct.‡	44.0	159	......	......	......	......
Stony River Dam	Grant	3,300	....	......	......	....	......	....	19	34.96	6.42	May	1.38	Apr.	54.0	113	73	84	208	w.
Wardensville	Hardy	1,200	19	53.0	95	July 11	−5	Nov. 26	21	26.26	5.06	May	.66	Jan.	13.3	116	128	140	97	......
Northern Division																				
Aberdeen	Upshur	1,060	....	......	......	....	......	....	15	45.30	7.24	June	1.02	Oct.	22.7	142	93	143	129	w.
Alma (near)	Tyler	800	....	......	......	....	......	....	12	37.24	6.53	June	.99	Oct.	19.0	135	137	72	156	......
Benson	Harrison	1,080	16	53.6	94	Aug. 17	−7	Nov. 26	16	39.80	5.77	June	.70	Oct.	26.5	138	120	151	94	......
Bens Run	Tyler	652	38	56.7	95	July 8†	9	Jan. 26	38	37.56	6.56	May	.74	Oct.	13.8	126	223	75	67	......
Brownsville	Lewis	1,032	15	56.3	93	July 8†	2	Nov. 26	16	56.26	9.96	May	.94	Oct.	23.4	145	116	157	92	......
Buckhannon	Upshur	1,411	46	54.6	88	Aug. 15	7	Nov. 26	49	48.67	8.47	July	.85	Oct.	25.0	131	174	85	106	......
Cairo	Ritchie	680	36	56.0	93	Aug. 15†	......	....	36	44.16	7.74	May	.70	Oct.	11.3	104	131	109	125	......
Clarksburg	Harrison	1,015	16	53.7	96	Aug. 16	4	Nov. 26	16	33.74	5.20	June	.65	Oct.	21.6	141	123	89	153	w.
Crawford	Lewis	1,107	....	......	......	....	......	....	16	44.73	6.82	July	.90	Oct.	21.5	142	127	115	123	sw.
Creston	Wirt	640	39	54.2	96	July 8†	4	Jan. 9	39	41.30	6.39	May	.64	Oct.	16.9	129	156	106	103	......
Dam 10 Mon. R.	Monongalia	826	....	......	......	....	......	....	17	38.05	6.08	June	1.08	Oct.	23.6	155	......	......	......	......
Dam 13 O. R.	Marshall	655	....	......	......	....	......	....	23	35.77	5.10	June	1.16	July	11.2	137	......	......	......	......
Dam 15 Mon. R.	Marion	882	....	......	......	....	......	....	17	39.07	5.60	June	.83	Oct.	18.5	126	......	......	......	......
Dam 19 O. R.	Wood	600	....	......	......	....	......	....	22	37.27	6.47	June	.76	Oct.	9.6	130	......	......	......	......
Dam 20 O. R.	Wood	600	....	......	......	....	......	....	22	38.71	4.99	June	.62	Oct.	8.4	121	......	......	......	......
Elizabeth	Wirt	615	....	......	......	....	......	....	29	42.86	8.80	June	.64	Oct.	13.9	111	......	......	......	......
Elkins	Randolph	1,927	40	52.2	89	July 8†	1	Nov. 26	40	44.78	7.10	May	1.08	Oct.	42.2	175	80	107	178	w.
Fairmont	Marion	883	33	55.0	95	July 8†	8	Jan. 26†	47	38.55	5.26	June	.90	Oct.	33.3	145	171	62	132	w.
Glenville	Gilmer	738	46	56.2	95	July 7	6	Nov. 29	52	51.99	10.51	May	.56	Oct.	14.8	142	107	133	125	w.
Grafton	Taylor	1,050	45	56.3	94	July 9†	7	Jan. 9†	47	40.00	6.49	July	1.01	Oct.	22.3	134	156	94	115	......
Hastings	Wetzel	809	4	......	......	....	......	....	4	43.60	6.07	May	.94	Oct.	22.0	156	136	111	118	w.
Horner	Lewis	1,044	....	......	......	....	......	....	16	46.90	8.69	July	.92	Dec.	....	115	......	......	......	......
Jane Lew	Lewis	1,020	16	......	......	....	......	....	16	38.59	6.55	June	.82	Oct.	....	150	......	......	......	......
Lost Creek	Harrison	1,026	43	54.4	92	Aug. 3†	−2	Nov. 26	43	40.58	6.93	June	.93	Oct.	23.2	133	138	76	151	w.
Mannington	Marion	974	38	52.9	88	Aug. 16	2	Jan. 9	38	39.89	5.17	June	.82	Oct.	27.3	169	127	92	146	w.
Morgantown	Monongalia	1,250	46	54.2	92	July 7†	2	Jan. 26	65	39.02	6.76	May	1.24	Oct.	33.0	119	188	85	92	......
New Cumberland	Hancock	671	42	54.5	98	Aug. 20	4	Jan. 9	42	40.66	7.40	June	1.17	Oct	18.0	146	121	51	193	nw.
New Martinsville	Wetzel	634	46	54.3	96	July 8	......	....	46	40.19	6.00	May	1.13	Oct.	20.8	107	147	105	113	s.
Parkersburg	Wood	615	51	56.0	93	July 8	8	Jan. 26	51	34.04	4.81	May	.73	Oct.	12.3	134	129	90	146	se.
Parsons	Tucker	1,649	40	53.7	94	July 7†	4	Nov. 26	40	47.74	10.84	July	1.00	Oct.	34.5	116	163	72	130	......
Philippi	Barbour	1,300	....	......	......	....	......	....	46	45.54	7.79	June	1.05	Oct.	23.6	152	......	......	......	......
Pickens	Randolph	2,697	49	50.0	87	Aug. 16	0	Jan. 26†	49	62.13	8.55	May	1.56	Oct.	69.0	153	177	76	112	w.
Roanoke	Lewis	1,050	....	......	......	....	......	....	16	42.85	6.52	May	.90	Oct.	22.6	145	158	60	147	......
Rowlesburg	Preston	1,375	....	......	......	....	......	....	..	53.84	11.50	July	1.14	Oct.	....	166	......	......	......	......
Saint Marys	Pleasants	577	....	......	......	....	......	....	31	41.97	7.61	May	.93	Oct.	12.0	125	......	......	......	......
Shinnston	Harrison	910	2	......	......	....	......	....	2	39.03	5.42	May	.60	Dec.	13.1	116	205	74	86	......
Terra Alta	Preston	2,559	37	48.1	......	....	−2	Nov. 26	37	51.07	9.10	May	1.37	Oct.	42.5	...	......	......	......	......
Thomas	Tucker	3,000	....	......	......	....	......	....	10	52.27	9.86	July	.95	Oct.	43.4	152	......	......	......	......
Valley Chapel	Lewis	1,011	16	55.9	94	July 12†	4	Nov. 26	16	43.10	8.19	June	.72	Oct.	26.7	149	140	110	105	w.
Vandalia	Lewis	1,120	....	......	......	....	......	....	16	45.44	9.55	June	.90	Oct.	26.5	102	......	......	......	......
Wellsburg (near)	Brooke	668	40	52.8	99	Aug. 6	2	Jan. 9	47	40.43	6.97	June	1.27	Oct.	10.3	123	166	86	113	......
West Milford	Harrison	979	....	......	......	....	......	....	14	38.17	6.56	June	.68	Oct.	....	124	......	......	......	......
Weston	Lewis	1,026	46	56.4	95	July 8	5	Nov. 26	51	50.12	9.19	June	.94	Oct.	26.7	159	49	201	115	......
Wheeling (Dam 12)	Ohio	659	52	53.8	94	July 8†	7	Jan. 9	55	41.76	6.54	June	1.27	Oct.	22.1	133	107	107	151	sw.
Southern Division																				
Arbovale	Pocahontas	2,734	....	......	......	....	......	....	14	35.01	5.41	May	.65	Oct.	29.5	130	151	85	129	w.
Bancroft	Putnam	574	38	59.1	96	July 11	15	Jan. 9†	38	47.35	9.74	July	.63	Oct.	10.0	130	111	110	144	......
Beckley	Raleigh	2,440	38	52.2	89	July 8†	1	Jan. 27	42	51.18	7.48	July	1.20	Oct.	26.6	163	111	145	109	......
Bluefield	Mercer	2,558	45	55.3	88	June 7	2	Jan. 27	47	42.00	8.26	July	.67	Oct.	13.0	126	135	97	133	......
Camden-on-Gauley	Webster	2,029	....	......	......	....	......	....	20	42.93	6.66	May	.71	Oct.	27.0	153	......	......	......	......
Charleston	Kanawha	602	35	57.9	95	July 8	11	Jan. 27	35	51.89	11.32	July	.64	Oct.	13.4	145	159	61	145	......
Clay	Clay	790	....	......	......	....	......	....	35	45.14	7.11	July	1.38	Oct.	20.0	161	......	......	......	......
Flat Top	Mercer	3,260	....	50.9	82	Sept. 5	−2	Jan. 27	..	45.00	8.46	July	.46	Oct.	44.2	149	......	......	......	......
Gary	McDowell	1,426	22	55.9	91	July 8	9	Jan. 27	22	44.09	6.71	July	.45	Oct.	5.2	143	......	......	......	......
Greenbottom	Cabell	550	....	55.9	......	....	9	Jan. 9†	..	42.36	6.18	June	.80	Oct.	11.9	127	139	128	98	sw.
Hinton	Summers	1,431	42	56.3	97	July 11†	9	Jan. 27	50	37.36	8.00	July	.38	Oct.	4.0	139	......	......	......	......
Hogsett	Mason	564	....	......	......	....	......	....	23	40.69	5.87	Sept.	.68	Oct.	8.9	129	......	......	......	......
Huntington	Cabell	571	42	58.8	94	Aug. 14	10	Jan. 26	45	44.28	6.29	Sept.	.54	Oct.	14.1	127	86	166	113	sw.
Institute	Kanawha	616	....	57.6	93	Aug. 7	10	Jan. 27†	..	48.19	8.83	July	.52	Oct.	10.1	143	......	......	......	......
Kanawha Falls	Fayette	618	....	......	......	....	......	....	20	39.53	6.58	July	.75	Oct.	7.0	105	......	......	......	......
Lewisburg	Greenbrier	2,250	37	54.1	92	Aug. 14†	8	Nov. 26†	47	38.80	6.72	June	.12	Oct.	16.6	139	129	104	132	......
Logan	Logan	700	....	......	......	....	......	....	38	49.61	7.36	July	.46	Oct.	10.0	137	......	......	......	......
London Locks	Kanawha	623	3	58.0	95	June 8†	13	Jan. 27†	3	47.39	8.71	July	.77	Oct.	7.5	138	130	38	197	e.
Madison	Boone	675	21	56.5	93	Aug. 8	10	Jan. 27	27	51.45	9.72	July	.64	Oct	....	120	149	89	127	......
Marlinton	Pocahontas	2,125	43	52.1	89	July 20†	−2	Nov. 28†	42	35.69	7.04	May	.60	Oct.	18.7	136	......	......	......	......
Point Pleasant	Mason	595	46	58.0	95	Sept. 6	9	Jan. 26	50	40.86	5.39	June	.77	Oct.	10.0	142	154	98	113	sw.
Rainelle	Greenbrier	2,424	9	50.8	90	July 11	1	Jan. 29	9	48.36	6.82	June	.68	Oct.	44.1	178	153	39	173	......
Ravenswood (Dam 22)	Jackson	584	16	56.4	95	July 7†	8	Nov. 25	24	40.37	6.69	June	.45	Oct.	9.0	122	162	41	162	sw.
Richwood	Nicholas	2,193	9	52.1	89	July 8	6	Jan. 26	9	48.60	7.58	May	1.09	Oct.	41.5	172	87	133	145	se.
Robertsburg	Putnam	570	39	56.4	96	Aug. 9	6	Nov. 25†	39	40.24	6.14	July	.48	Oct.	8.0	134	......	......	......	......
Ryan	Roane	700	37	54.5	90	July 28†	0	Nov. 25	37	44.18	6.18	May	.46	Oct.	16.9	139	159	93	113	......
Spencer	Roane	789	42	56.0	94	Aug. 7	8	Jan. 26	42	40.77	6.45	May	.61	Oct.	14.0	140	94	152	119	......
Summersville	Nicholas	1,894	....	......	......	....	......	....	5	45.35	6.66	July	.89	Oct.	....	125	......	......	......	......
Sutton	Braxton	850	34	56.0	94	July 8†	6	Nov. 26	38	46.35	6.25	May	1.20	Oct.	31.0	122	......	......	......	......
Thornwood	Pocahontas	2,723	....	......	......	....	......	....	4	39.53	6.02	June	.73	Oct.	37.2	126	......	......	......	......
Union	Monroe	2,250	36	53.6	90	Aug. 16†	4	Jan. 27†	36	38.20	6.49	June	.49	Oct.	....	126	165	84	116	......
Wayne	Wayne	598	....	......	......	....	......	....	13	48.73	7.10	Mar.	.63	Oct.	11.0	124	......	......	......	......
White Sulphur Springs	Greenbrier	1,914	27	52.3	95	June 7	2	Nov. 27	27	43.75	9.50	July	.60	Oct.	11.1	106	178	55	132	......
Williamson	Mingo	673	39	58.0	95	Aug. 16	10	Jan. 27	39	51.21	8.01	July	.50	Oct.	16.2	149	137	126	102	ne.
Winfield Locks	Putnam	570	1	......	......	....	......	....	1	41.25	8.35	July	.40	Oct.	8.2	134	......	......	......	......
State averages and	extremes	....	....	**54.5**	***103**	**July 11**	**−10**	**Nov. 26**	....	**42.38**	**11.32**	**July**	**.12**	**Oct.**	**21.8**	**132**	**144**	**97**	**124**	**w.**

† Also on other dates. * At Inwood. ‡ Also in December.

Monthly and Annual Mean Temperatures for the Year 1938, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	27.8	−1.0	34.0	+4.4	41.4	+3.7	45.4	+1.7	53.5	−2.9	60.0	−3.5	66.4	−1.2	65.9	+0.1	57.5	−3.4	46.4	−2.8	37.9	−1.2	27.0	−1.1	46.9	−0.6
Brandywine	34.2	+3.3	41.0	+6.3	47.8	+6.4	54.0	+4.1	61.0	+2.4	67.2	+.2	72.6	+1.3	71.9	+2.0	67.6	+2.9	54.2	+.9	43.4	+1.4	32.7	−1.5	54.0	+2.5
Kearneysville	31.6	......	38.8	......	46.4	......	54.4	......	62.0	......	69.8	......	75.8	......	75.7	......	64.7	......	54.6	......	43.4	......	33.6	......	54.2	......
Martinsburg	32.4	+1.4	38.0	+6.6	45.6	+4.0	55.2	+3.6	63.6	+.8	72.5	+1.5	78.0	+2.3	78.2	+5.2	65.8	−1.1	55.3	+.6	45.2	+2.0	34.4	+.4	55.4	+2.3
McNeill	32.6	+1.6	41.2	+8.9	46.3	+5.3	53.3	+1.5	59.7	−.5	66.9	−.9	71.9	+.3	71.8	+.5	62.6	−3.2	53.2	−.9	43.2	+.9	32.9	+.3	53.0	+1.2
Piedmont	31.2	+.3	37.6	+3.8	45.8	+4.6	52.5	+2.1	59.6	−.4	67.1	−1.0	74.4	+2.1	73.4	+2.9	63.0	−2.7	55.8	+2.4	44.8	+2.6	32.6	−.4	53.2	+1.4
Romney	32.4	+.9	38.9	+4.7	46.6	+4.2	53.4	+1.7	60.0	−2.9	67.4	−2.5	75.4	+.5	75.6	+3.0	65.1	−1.7	55.8	+.9	45.8	+2.7	34.4	−.1	54.2	+.9
Wardensville	30.8	.0	39.6	+5.8	45.1	+3.2	52.6	+3.0	59.9	+.5	67.1	+1.6	73.6	+3.0	73.4	+3.9	63.2	−1.0	54.0	+1.4	43.4	−.5	33.6	−.1	53.0	+1.7
Northern Division																										
Benson	33.4	−.7	41.0	+3.0	48.6	+8.3	54.2	+1.6	59.6	−1.2	66.3	−1.9	72.8	+.3	72.8	+2.1	65.3	−1.6	53.0	+.1	42.7	−.4	33.9	−2.3	53.6	+.6
Bens Run	33.7	+.8	40.6	+7.8	49.4	+5.9	56.9	+4.1	63.8	+.8	70.7	−.1	77.1	+2.0	77.4	+3.8	68.9	+.5	58.1	+1.5	47.5	+3.4	36.0	+1.2	56.7	+2.7
Brownsville	38.4	+3.8	*44.2	+6.6	*49.4	+7.5	58.4	+6.1	64.1	+2.5	69.0	−.5	74.4	+.6	72.6	+.4	66.4	−1.2	55.4	+.8	47.5	+2.9	35.8	−.8	56.3	+2.4
Buckhannon	34.0	+1.5	42.2	+9.1	49.4	+7.5	56.0	+4.9	60.7	−.4	67.4	−1.0	72.2	+.4	72.4	+2.5	65.9	+1.4	54.0	+.2	44.6	+2.4	35.8	+1.6	54.6	+2.6
Cairo	*35.0	+.6	42.4	+8.2	48.8	+4.5	[h]59.2	+5.2	62.9	−.2	69.2	−1.1	74.0	−.3	75.0	+2.5	66.8	−1.3	56.7	+.9	45.4	+1.7	36.0	+1.3	56.0	+1.9
Clarksburg	32.0	−.6	39.9	+5.3	47.4	+7.7	55.3	+4.1	61.2	+.9	67.6	−1.8	73.8	.0	74.2	+2.2	65.7	−1.8	52.6	−.8	42.2	−.6	32.6	−2.6	53.7	+1.0
Creston	35.9	+1.8	*42.2	+7.5	*49.6	+5.6	54.6	+1.2	60.2	−2.9	66.1	−4.6	73.2	−1.5	72.8	−.3	65.2	−2.6	54.2	−1.5	42.3	−1.9	34.0	−1.3	54.2	.0
Elkins	31.2	+.8	39.1	+7.5	47.2	+7.2	52.4	+3.6	58.0	−1.2	64.4	−2.5	70.7	+.4	70.8	+1.7	63.5	+.5	52.6	+.3	43.3	+3.0	33.7	+1.0	52.2	+1.9
Fairmont	32.8	+.6	39.2	+6.1	47.7	+6.2	56.4	+4.6	62.3	+.2	69.2	−1.1	75.5	+1.2	76.0	+3.3	66.2	−1.2	55.6	+.5	44.8	+1.9	34.2	+.2	55.0	+1.9
Glenville	35.2	+1.4	44.6	+10.0	51.8	+7.1	58.4	+4.5	64.1	+.5	69.6	−1.5	75.0	−.3	75.4	+1.5	67.6	−.9	56.0	−.2	42.7	−1.6	34.4	−1.5	56.2	+1.6
Grafton	35.0	+2.4	43.8	+11.2	50.8	+9.3	56.6	−5.1	61.6	+.1	68.0	−1.1	74.0	+1.4	75.3	+3.9	67.8	+.7	58.2	+3.0	47.4	+4.3	37.6	+3.4	56.3	+3.6
Lost Creek	33.5	+.6	41.8	+9.1	48.6	+6.2	55.7	+5.1	60.8	+.4	67.3	−.3	73.0	+.8	72.9	+2.2	65.4	.0	54.3	+.1	43.9	+1.3	35.0	+.6	54.4	+2.2
Mannington	31.8	−.1	40.3	+7.5	47.8	+5.5	53.7	+2.6	59.4	−1.0	65.8	−2.0	71.7	−.1	71.4	+1.2	63.6	−1.3	53.3	−.3	42.4	+.4	33.5	−.1	52.9	+1.0
Morgantown	32.6	+.3	*38.6	+5.8	44.2	+2.1	56.6	+4.9	63.0	+.9	67.5	−1.8	74.6	+1.1	75.4	+3.4	63.6	−3.9	54.0	−1.2	44.0	+.2	36.8	+2.4	54.2	+1.1
New Cumberland	33.2	+4.6	39.7	+10.6	47.0	+7.6	54.2	+5.0	61.1	+.9	67.6	−.6	75.0	+2.0	75.6	+4.8	65.4	−.1	56.2	+2.2	43.8	+2.2	34.8	+3.1	54.5	+3.6
New Martinsville	*34.0	+.9	*40.1	+6.6	47.8	+4.5	53.6	+.5	61.4	−1.6	68.2	−2.9	75.6	+.4	75.1	+1.4	65.0	−3.5	55.2	−1.6	42.4	−2.4	33.0	−2.3	54.3	.0
Parkersburg	33.8	+1.3	41.0	+6.8	49.4	+6.6	56.4	+3.0	62.9	−.9	69.8	−1.6	75.4	.0	75.6	+1.7	68.0	+.7	56.8	+.7	46.4	+2.6	36.0	+.8	56.0	+1.8
Parsons	33.9	−.6	40.2	+8.5	47.7	+7.2	52.2	+3.0	59.2	+.4	65.4	−1.5	73.4	+2.6	[f]73.9	+4.5	[c]64.4	+.7	54.9	+3.4	44.6	+3.4	34.3	+2.0	53.7	+2.8
Pickens	29.0	−1.9	37.0	+5.1	45.0	+5.8	51.0	+2.9	55.4	−2.7	60.4	−4.5	66.7	−1.9	67.4	+.9	61.0	−.8	51.2	−.5	42.2	+1.8	33.2	+1.0	50.0	+.5
Terra Alta	26.9	−1.0	32.6	+3.8	39.9	+2.0	47.0	+.2	54.4	−3.0	*62.3	−2.4	*68.3	+.1	66.4	−.4	[j]59.9	−1.9	48.3	−.7	39.0	−1.6	*32.1	+1.5	48.1	−.3
Valley Chapel	34.6	−.5	43.4	+4.9	50.8	+8.3	56.9	+3.8	63.1	+1.5	69.0	−.6	75.2	+1.2	75.2	+2.7	66.7	−1.3	55.6	+.2	44.4	−.6	35.7	−1.8	55.9	+1.5
Wellsburg	30.6	+.4	38.4	+8.4	46.6	+6.8	52.6	+3.0	60.4	+.2	66.4	−1.6	73.4	+1.2	73.5	+3.2	63.8	−1.1	52.6	−.9	42.5	+.7	33.2	+.8	52.8	+1.7
Weston	34.7	+.6	43.4	+9.5	50.3	+6.5	57.8	+5.0	62.6	−.1	70.0	−.4	75.6	+1.2	75.4	+2.7	67.3	.0	57.0	+1.5	47.1	+3.1	35.9	+.1	56.4	+2.4
Wheeling (Dam 12)	31.4	+1.0	37.6	+5.5	45.0	+4.5	53.4	+1.8	61.0	−.8	68.6	−2.0	75.4	+.6	76.0	+3.2	65.6	−1.8	55.3	+.4	43.7	+1.5	32.8	+.2	53.8	+1.2
Southern Division																										
Bancroft	37.5	+3.2	44.9	+10.0	55.0	+11.2	*57.6	+4.1	*62.8	−.1	73.0	+2.3	77.3	+2.6	78.4	+5.3	71.8	+3.4	60.8	+4.2	50.4	+5.7	39.2	+3.8	59.1	+4.7
Beckley	32.5	−.7	39.4	+4.7	47.3	+4.6	53.4	+3.2	58.9	−.9	63.9	−6.0	69.0	−1.6	69.2	−.7	63.4	+.2	52.8	−.1	43.9	+3.6	32.5	+1.2	52.2	+.6
Bluefield	34.4	−.5	41.6	+6.8	49.8	+5.4	54.6	+1.0	61.2	−.4	70.7	+.6	71.4	−.2	71.9	+1.4	65.9	−.3	56.4	+.7	48.3	+3.4	37.0	+.1	55.3	+1.5
Charleston	37.0	−.9	43.8	+4.6	50.7	+3.3	59.6	+3.3	65.0	−.4	71.6	−1.5	76.2	−.7	77.2	+1.9	69.7	−1.2	57.6	−1.3	47.9	.0	38.1	−1.5	57.9	+.5
Flat Top	30.7	......	38.0	......	46.0	......	51.0	......	56.8	......	62.2	......	67.8	......	68.6	......	61.8	......	54.0	......	42.9	......	31.2	......	50.9	......
Gary	35.8	+.7	44.0	+6.1	50.4	+7.9	56.3	+2.9	63.0	+1.9	68.5	−.8	73.8	+.7	74.2	+2.2	67.8	−.7	55.4	−.2	46.0	+1.0	36.0	−1.8	55.9	+1.6
Greenbottom	35.4	......	41.7	......	49.3	......	56.2	......	63.0	......	70.0	......	74.9	......	[j]75.0	......	68.8	......	56.8	......	45.2	......	35.0	......	55.9	......
Hinton	35.0	+.5	41.2	+5.7	49.0	+4.9	56.7	+3.5	64.0	+.6	70.0	−.5	75.1	+.7	76.3	+3.0	67.8	−.2	56.9	−.1	47.8	+3.7	35.6	−.2	56.3	+1.8
Huntington	37.8	+3.8	44.9	+10.2	52.8	+7.8	59.6	+5.0	65.6	+.9	72.2	−.7	76.8	+.2	77.7	+2.9	70.3	+1.3	59.4	+3.0	49.8	+5.5	38.6	+3.0	58.8	+3.6
Institute	36.6	......	44.6	......	53.3	......	58.9	......	63.8	......	70.2	......	75.4	......	76.2	......	68.7	......	57.6	......	47.2	......	38.1	......	57.6	......
Lewisburg	34.4	+2.0	41.7	+8.4	48.7	+6.6	55.0	+4.5	61.1	+1.0	65.6	−1.6	70.9	−.1	72.2	+2.8	65.0	+.7	54.8	+1.6	45.4	+3.5	34.3	+1.1	54.1	+2.5
London Locks	37.6	......	45.3	......	51.6	......	58.2	......	64.0	......	71.0	......	76.4	......	76.8	......	69.6	......	58.5	......	48.0	......	39.0	......	58.0	......
Madison	35.8	−.8	43.0	+6.4	49.1	+6.4	57.8	+3.5	62.8	−1.0	69.8	−2.5	75.2	+.4	76.7	+2.3	69.4	+1.7	57.3	+1.7	45.0	+1.5	36.1	+1.1	56.5	+1.7
Marlinton	32.4	+4.4	40.1	+8.3	47.1	+9.2	51.8	+5.0	59.4	+2.4	64.2	−.1	69.1	+1.5	70.0	+3.8	64.0	+2.8	52.8	+3.2	42.8	+5.2	31.8	+2.4	52.1	+4.0
Point Pleasant	36.9	+2.8	43.6	+10.2	52.2	+7.0	58.7	+3.8	65.0	+.3	71.0	−1.4	76.4	.0	77.2	+2.5	69.8	+3.9	59.0	+1.8	48.8	+3.5	36.9	+1.1	58.0	+3.0
Rainelle	32.0	......	39.8	......	45.8	......	50.0	......	56.6	......	61.4	......	68.3	......	67.2	......	62.8	......	52.1	......	42.2	......	31.8	......	50.8	......
Ravenswood (Dam 22)	35.8	+.4	42.6	+3.8	50.7	+7.4	57.7	+3.9	62.6	+.7	69.6	−.9	75.5	+.4	75.0	+2.1	67.8	−1.6	57.0	+.7	46.2	+.5	36.0	−1.9	56.4	+1.3
Richwood	27.4	......	34.6	......	48.2	......	53.0	......	58.7	......	65.0	......	70.8	......	70.8	......	64.4	......	52.6	......	45.0	......	34.2	......	52.1	......
Robertsburg	34.0	+.7	42.2	+8.1	50.3	+6.4	58.5	+5.5	64.2	+1.0	70.8	−.4	75.3	−.1	76.5	+2.6	69.6	+1.2	56.2	−.4	44.6	+1.0	35.2	+.5	56.4	+2.1
Ryan	33.6	+.6	41.6	+7.3	49.0	+6.2	55.6	+3.6	59.7	−1.5	66.8	−2.0	72.4	−.7	72.9	+1.2	67.1	+2.5	55.7	+3.0	44.3	+.9	34.8	+.3	54.5	+1.8
Spencer	34.5	+.8	43.4	+8.2	49.7	+6.8	56.2	+3.4	61.8	−.2	69.2	−.5	74.8	+1.2	75.6	+3.3	68.0	+1.5	56.5	+1.6	46.0	+1.9	36.2	−.3	56.0	+2.3
Sutton	35.3	+1.0	43.3	+7.2	50.4	+6.2	56.6	+3.8	61.8	−1.5	68.8	−2.5	73.6	−1.2	75.4	+2.3	68.6	−.1	57.0	+.3	45.4	+1.4	35.6	+.4	56.0	+1.5
Union	33.6	+.3	39.6	+4.4	47.8	+4.4	52.8	+1.0	60.1	−.8	65.2	−2.6	71.3	−.3	71.0	+.8	66.6	+.5	54.6	+.2	45.8	+3.4	34.8	+.8	53.6	+1.0
White Sulphur Springs	30.8	−1.3	38.2	+2.7	45.2	+2.6	53.8	+2.4	61.4	+.9	66.7	−1.3	72.6	+1.0	70.8	+.5	63.4	−1.5	51.6	−.8	41.2	−.9	32.4	−.7	52.3	+.3
Williamson	37.2	+1.2	45.6	+8.2	51.7	+5.0	58.2	+2.7	64.2	−.8	71.3	−1.3	76.0	−.1	77.8	+3.0	69.8	+.1	58.4	+.6	47.6	+2.0	37.8	+.2	58.0	+1.8

MONTHLY STATE DATA FOR 1938

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	33.5	+0.7	77	−2	2.22	−1.48	4.2	11	7	7	17	w.
February	40.9	+7.6	76	4	3.01	−.10	2.9	12	5	7	16	w.
March	48.3	+5.8	92	3	4.02	+.09	.7	15	8	8	15	w.
April	54.8	+3.0	92	18	3.06	−.45	.9	10	14	9	7	w.
May	61.1	−.6	94	20	5.97	+2.01	T.	16	11	9	11	w.
June	67.8	−1.8	97	28	5.69	+1.48	.0	14	10	11	9	w.
July	73.6	+.4	103	37	5.58	+.99	.0	14	13	10	8	w.
August	73.7	+1.9	100	35	2.58	−1.52	.0	8	18	9	4	w.
September	65.8	−.6	95	28	3.59	+.67	.0	10	10	9	11	w.
October	55.0	+.4	92	15	.89	−1.96	T.	4	22	5	4	w.
November	44.7	+1.5	86	−10	3.96	+1.20	11.0	9	16	6	8	w.
December	34.7	+.1	69	−5	1.81	−1.50	2.1	9	10	7	14	w.
Annual	54.5	+1.5	103	−10	42.38	−.68	21.8	132	144	97	124	w.

MONTHLY EVAPORATION

Station		Apr.	May	June	July	Aug.	Sept	Oct.	Nov.
Clarksburg	Evaporation, inches	3.935	4.543	4.517	4.978	5.140	3.643	1.978	......
	Wind Movement, miles	1,984	1,253	712	570	776	903	878	......

KILLING FROSTS

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Aberdeen	May 13	Oct. 8	Mannington	May 13	Oct. 3
Alpena	May 13	Oct. 2	Marlinton	April 24	Oct. 8
Bancroft	May 13	Nov. 9	Martinsburg	April 11	Oct. 8
Bayard	May 13	Oct. 8	McNeill	May 13	Oct. 3
Beckley	May 13	Oct. 8	Morgantown	April 23	Oct. 8
Benson	May 13	Oct. 8	New Cumberland	May 12	Oct. 7
Bens Run	May 12	Nov. 9	New Martinsville	May 13	Oct. 8
Bluefield	April 11	Nov. 9	Parkersburg	May 12	Nov. 1
Brandywine	May 13	Oct. 3	Parsons	May 13	Oct. 8
Brownsville	May 13	Oct. 3	Pickens	May 13	Oct. 8
Buckhannon	May 13	Oct. 25	Piedmont	April 11	Oct. 31
Cairo	May 13	Oct. 25	Point Pleasant	May 12	Nov. 1
Charleston	April 11	Nov. 9	Rainelle	May 13	Oct. 8
Clarksburg	May 13	Oct. 9	Ravenswood	May 13	Oct. 8
Creston	May 13	Oct. 8	Richwood	May 12	Oct. 7
Elkins	May 13	Oct. 22	Robertsburg	May 12	Oct. 8
Fairmont	May 12	Oct. 8	Romney	May 13	Oct. 8
Gary	April 11	Oct. 25	Ryan	May 13	Oct. 8
Glenville	May 12	Oct. 25	Spencer	May 13	Oct. 8
Grafton	May 13	Oct. 3	Sutton	May 13	Oct. 25
Greenbottom	May 12	Oct. 25	Terra Alta	May 13	Oct. 8
Hinton	April 11	Oct. 25	Union	April 11	Oct. 8
Huntington	May 12	Nov. 9	Valley Chapel	May 13	Oct. 31
Institute	April 11	Oct. 25	Wardensville	April 11	Oct. 3
Kearneysville	April 11	Oct. 8	Wellsburg	May 13	Oct. 7
Lewisburg	April 11	Oct. 8	Weston	May 13	Oct. 7
London Locks	April 11	Nov. 9	Wheeling (Dam 12)	May 12	Oct. 7
Lost Creek	May 13	Oct. 8	White Sulphur Spgs	May 13	Oct. 8
Madison	April 11	Oct. 26	Williamson	April 11	Oct. 25

Reference letters indicate number of days missing; [a] one day, [b] two days, etc. * Interpolated

Monthly and Annual Precipitation for the Year 1938, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	1.97	-2.53	2.57	-0.93	3.45	-1.06	3.01	-0.83	6.49	+2.19	5.31	+0.18	7.73	+3.49	2.25	-2.13	3.76	+0.45	1.04	-2.22	2.59	-0.41	2.25	-1.59	42.42	-5.39
Brandywine	1.15	-1.19	.95	-.81	2.20	-.27	1.25	-1.42	5.30	+2.22	6.00	+2.12	5.30	+1.73	3.20	-.38	2.20	-.18	1.10	-1.27	2.65	+.87	1.30	-.80	32.60	+.62
Harpers Ferry	1.82	-.89	2.23	-.03	2.13	-.92	1.85	-1.40	6.12	+2.68	2.23	-1.42	4.75	+1.25	2.30	-1.69	3.77	+1.11	1.36	-1.90	3.25	+1.06	3.43	+.82	35.24	-1.33
Kearneysville	1.17	......	1.72	......	2.20	......	1.52	......	4.36	......	3.23	......	2.93	......	2.71	......	3.37	......	1.62	......	3.06	......	3.58	......	31.47	......
Martinsburg	1.79	-.72	1.59	-.81	3.48	+.22	1.92	-1.19	4.07	+.68	2.56	-1.58	5.46	+1.84	3.63	-.43	3.97	+1.05	1.75	-1.32	3.65	+1.40	4.58	+1.82	38.45	+.96
McNeill	.88	-1.50	.64	-1.49	2.37	-.22	1.24	-1.72	4.79	+1.56	4.29	+.69	5.60	+2.57	2.36	-.63	3.29	+1.01	1.92	-.39	2.41	+.86	2.02	-.04	31.81	+.70
Piedmont	.95	-1.63	.83	-1.41	2.81	-.17	1.76	-1.25	4.94	+1.29	3.48	-.52	3.88	+.40	1.41	-2.18	3.06	+.65	.88	-1.77	2.40	+.51	1.45	-.96	27.85	-7.04
Romney	1.87	-.52	.96	-.94	3.06	+.20	1.18	-1.79	4.76	+1.23	2.51	-1.31	6.63	+3.15	1.09	-2.52	3.93	+1.25	1.40	-1.15	2.22	+.44	2.82	+.57	32.43	-1.39
Spruce Knob	2.23	......	3.45	......	4.47	......	2.75	......	7.17	......	5.53	......	7.87	......	5.51	......	7.30	......	1.73	......	3.29	......	1.73	......	53.03	......
Stony River Dam	2.25	-.56	3.35	+.50	3.35	.00	1.38	-2.37	6.42	+1.82	4.64	+.62	3.18	-.96	1.42	-3.16	2.23	-.55	1.49	-1.71	2.63	-.32	2.62	-.62	34.96	-7.31
Wardensville	.66	-1.47	1.03	-.68	1.65	-.55	1.08	-1.43	5.06	+2.10	2.15	-.85	3.34	+.24	1.86	-1.77	2.57	-.02	1.30	-1.86	2.00	+.37	3.56	+1.82	26.26	-4.10
Northern Division																										
Aberdeen	2.07	-1.33	3.81	+.71	3.71	-.08	2.92	-.88	6.30	+2.43	7.24	+2.88	5.49	+.70	2.81	-1.67	3.16	-.15	1.02	-2.52	5.20	+1.86	1.57	-1.43	45.30	+.52
Alma (near)	2.34	-.32	1.97	-.29	3.87	-.14	3.34	-.03	4.82	+1.15	6.53	+2.43	2.51	-1.58	2.94	-2.59	2.99	+.02	.99	-1.73	3.72	+.69	1.22	-1.76	37.24	-4.15
Benson	2.59	-1.02	3.31	-.40	3.74	+.28	3.75	+.54	5.52	+1.59	5.77	+1.46	3.86	-1.29	2.07	-2.38	2.83	-.80	.70	-2.86	4.41	+.92	1.25	-2.24	39.80	-6.20
Bens Run	1.92	-2.06	2.13	-.98	4.19	+.15	3.71	+.15	6.56	+2.56	6.24	+2.02	1.18	-3.35	2.04	-2.20	3.43	+.84	.74	-2.28	3.74	+.85	1.68	-1.88	37.56	-6.18
Brownsville	2.10	-1.49	3.68	+.61	4.37	+.90	3.36	.00	9.96	+5.73	9.65	+5.34	8.96	+4.16	4.37	+.10	3.03	-.72	.94	-2.48	3.92	+.25	1.92	-1.40	56.26	+11.00
Buckhannon	2.21	-2.19	3.36	-.40	5.68	+1.17	3.49	-.40	6.06	+1.63	7.11	+2.40	8.47	+3.75	1.01	-3.08	3.66	+.70	.85	-2.29	5.14	+2.04	1.63	-2.55	48.67	+.78
Cairo	*2.45	-1.50	3.20	+.23	3.83	+.01	3.35	-.11	7.74	+4.32	6.47	+1.96	4.08	-.34	3.02	-.85	4.47	+1.67	.70	-2.22	3.33	+.45	1.52	-1.93	44.16	+1.69
Clarksburg	1.73	-1.58	3.24	+.20	3.29	+.27	2.34	-1.03	4.89	+1.21	5.20	+.93	4.08	.00	1.00	-3.48	2.25	-1.35	.65	-2.48	3.81	+.62	1.26	-1.82	33.74	-8.51
Crawford	2.27	-1.21	3.16	-.16	4.43	+.10	2.89	-1.34	6.48	+1.99	6.36	+1.59	6.82	+1.68	1.75	-2.83	3.23	-.51	.90	-2.59	4.73	+1.09	1.71	-1.88	44.73	-4.07
Creston	2.94	-.99	3.05	-.14	4.09	-.01	3.43	-.23	6.39	+2.68	4.81	+.43	3.36	-.86	3.83	-.03	2.97	+.28	.64	-2.51	4.16	+1.41	1.63	-1.84	41.30	-1.81
Dam 10, Mon R.	2.16	-1.03	3.33	+.46	3.87	+.10	3.67	+.20	4.85	+.78	6.08	+1.74	3.54	-.54	1.65	-2.41	3.00	-.52	1.08	-2.09	3.27	+.12	1.55	-1.87	38.05	-5.06
Dam 13, O. R.	2.01	-1.12	3.22	+.79	4.17	+.74	3.69	+.37	4.84	+1.42	5.10	+1.27	1.16	-3.20	2.55	-.82	*3.10	+.12	1.40	-1.29	3.16	+.78	1.37	-1.61	35.77	-2.55
Dam 15, Mon. R.	1.90	-1.32	4.13	+1.14	3.89	+.75	3.79	+.50	4.98	+1.38	5.60	+1.61	5.51	+1.58	1.47	-2.66	1.98	-1.21	.83	-2.41	3.51	+.22	1.48	-1.65	39.07	-2.07
Dam 19 O. R.	1.80	-1.61	2.78	+.21	3.91	+.37	4.31	+1.13	5.41	+1.99	6.47	+2.55	1.86	-2.07	1.83	-1.83	3.91	+1.25	.76	-1.89	2.90	+.26	1.33	-1.80	37.27	-1.44
Dam 20 O. R.	1.84	-1.78	2.13	-.63	4.06	+.35	3.89	+.65	4.68	+1.22	4.99	+1.00	4.15	+.22	3.09	-.70	4.87	+2.28	.62	-2.13	3.15	+.55	1.24	-1.90	38.71	-.87
Elizabeth	1.68	-2.09	2.62	-.24	3.77	+.02	3.01	-.16	6.04	+2.61	8.80	+4.59	4.63	+.23	2.56	-1.44	3.65	+1.06	.64	-2.28	4.00	+1.46	1.46	-1.67	42.86	+2.09
Elkins	2.25	-1.53	3.48	+.40	4.39	+.59	2.62	-1.00	7.10	+3.05	5.77	+.71	6.09	+.71	1.39	-2.47	4.64	+1.49	1.08	-1.83	4.28	+1.50	1.69	-1.77	44.78	-.15
Fairmont	1.94	-1.99	4.21	+1.19	3.80	-.17	3.49	+.22	4.80	+.92	5.26	+.85	4.35	-.05	1.75	-2.25	2.64	-.31	.90	-2.21	3.59	+.83	1.82	-1.67	38.55	-4.64
Glenville	2.21	-2.22	3.61	+.04	5.30	+1.01	3.41	-.35	10.51	+6.39	6.67	+2.28	5.09	+.22	2.24	-1.99	4.84	+1.62	.56	-2.65	5.86	+2.81	1.69	-2.24	51.99	+4.92
Grafton	1.92	-1.65	2.10	-.81	3.71	-.05	2.82	-.47	5.27	+1.59	5.97	+1.84	6.49	+2.41	2.09	-1.62	2.07	-.54	1.01	-1.95	5.24	+2.81	1.31	-1.77	40.00	-.21
Hackers Creek	1.79	......	3.71	......	3.45	......	3.25	......	5.42	......	7.68	......	2.36	......	2.27	......	3.14	......	.79	......	4.78	......	1.16	......	39.80	......
Hastings	3.65	......	4.05	......	4.38	......	3.64	......	6.07	......	5.06	......	3.04	......	4.61	......	2.87	......	.94	......	3.76	......	1.53	......	43.60	......
Horner	1.97	-2.06	3.13	-.52	3.77	+.01	2.75	-.61	6.65	+1.98	8.25	+3.95	8.69	+3.89	2.29	-2.59	3.02	-.51	1.05	-2.64	4.41	+.62	.92	-2.61	46.90	-1.09
Ireland	2.57	......	3.23	......	4.20	......	2.80	......	6.50	......	5.56	......	7.43	......	2.73	......	3.37	......	1.10	......	4.96	......	1.31	......	45.76	......
Jackson's Mill	2.16	......	1.74	......	*4.00	......	2.81	......	4.97	......	6.52	......	3.70	......	1.35	......	3.40	......	.80	......	4.36	......	1.47	......	37.28	......
Jane Lew	1.87	-1.39	3.14	+.37	3.83	+.57	2.73	-.92	5.69	+1.09	6.55	+2.48	3.56	-1.38	1.40	-3.45	3.04	-.20	.82	-2.50	4.48	+1.16	1.48	-1.60	38.59	-5.77
Lost Creek	2.06	-1.86	3.91	+.83	3.79	-.13	3.21	-.21	5.64	+1.49	6.93	+2.60	3.46	-.87	1.57	-2.66	2.73	-.26	.93	-2.06	4.68	+1.87	1.67	-1.86	40.58	-3.12
Mannington	3.04	-1.08	4.06	+1.16	4.61	+.58	3.41	-.29	5.05	+1.04	5.17	+.89	5.01	+.22	1.10	-2.98	2.13	-1.26	.82	-2.35	3.62	+.58	1.87	-1.70	39.89	-5.19
Morgantown	1.80	-1.66	3.75	+1.19	2.80	-.59	3.16	+.01	6.76	+3.06	5.74	+1.50	4.20	-.18	1.88	-2.13	2.77	-.10	1.24	-1.91	3.60	+1.07	1.32	-1.78	39.02	-1.52
New Cumberland	2.27	-.57	2.48	+.04	5.01	+1.77	3.45	+.17	4.45	+1.05	7.40	+2.85	2.24	-1.84	3.19	-.20	4.10	+1.19	1.17	-1.55	3.67	+1.35	1.23	-1.53	40.66	+2.73
New Martinsville	2.48	-1.50	5.85	+3.01	3.67	-.12	3.41	-.09	6.00	+2.33	4.83	+.72	2.91	-1.58	2.53	-1.36	1.63	-1.40	1.13	-1.99	3.98	+1.14	1.77	-1.79	40.19	-2.63
Parkersburg	1.77	-1.81	2.45	-.68	3.42	-.07	3.43	+.24	4.81	+1.43	4.70	+.70	3.08	-1.21	1.97	-1.54	3.61	+.85	.73	-1.75	2.92	+.35	1.15	-1.88	34.04	-5.37
Parsons	2.11	-2.50	4.12	+.60	4.10	-.11	2.61	-1.15	7.74	+3.61	4.74	-.25	10.84	+5.75	1.89	-2.16	2.94	-.21	1.00	-2.27	3.58	+.65	2.07	-1.98	47.74	-.02
Philippi	2.26	-1.88	3.06	-.12	3.67	-.47	2.99	-.73	5.89	+1.62	7.79	+3.16	6.79	+2.06	1.91	-2.33	2.37	-.93	1.05	-2.09	5.87	+2.94	1.89	-1.88	45.54	-.71
Pickens	4.41	-1.91	5.66	+.57	7.75	+1.84	3.36	-1.83	8.55	+3.30	7.69	+1.89	4.74	-1.30	2.89	-2.58	7.09	+2.99	1.56	-2.48	5.33	+1.11	3.10	-2.28	62.13	-.68
Roanoke	1.72	-1.88	3.02	-.36	3.79	+.17	2.95	-.63	6.52	+2.16	5.82	+1.51	5.60	+.71	1.89	-2.45	3.53	+.13	.90	-2.52	5.51	+2.14	1.60	-1.77	42.85	-2.79
Rockford	2.23	......	3.24	......	3.80	......	3.00	......	5.10	......	6.18	......	3.53	......	1.94	......	3.13	......	.84	......	4.83	......	1.44	......	39.26	......
Rowlesburg	2.42	-2.49	3.56	-.09	4.69	-.16	3.70	-.49	7.67	+3.04	4.74	-.63	11.50	+6.30	3.22	-1.31	5.08	+1.60	1.14	-3.21	4.59	+1.04	1.53	-2.85	53.84	+.75
St. Marys	2.62	-1.12	2.50	-.43	3.69	-.23	4.48	+1.06	7.61	+4.10	7.07	+2.90	1.98	-2.18	3.01	-1.08	2.44	-.26	.93	-1.93	4.24	+1.44	1.40	-1.94	41.97	+.33
Terra Alta	3.87	-1.01	2.69	-.90	5.33	+.89	3.60	-.50	9.10	+4.12	4.30	-1.88	8.70	+3.46	1.80	-3.21	*3.70	-.01	1.37	-2.52	3.71	+.51	*2.90	-1.84	51.07	-2.89
Thomas	2.43	......	3.66	......	4.71	......	3.08	......	8.62	......	6.24	......	9.86	......	2.48	......	3.64	......	.95	......	4.07	......	2.53	......	52.27	......
Valley Chapel	2.42	-1.12	3.50	+.43	4.20	+.51	3.00	-.41	5.26	+1.37	8.19	+4.44	3.42	-1.51	2.21	-1.95	3.90	+.58	.72	-2.69	4.83	+1.56	1.45	-1.77	43.10	-.56
Vandalia	1.65	-1.42	3.21	+.19	3.97	+.77	2.72	-.98	5.20	+1.62	9.55	+5.74	6.16	+1.00	1.54	-2.66	4.48	+1.21	.90	-2.07	4.80	+1.42	1.26	-1.14	45.44	+3.68
Wellsburg	1.92	-1.13	2.67	+.48	4.93	+1.74	3.72	+.56	4.51	+1.31	6.97	+2.83	2.48	-1.70	3.20	-.36	4.43	+1.44	1.27	-1.45	2.95	+.38	1.38	-1.53	40.43	+2.57
West Milford	2.56	-.51	3.77	+.44	3.54	.00	3.42	-.40	5.21	+1.48	6.56	+2.29	2.61	-2.04	1.23	-3.39	2.69	-.58	.68	-3.54	4.30	+.69	1.60	-1.48	38.17	-7.04
Weston	2.79	-1.32	3.68	+.08	5.12	+.84	3.27	-.24	6.27	+2.43	9.19	+4.85	5.87	+1.45	3.00	-.70	3.13	+.50	.94	-1.87	5.02	+2.08	1.84	-1.79	50.12	+6.31
Wheeling (Dam 12)	1.95	-1.09	3.23	+.94	3.91	+.63	4.68	+1.45	5.86	+2.76	6.54	+2.65	1.56	-2.74	3.04	-.51	4.69	+1.77	1.27	-1.46	3.44	+1.01	1.59	-1.39	41.76	+4.02
Southern Division																										
Arbovale	1.34	-1.47	2.53	-.34	2.28	-1.53	1.93	-1.29	5.41	+2.00	5.10	+1.35	4.28	-.43	1.93	-2.38	3.48	+.95	.65	-1.99	4.45	+1.37	1.63	-1.53	35.01	-5.29
Bancroft	2.32	-1.75	2.81	-.28	4.22	+.22	3.26	-.17	5.95	+2.20	4.37	+.05	9.74	+5.57	1.81	-2.31	5.77	+2.89	.63	-2.35	4.78	+2.16	1.69	-1.78	47.35	+4.45
Beckley	3.43	-.24	3.87	+.92	5.26	+1.49	3.19	-.29	6.18	+2.55	6.73	+2.32	7.48	+3.10	3.78	-.06	3.28	+.74	1.20	-1.78	3.94	+1.35	2.84	-.47	51.18	+9.63
Bluefield	2.27	-.74	1.94	-.99	4.37	+1.25	2.76	-.35	5.84	+2.72	4.24	+.01	8.26	+4.19	2.67	-.94	3.96	+1.64	.67	-2.10	3.38	+1.33	1.64	-1.24	42.00	+4.78
Camden-on-Gauley	2.66	......	3.62	......	4.32	......	2.22	......	6.66	......	4.42	......	4.58	......	3.54	......	4.06	......	.71	......	4.76	......	1.38	......	42.93	......
Charleston	2.38	-1.65	3.08	-.23	4.46	-.04	4.90	+1.03	6.29	+2.51	3.20	-1.19	11.32	+6.54	4.10	-.37	4.86	+1.88	.64	-2.40	5.20	+2.13	1.46	-2.18	51.89	+6.03
Clay	2.09	-1.59	3.21	-.05	4.28	+.13	3.19	-.25	5.51	+1.72	5.02	+.51	7.11	+2.13	2.93	-1.56	3.44	+.22	1.38	-1.60	5.22	+2.32	1.76	-1.74	45.14	+.24
Flat Top	2.84	......	2.98	......	4.53	......	3.03	......	6.25	......	1.94	......	8.46	......	2.20	......	4.42	......	.46	......	3.07	......	1.82	......	45.00	......
Gary	2.98	-.47	2.57	-.57	4.08	-.08	2.98	-.51	5.24	+1.27	5.71	+.64	6.71	+1.78	4.83	+.72	3.72	+.73	.45	-2.45	2.72	+.02	2.10	-1.27	44.09	-.19
Greenbottom	2.33	......	2.35	......	5.14	......	2.88	......	5.07	......	6.18	......	4.51	......	2.60	......	5.42	......	.80	......	3.60	......	1.48	......	42.36	......
Hinton	2.05	-1.21	2.37	-.52	3.33	-.57	2.44	-.76	4.32	+.77	4.83	+.53	8.00	+3.93	1.49	-2.67	3.06	+.37	.38	-2.45	3.17	+.76	1.92	-1.26	37.36	-3.08
Hogsett	2.31	-1.53	1.79	-1.14	3.14	-.74	4.69	+1.42	5.39	+1.71	5.85	+1.82	3.88	.00	2.10	-1.06	5.87	+3.69	.68	-1.95	3.56	+.88	1.43	-1.83	40.69	+1.27
Huntington	2.37	-1.42	2.29	-.79	3.92	-.30	3.88	+.37	5.61	+1.64	5.76	+1.53	6.24	+1.94	2.22	-1.48	6.29	+3.84	.54	-1.98	3.58	+1.06	1.58	-1.79	44.28	+2.62
Institute	2.57	......	3.02	......	4.24	......	3.79	......	6.89	......	3.88	......	8.83	......	2.92	......	5.03	......	.52	......	4.98	......	1.52	......	48.19	......
Kanawha Falls	.93	-2.28	2.90	+.26	3.85	+.65	2.58	-1.14	5.48	+1.58	6.05	+1.97	6.58	+1.72	2.34	-2.55	2.92	-.24	.75	-2.55	3.35	+.22	1.80	-1.56	39.53	-3.92
Lewisburg	1.86	-1.49	1.69	-1.10	3.29	-.35	1.59	-1.73	4.27	+.91	6.72	+2.78	6.25	+2.36	5.66	+1.71	2.82	+.13	.12	-2.88	2.76	+.28	1.77	-1.34	38.80	-.72
Logan	2.25	-2.17	3.09	-.41	5.38	+.66	4.44	+.29	5.21	+1.10	6.58	+1.69	7.36	+2.43	5.38	+.89	1.90	-1.25	.46	-2.59	5.19	+1.96	2.37	-1.73	49.61	+.87
London Locks	1.92	......	3.22	......	4.63	......	3.18	......	6.09	......	4.85	......	8.71	......	3.70	......	3.59	......	.77	......	4.86	......	1.87	......	47.39	......
Madison	2.43	-1.67	3.19	-.04	5.52	+1.34	3.25	-.59	6.14	+1.81	7.47	+3.31	9.72	+4.39	2.42	-1.40	4.52	+1.06	.64	-1.99	4.21	+1.56	1.94	-.96	51.45	+6.82
Marlinton	1.32	-2.88	2.02	-1.28	2.71	-1.83	2.27	-1.35	7.04	+3.10	4.52	-.29	4.30	-.49	3.10	-1.58	2.96	-.05	.60	-2.39	2.85	-.09	2.00	-1.90	35.69	-11.03
Point Pleasant	2.59	-1.36	2.46	-.69	3.96	-.13	4.81	+1.50	4.66	+.67	5.39	+1.31	2.99	-1.15	3.22	+.01	4.45	+2.04	.77	-2.04	3.92	+1.09	1.64	-1.86	40.86	-.61
Rainelle	2.81	......	3.85	......	4.28	......	3.38	......	5.19	......	6.82	......	5.52	......	1.93	......	6.56	......	.68	......	4.61	......	2.73	......	48.36	......
Ravenswood (Dam 22)	1.95	-1.65	1.90	-1.07	3.69	-.20	3.65	+.49	6.68	+2.97	6.69	+2.55	4.40	+.38	2.20	-1.15	3.84	+1.54	.45	-2.34	3.49	+.77	1.43	-1.89	40.37	+.40
Richwood	2.60	......	3.57	......	5.00	......	3.00	......	7.58	......	5.77	......	5.90	......	2.46	......	4.55	......	1.09	......	4.15	......	2.93	......	48.60	......
Robertsburg	2.00	-1.93	2.89	-.15	3.43	-.52	2.98	-.33	5.55	+2.15	5.55	+1.73	6.14	+2.38	2.84	-.66	3.71	+1.25	.48	-2.23	3.10	+.55	1.57	-1.77	40.24	+.47
Ryan	2.58	-1.47	2.64	-.64	3.60	-.76	3.47	-.31	6.18	+2.54	3.95	-.70	5.97	+1.37	4.19	+.11	5.01	+2.01	.46	-2.70	4.54	+1.67	1.59	-1.66	44.18	-.54
Sharples	2.88	-.56	4.41	+1.33	4.82	+1.08	2.97	-.92	5.00	+.93	5.72	+1.14	8.84	+3.75	5.02	+.27	*3.20	+.08	*.50	-2.30	....	......	....	......	......	......
Spencer	2.44	-1.57	3.23	+.08	3.82	-.25	3.70	+.31	6.45	+2.80	4.28	-.23	3.57	-.67	2.27	-1.70	4.30	+1.42	.61	-2.55	4.51	+1.84	1.59	-1.82	40.77	-2.34
Summersville	3.01	......	4.18	......	4.81	......	3.88	......	6.63	......	4.79	......	6.66	......	1.82	......	2.11	......	.89	......	4.71	......	1.86	......	45.35	......
Sutton	2.80	-1.74	4.15	+.71	5.15	+.81	3.55	-.30	6.25	+1.89	5.30	+.34	5.05	-.28	1.40	-2.85	5.15	+1.80	1.20	-1.79	4.75	+1.55	1.60	-2.22	46.35	-2.08
Thornwood	1.89	......	2.64	......	2.91	......	1.72	......	5.77	......	6.02	......	4.93	......	2.36	......	4.00	......	.73	......	4.25	......	2.31	......	39.53	......
Union	2.19	-.96	1.36	-1.49	3.72	+.17	1.61	-1.28	5.90	+2.70	6.49	+2.50	4.80	+1.01	3.40	-.53	3.64	+1.09	.49	-2.24	3.04	+.70	1.56	-1.36	38.20	+.31
Wayne	2.62	-1.14	3.06	+.14	7.10	+2.50	2.76	-.90	4.96	+1.38	5.93	+1.91	6.57	+1.98	7.03	+2.78	2.24	-.85	.63	-2.25	3.98	+.92	1.85	-1.18	48.73	+5.29
White Sulphur Springs	2.35	-.98	1.70	-.93	4.20	+.63	1.60	-1.68	5.65	+2.18	5.60	+1.62	9.50	+5.58	4.35	+.76	3.75	+.91	.60	-2.21	2.95	+.67	1.50	-1.60	43.75	+4.95
Williamson	2.82	-1.13	2.65	-.70	4.69	+.15	4.77	+1.09	5.33	+1.25	6.06	+1.29	8.01	+3.58	6.63	+2.64	2.43	-.56	.50	-2.29	4.60	+1.78	2.72	-1.06	51.21	+6.04
Winfield Locks	2.40	......	2.74	......	3.95	......	2.77	......	5.36	......	3.40	......	8.35	......	2.00	......	4.06	......	.40	......	4.20	......	1.62	......	41.25	......

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* Interpolated.

(WBO, Cleveland, 2-14-39—1200)

7.09
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., JANUARY 1939 No. 1

GENERAL SUMMARY

Temperature was well above the normal. Only one station reported a deficiency and that was very slight. The marked excess occurred during the first half of the month. Cold spells were brief as a rule, with the major one prevailing from the 23d to the 28th. Precipitation was slightly below normal. Days with precipitation were rather evenly distributed, but the greater amounts fell during the second half of the month. Snowfall averaged above normal, with monthly totals in excess of 20 inches generally reported from the Maryland Line southwestward into Greenbriar and Nicholas Counties. Snow-lying days ranged from one in the southwestern Counties to 22 at Spruce Knob. At the close of the month snow covers were confined to the northern half of the State and a few high-level stations in the Southeast. The depths were mostly small, but as much as 16 inches was reported from Spruce Knob. Thunderstorms occurred at many stations on the 30th, with one building near Ireland being damaged by lightning. High winds prevailed on the 22d and 25th, causing some minor damage in Hardy County on the 22d. Heavy rains at close of month had started rivers and streams to rise.

Very little farm work was accomplished, but cover crops continued to make fair progress.

TEMPERATURE

The average monthly temperature for the State, based on the records of 57 stations, was 36.4°, or 3.6° above the normal. The mean for the northeastern panhandle division was 33.8°; for the northern division, 36.2°; and for the southern division, 37.6°. The highest monthly mean was 41.4° at Bancroft and the lowest, 28.6° at Bayard. The highest temperature was 80° at Spencer on the 4th and the lowest, −7° at Rainelle on the 28th. The greatest daily range was 52° at Gary on the 29th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 3.59 inches, or 0.11 inch below the normal. In the northeastern panhandle division the average was 3.22 inches; in the northern division, 3.66 inches; and in the southern division, 3.65 inches. The greatest monthly precipitation was 11.36 inches at Pickens and the least, 1.68 inches at Romney. The greatest amount in any 24 consecutive hours was 2.76 inches at Pickens on the 30th. The average monthly snowfall was 11.0 inches, or 3.1 inches above the normal. The greatest monthly snowfall was 50.0 inches at Alpena. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting).

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	2	..	3	2	7	1	3	..	..	..	1	..	1	1	2	1	1	1	..	..	..	1	1	..	..	..	2	9	2
Gales	..	1	1	1	3	1	..	..	..	..	..	..	1	2	..	..	..	..	..	..	2	7	1	..	4	1	..	..	..	..	2
Glaze	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1
Halos, lunar	2	..	..	1	1	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	1	..	..	..	..	..	..	..	..	2	..	..	..	..	1	..	..	..	2	..	2	..	..	..	..	1	..	..	..
Sleet	..	..	..	1	..	..	..	..	..	..	..	..	10	1	..	..	..	..	..	1	..	..	2	..	1	..	..	..	2	6	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	15	1

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.04	30.43	25	29.30	30	9.2	30	w.	22	82	69	71	33
Columbus, Ohio	30.03	30.39	6	29.30	30	10.9	39	sw.	5	80	69	70	45
Elkins	30.06	30.49	7	29.30	30	8.1	33	nw.	25	79	64	70	42
Parkersburg	30.04	30.40	6	29.28	30	7.6	30	w.	22	82	68	69	36
Pittsburgh, Pa	30.10	30.42	6	29.33	30	12.6	45	w.	22	82	69	73	30
Wytheville, Va	30.08	30.50	7	29.34	30	8.8	29	sw.	26	83	62	68	47

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.24	4.23	3.24	3.64	.....		.....	.....	.....
1892	29.4	76	−3	2.95	3.57	2.66	3.15	.....	11	.....	.....	.....
1893	22.6	71	−25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	14	8
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	**−34**	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	**83**	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	**20.7**	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4 12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2 75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	**1.37**	3.6	8	10	7	14
1932	**43.4**	82	7	3.18	5.18	4.79	4.82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	**8.50**	.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	16
Period	32.8	83	−34	3.18	3.98	3.67	3.70	7.9	12	9	7	15

Climatological Data for January 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	28.6	−0.2	65	4	1	15	41	3.99	−0.51	0.59	27.0	14	9	6	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	35.7	+4.8	65	10	0	15	37	3.25	+.91	1.60	10.0	7	16	0	15	s.	E. L. Keister
Harpers Ferry	Jefferson	400	50	....	....	....	....	....	....	....	3.26	+.55	1.78	6.3	11	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	7	33.4	....	65	§10	7	27	30	3.86	....	2.00	21.5	10	13	7	11	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	32.2	....	60	§10	6	15	25	2.96	....	1.08	....	9	7	11	13	se.	University Exper. Station
Martinsburg	Berkeley	435	47	34.4	+3.4	68	10	10	20	40	3.78	+1.27	1.60	13.2	11	16	10	5	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	34.6	+3.6	70	10	2	15	48	1.95	−.43	.52	11.0	11	4	15	12	w.	R. E. Saville
Piedmont	Mineral	1,053	26	33.7	+2.8	65	10	4	28	33	3.22	+.64	1.32	24.0	12	10	7	14	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	35.4	+3.9	68	10	9	§15	39	1.68	−.71	.55	12.0	10	10	11	10	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	....	....	....	....	....	....	....	4.20	....	1.80	37.0	18	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	19	....	....	....	....	....	....	....	3.45	+.64	.50	28.0	11	6	8	17	w.	A. C. Becker
Wardensville	Hardy	1,200	18	36.4	+5.6	69	10	5	15	45	2.15	+.02	1.40	6.1	8	5	13	13	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	....	....	....	....	....	....	....	3.49	+.09	.71	5.0	17	8	5	18	w.	L. Esle Bond
Alma (near)	Tyler	800	12	....	....	....	....	....	....	....	2.83	+.17	.91	7.3	15	8	5	18	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	32.4	....	63	§4	3	15	44	7.34	....	.98	50.0	16	9	7	15	w.	Christian Hertig
Benson	Harrison	1,080	15	36.1	+2.0	69	5	−3	28	48	3.67	+.06	.75	11.5	16	7	12	12	....	R. D. Marts
Bens Run	Pleasants	652	37	38.4	+5.5	65	5	14	26	30	3.07	−.91	1.07	4.5	13	13	8	10	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	38.7	+4.1	70	4	4	28	45	3.20	−.39	.71	10.2	16	12	11	8	....	M. D. Hawkins
Buckhannon	Upshur	1,411	42	38.2	+5.7	66	4	9	28	34	3.35	−1.05	.80	8.0	15	10	7	14	....	H. A. Darnall
Cairo	Ritchie	680	38	37.9	+3.5	69	4	8	27	41	3.89	−.06	.88	3.8	17	5	14	12	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	34.7	+2.1	69	5	6	§28	46	3.16	−.15	1.14	8.5	17	10	5	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	....	....	....	....	....	....	....	3.47	−.61	.82	10.3	17	6	9	16	nw.	George W. Blair
Creston	Wirt	640	37	36.1	+2.0	62	§3	5	28	40	3.71	−.22	1.15	6.4	15	4	7	20	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	....	....	....	....	....	....	....	3.07	−.12	.74	7.0	16	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	23	....	....	....	....	....	....	....	3.03	−.10	1.00	8.0	16	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	18	....	....	....	....	....	....	....	3.71	+.49	1.13	11.0	15	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	23	....	....	....	....	....	....	....	2.68	−.73	.92	2.0	14	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	23	....	....	....	....	....	....	....	2.50	−1.12	1.00	6.0	12	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	....	....	....	....	....	....	....	2.61	−1.16	.70	4.0	11	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	38	35.6	+5.2	64	9	5	28	39	4.89	+1.11	1.14	18.0	18	3	7	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	35.4	+3.2	71	4	9	26	37	3.27	−.66	1.12	12.8	17	8	5	18	w.	J. C. Robinson
Glenville	Gilmer	738	45	37.4	+3.6	69	5	5	28	36	3.66	−.77	.86	5.2	18	7	7	17	w.	Howard R. Brannon
Grafton	Taylor	1,050	45	38.7	+6.1	72	4	7	§26	42	3.61	+.04	.77	7.8	17	12	4	15	..	L. W. Clayton
Hastings	Wetzel	809	4	....	....	....	....	....	....	....	2.90	....	.82	7.7	17	6	11	14	w.	L. G. McIntyre
Horner	Lewis	1,044	16	....	....	....	....	....	....	....	2.77	−1.26	.82	....	8	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	16	....	....	....	....	....	....	....	3.00	−.26	.68	8.3	15	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,025	41	37.6	+4.7	67	4	3	28	43	3.56	−.36	.68	9.0	15	7	3	21	w.	Allen Smith
Mannington	Marion	974	36	35.2	+3.3	67	5	−4	28	44	3.85	−.27	1.25	11.7	20	6	6	19	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	35.0	+2.7	69	4	3	26	36	4.02	+.56	1.07	12.0	15	9	2	20	....	Bruce Davis
New Cumberland	Hancock	671	41	34.8	+6.2	63	4	5	26	31	2.62	−.22	1.09	10.5	11	4	4	23	se.	C. O. Valentine
New Martinsville	Wetzel	634	45	34.0	+.9	67	4	5	28	35	3.28	−.70	.90	8.7	13	5	8	18	s.	Wm. Ankrom
Parkersburg	Wood	615	52	38.3	+5.8	64	4	13	23	36	2.71	−.87	.95	5.6	16	4	5	22	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	35.1	+.6	75	4	6	28	39	4.38	.23	1.88	17.0	11	5	6	20	....	J. W. Swisher
Philippi	Barbour	1,300	42	....	....	....	....	....	....	....	3.55	−.59	.77	7.8	16	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	36	33.4	+2.5	62	9	3	§23	35	11.36	+5.04	2.76	48.3	16	10	4	17	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	....	....	....	....	....	....	....	3.64	−.56	.72	6.1	17	11	2	18	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	....	....	....	....	....	....	....	5.35	+.44	1.58	20.8	20	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	577	31	....	....	....	....	....	....	....	2.81	−.93	.82	3.5	16	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	38	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	John Dee Williston
Thomas	Tucker	3,000	10	....	....	....	....	....	....	....	3.97	....	.80	27.0	16	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	16	38.3	+3.2	69	5	7	28	40	3.21	−.33	.77	5.0	16	9	6	16	w.	S. A. Spence
Vandalia	Lewis	1,120	16	....	....	....	....	....	....	....	2.58	−.49	.78	13.0	8	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	32	33.8	+3.6	66	4	2	28	40	2.34	−.71	.92	8.0	6	5	6	20	w.	George P. Pfister
West Milford	Harrison	979	14	....	....	....	....	....	....	....	2.75	−.32	.77	....	11	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	44	39.5	+5.4	70	§4	7	28	42	3.45	−.66	1.10	9.2	18	1	13	17	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	33.4	+3.0	65	4	9	26	33	2.54	.50	.95	13.0	13	3	5	23	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	....	....	....	....	....	....	....	5.15	+2.34	1.10	27.0	15	7	9	15	w.	H. S. Sutton
Bancroft	Putnam	574	35	41.4	+7.1	70	5	14	23	36	3.75	−.32	1.29	3.0	16	5	5	21	....	Fred D. Smith
Beckley	Raleigh	2,440	36	34.7	+1.5	66	§4	0	28	41	3.58	−.09	.55	11.8	16	5	13	13	....	L. A. Mauck
Bluefield	Mercer	2,558	44	38.8	+3.9	67	4	9	28	34	3.03	+.02	.81	8.0	11	6	8	17	....	Norfolk & Western Ry.
Charleston	Kanawha	602	36	39.2	+1.3	70	4	12	§23	39	3.69	−.34	1.72	2.0	18	12	1	18	....	Charleston Daily Mail
Clay	Clay	790	23	....	....	....	....	....	....	....	4.36	+.68	1.52	4.6	16	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	1	33.0	....	60	§4	8	23	26	3.31	....	.97	18.4	16	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	23	37.0	+1.9	74	4	8	28	52	2.51	−.94	.58	2.7	14	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	37.0	....	67	5	14	28	37	3.23	....	.83	3.1	12	8	10	13	sw.	State Forest Nursery
Hinton	Summers	1,431	42	36.9	+2.4	70	10	9	28	41	2.79	−.47	.71	2.5	20	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	23	....	....	....	....	....	....	....	3.37	−.47	1.23	3.5	12	....	....	....	....	Lockmaster
Huntington	Cabell	571	42	41.2	+7.2	70	5	14	23	39	3.50	−.29	1.63	3.7	11	2	14	15	sw.	H. N. Robinson
Institute	Kanawha	616	1	40.4	....	73	4	11	23	44	3.37	....	1.86	1.1	16	....	....	....	....	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	....	....	....	....	....	....	....	2.33	−.88	.35	1.0	14	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	....	....	....	....	....	....	....	4.14	−.08	1.18	8.0	15	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	36.0	+3.6	64	10	7	28	37	3.26	−.09	.89	9.8	17	6	7	18	....	J. K. Monroe
Logan	Logan	700	36	39.6	....	71	4	15	28	42	3.86	−.56	1.16	1.0	18	6	6	19	....	Paul A. Simonds
London Locks	Kanawha	623	3	41.2	....	70	2	14	28	44	4.09	....	1.62	1.5	17	7	0	24	se.	Lockmaster
Madison	Boone	675	18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	33.6	+5.6	64	10	0	28	39	4.21	+.01	....	20.5	13	7	6	18	....	U. S. Forest Service
Point Pleasant	Mason	595	46	39.1	+5.0	69	5	11	23	35	3.23	−.72	1.03	5.2	17	6	5	20	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	33.0	....	63	10	−7	28	40	4.36	....	.94	24.0	16	8	5	18	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	37.3	+1.9	68	6	10	23	38	2.48	−1.12	1.03	2.0	16	4	7	20	sw.	Lockmaster
Richwood	Nicholas	2,193	9	34.1	....	64	§9	3	27	46	4.83	....	1.20	23.4	22	7	6	18	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	39	38.0	+4.7	70	§4	10	23	39	2.83	−1.10	.82	4.5	14	....	....	....	....	M. Frazier
Ryan	Roane	700	36	37.0	+4.0	72	4	8	28	42	3.69	−.36	1.36	7.2	16	7	6	18	....	Wm. E. Ryan
Spencer	Roane	789	35	38.9	+5.2	80	4	10	23	42	3.59	−.42	.94	9.0	13	4	8	19	....	A. M. McKown
Sutton	Braxton	850	33	38.8	+4.5	71	§4	7	28	44	5.25	+.71	1.40	14.0	14	....	....	....	....	C. B. Eakle
Union	Monroe	2,250	35	37.1	+3.8	65	§4	6	28	42	2.25	−.90	.90	....	10	8	7	16	....	C. B. King
Wayne	Wayne	598	12	....	....	....	....	....	....	....	4.34	+.58	1.34		16	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	....	....	....	....	4	28	....	....	....	....	4.1	..	11	6	14	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	39.7	+3.7	70	5	18	§23	40	3.39	−.56	.84	1.2	20	7	8	16	se.	J. E. Dotson
State averages and	extremes	....	....	**36.4**	**+3.6**	**80**	**4**	**−7**	**23**	**52**	**3.59**	**−.11**	**2.76**	**11.0**	**14**	**8**	**7**	**16**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for January 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac										.10			.55	.30			.09		.20	.34	.24	.46		.04	.30		.02	.25		.51	.59	3.99
Brandywine	do										.10			.65					.30	.10	T.		.15				T.				1.60	.35	3.25
Brushy Run[2]	do						.12					.02		T	.79				.14	.12			.25	.06		.07	T.	.17			1.79	.19	3.72
Harpers Ferry[2]	do					.01	.34				.03			.08	.50				.15	.10		.04		T.		T.		.04			1.78	.19	3.26
Inwood	do						.10				T.			.40	.06	.40	.30	.20	T.	.20							.10	.10			2.00		3.86
Kearneysville	do					.04	.12							.59	.19	T.			.24				.02				T.	.03		.65	1.08		2.96
Knobly Mountain[2]†	do						.11							.20	.80		.10	T.	.16	.20		.20	.30	T.	T.	.20	T.	.30			1.00	T.	3.57
Martinsburg[2]	do					.05	.15							.10	.80			T.	.35	.27		.01	.15				T.	.10		1.60	.20		3.78
McNeill	do					.08					T.			.35	.05		.05		.15	.04	T.		T.				.04	.03		.48	.52	.16	1.95
Petersburg	do																																....
Piedmont	do					T.	.02				T.			1.32			.10		.15		T.	.12	.10		.01	.18	.30	.10		.20	.62	T.	3.22
Romney	do					.07								.43			.05		.10			.07				.04	.05	.02		.30	.55		1.68
Spruce Knob[2]†	do						.09				.16	.21	T.	.17	.09	T.	T.	.04	.13	.29	.04	.14	.07	.08	T.	.15	.09	.19	.04		1.80	.42	4.20
Stony River Dam[2]†	do										.21			.50	.50		.30		.20	.20		.30				.40	.20				.44	.20	3.45
Wardensville[2]	do							T.			T.			.18	.37		T.	.02	.07	.02	T.	T.	.05	T.	T.	T.	T.	.04	T.		1.40		2.15
Northern Division																																	
Aberdeen†	West Fork					.03	T.				.08			.68	.05		.02	T.	.19	.10	.05	.09	.29		.13	.10	.04	.06		.59	.71	.28	3.49
Alma (near)	Ohio					.05					.01			.69			.01		.15	.04	.04	.04	.02			.15	.04	.03		.53	.91	.12	2.83
Alpena	Cheat										.98			.50	.30		.10		.38	.60	.60	.30	.44		.22	.60	.40	.60		.30	.72	.30	7.34
Belington[2]	Tygart						.04				.12	.05		.10	.43	.01	T.	.05	.12	.39	.06	.14	.45	.03	.06	.29	.04	.14	.03	T.	.78	1.12	4.45
Benson†	West Fork					.05					.05			.75	.20				.20	.15	.13	.20	.10		.15	.10	.05	.14		.65	.65	.10	3.67
Bens Run	Ohio					.53	.02				.20			.10					.15	.05	.09		.02				.02	.08		.46	1.07	.28	3.07
Brownsville†	West Fork					.02	.15				.09			.71	.06				.18	.12	.05	.10	.10		.10	.08		.08		.69	.45	.22	3.20
Buckhannon	Tygart				.05	.07	.03				.21			.66	T.		T.		.25	.02	T.		.35		.25	.10	.05	.03		.80	.43	.05	3.35
Cairo	Litl. Kanawha				.08	.06				.12			.88	.04	.75			.24	.04	.05	.04	.08		.08	.02		.02		.65	.58	.15		3.89
Clarksburg[2]	West Fork					.09	.06				.10			.26	.50		.04		.08	.08	T.	.10	.25		.07	.09	.02	.04	.02	T.	1.14	.22	3.16
Crawford	do					T.	.07				.14			.52	.19		.03		.19	.27	.08	.16	.04		.11	.07	.03	.19		.82	.37	.19	3.47
Creston[2]	Litl. Kanawha					.20	.10				T.			.35	.70			.18	.25	.05	.05	.09	T.	.10	.01			.04		.27	1.15	.17	3.71
Dailey[2]†	Tygart						.07				.07	.01		.07	.48	T.	.02	T.	.18	.25	.10	.25	.45	T.	.04	.20	T.	.15	T.	T.	1.21	.63	4.18
Dam 10, Mon. R.[2]†	Monongahela						.19				.10			.08	.52	T.	T.	.05	.03	.11	.01	.07	.14		.05	.11	.04	.10	T.		.74	.73	3.07
Dam 13, O. R.[2]†	Ohio					.21	.12				.04			.03	.60	.02			.19	.10	.01	.03			.02	.01	.04	.19		T.	1.00	.42	3.03
Dam 15, Mon. R.[2]†	Monongahela						.10				.18			.09	.70	T.	T.	T.	.03	.10	.04	.10	.17	T.	.05	.14	T.	.19	.02		1.13	.67	3.71
Dam 19, O. R.[2]†	Ohio					.46	T.				.06			.14	.42		T.		.10	.07	.04	.04	.02	T.	.02	T.	T.	.02		.12	.92	.25	2.68
Dam 20, O. R.[2]†	do					.20	.03				.06			.18	.46				.12	.12	.04	.04		T.		T.	T.	T.		.12	1.00	.13	2.50
Elizabeth (Dam 3)[2]	Litl. Kanawha					.07				.09				.52		T.	T.	.19	.12		.08	.10		.06			.10		.70	.50	.08		2.61
Elk†	West Fork										.20			.55					.33	.05			.80		.19			.16			1.46	.08	3.82
Elkins[1]‡	Tygart				T.	.05	T.				.14			.75	.05		.12	.06	.46	.18	.13	.03	.54	T	.18	.16	.17	.05		.63	1.10	.09	4.89
Fairmont[2]	Monongahela				.05	.08				.12			.30	.54	T.	T.	T.	.05	.12	T.	.06	.12	T.	.07	.06	.03	.08	.05		1.12	.39	.03	3.27
Glenville[2]	Litl. Kanawha					.16	.09				.19	.04		.27	.34		.04	T.	.20	.10	.06	.23			.22	.19		.18	.07	.86	.48	.04	3.66
Grafton	Tygart						.09				.11			.68	.07		.05	T.	.10	.01	.10	.26	.23		.10	.17	.07	.11		.37	.77	.32	3.61
Hackers Creek†	West Fork					.33					.41			.39			.49		.38	T.	T.	.14				.07	.20	.25			1.63		4.29
Hall[2]	Tygart						.13				.12	T.		.08	.75	T	T.	T.	.08	.28	.03	.08	.35	T.	.12	.19	.01	.06	.02	T.	.86	.33	3.49
Hastings	Ohio						.02	.09				.13		T.	.29	.11		T.	.14	.05	.05	.05	.06	T.	.08	.02	T.	.18	.01	.52	.82	.28	2.90
Horner	West Fork					.25									.50		.05		.15			.20	.30				T.	T.		.82	.50	T.	2.77
Ireland	do			.06	.12						.09			.60		.06	.04		.06	.32	.01			.02	.04		.09	.06		1.78	.22		3.57
Jackson's Mill†	do					.17					.09			.65						.27					.45	.04	.03	.02		1.20	.63	.01	3.56
Jane Lew	do					.22	.08				.09			.60	.07	.04			.17	.07	.07	.11			.11		.02	T.		.60	.68	.07	3.00
Lost Creek	do					.13					.08			.57	T.		.08		.19	.12	.04		.34	T.	.15	.08	.03	.15		.58	.68	.34	3.56
Mannington	Monongahela					.04	.10				.10			.76	.12		.02		.13	.05	.05	.06	.12	.01	.15	.09	.09	.15	.01	.33	1.25	.22	3.85
Midvale[2]†	Tygart						.02				.15	.02		.15	.48	.03	.02	.02	.11	.47	.09	.18	.45	T.	.03	.34	.05	.24	.04		1.02	.81	4.72
Morgantown	Monongahela					.05	.09	.50	.15	T.				.65	T.	T.			.07	.10	.08	.21	.06		.22	*	*	.25		.24	1.07	.28	4.02
Mt. Clare	West Fork					.14					.05			.80	.02	.01			.18	.04	.07		.23	T.	.11	.05	.04	.05		.51	.73	.08	3.11
New Cumberland	Ohio					.14					.04	T.		.53			.01		.12	.01	T.	T.			.01		22			.26	1.09	.19	2.62
New Martinsville	do					.32					.08			.75	T.				.16		.05				.12	.10	.08	.15	.10	.42	.90	.05	3.28
Parkersburg[1]‡	do				.15	.03				.02	.05			.85	T.	T.	T.	.01	.12	.02	.03		T.	.01	.05	.02	.13	T.	T.	.46	.74	.02	2.71
Parsons	Cheat										.15						.50		.40	.10	.10	1.88	.10		.55		.20			.20		.20	4.38
Parsons No. 2	do						T.				.11			.62			.16		.45	.18	.07	.16	.10	.10	T.			1.00		.44	.64	.40	4.43
Philippi[2]	Tygart						.11				08			.28	.51	T.	.03	T.	.03	.28	.05	.15	.25	T	.06	.15	.04	.16	T.	T.	.77	.60	3.55
Pickens	do					.02	T.				.30			.30			.20		.80	.90	.20	.03	1.45		.30	.40	.50	1.00		1.90	2.76	.30	11.56
Roanoke	West Fork				.03	.14					.07			.72			.04		.20	.13		.11	.16		.11	.02	.04	.03	.02	.72	.37	.13	3.04
Rockford†	do						.22								.40		.16		.18	.05		.50			.14	.02	.03	.02	.04	.57	.68		3.01
Rowlesburg[2]	Cheat						.03				.08	.03		.06	.77	.08	.02		.15	.36	.06	.21	.52	.02	.22	.06	.04	.22	.08		.76	1.58	5.35
Saint Marys[2]	Ohio					10	.12				.07			.24	.48				.08	.14		.06			.14	.07	.02	.04	.02	.12	.82	.29	2.81
Salem	West Fork					.17					.13			.66	T.		.07		.15	.06	.05	.05	.21		.15	.10	.08	.05		.50	.82	.15	3.40
Shinnston	do					.60					.08					.15			T.	T.	.80		T.		.10	.05	.05	T.			1.05	.02	2.90
Terra Alta[2]†	Cheat																																....
Thomas[2]	do						T.				.10	T.		.10	.15	.05	T.	T.	.08	.30	.20	.11	.70	.07	.06	.30	.05	.15	T		.75	.80	3.97
Valley Chapel	West Fork					.11	.03				.06			.77			05		.17	.13	.05	.08		.18	.11	T.	.01	.08		.62	.63	.13	3.21
Valley Head[2]	Tygart						.08				.15	.17	T.	.17	.32		T.	.11	.16	.73	.15	.23	.45	.09		.30	.09	.18	.02		1.54	.42	5.36
Vandalia†	West Fork										.11			.56					.27		.15	.11			.30					.78	.30		2.58
Wellsburg (near)	Ohio					.21								.38	T.				.23				T.				.12	T.		.48	.92	T	2.34
West Milford	West Fork						.15				.05		.15						.20			.20	.20		.15			.10		.58	.77	.20	2.75
Weston[2]	do						.23				.10	.02		.20	.26	.02	T.	T.	.08	.21	.05	.19	.24	.07	.07	.05	.05	.15		T.	1.10	.36	3.45
Wheeling (Dam 12)[2]	Ohio					.14	.15			.02	.02	T.		T.	.49	T.			.19	.06		.05	T.	T.	.01	T.	.03	.08	T.	T.	.95	.35	2.54
Southern Division																																	
Arbovale[2]	Greenbrier					.21					.30			.40			.10	.40		.40	.30	.30	.24		.05	.35	T.	.10		.85	1.10	.05	5.15
Bancroft†	Gr. Kanawha				.23	.06				.05			.33	.21		.03		.16	.10	.08	.05	.12			.09	T.		.05	.70	1.29	.20	T.	3.75
Beckley	New				.04	.34					.10		.03	.55			.11		.40	.15	.15		.32		.15	.08	T.	.18		.50	.40	.08	3.58
Belva[2]	Gauley																																....
Bluefield	New					.72								.10			.17		.44	.18			.26		.12	.12	.01	.10			.81	T.	3.03
Camden-on-Gauley[2]	Gauley					.10					.18	.02		.27	.26		.06	.04	.38	.40	.08	.16	.35			.17	.03	.06	.01	.24	1.35	.38	4.54
Charleston[2]	Gr. Kanawha				T.	.29	.03				.07	.02		.51	.10		.01		.01	.14	.25	.08	.05	T.		.10	.13	.03	.03	T.	1.72	.12	3.69
Clay[2]	Elk					.26	.10				.10	T.		.32	.46		T.		.28	.27	.19	.11	.20		.06	.12	T.	.01		.17	1.52	.19	4.36
Flat Top[2]	New					.16	.02					T.	T.	.54	.17		.05	.04	.24	.25	.05	.03		.35		.18	.09	.09	T.	T.	.97	.08	3.31
Gary[2]	Big Sandy					.37	.01					.01		.43	.15		.06		.38	.11		.07	.16		.12					.06	.58		2.51
Greenbottom[2]†	Ohio					.17					.04			.49	.33		.01		.27	.08	T.		.01		.07	T.	T.	T.		.83	.80	.13	3.23
Hinton[2]	New					12	.10				T.	.02	.01	.56	.23		.03	.01	.27	.11	.04	.04	.20	.04	.13	.04	T.	.08	T.	.02	.71	.03	2.79
Hogsett[2]	Ohio					.20								.25	.74		.06	T.	.21	.05		.03	.08		.02	T.		.04		.30	1.23	.16	3.37
Huntington	do				.07	.05					T.			.75			T.		.27	.06	T.		.07		.03	.05	T	T.		1.63	.50	.02	3.50
Institute[2]	Gr. Kanawha					.27	.06				.01	T.		.04	.16		.01	T.	.15	.10	.04	.03	.13		T.	.05	T	.01	T.	.30	1.86	.15	3.37
Kanawha Falls[2]†	do					.20	T.				.05			.25	T.		.06		.35	.22	.05		.35		.05	.10	T.	.10		.10	.10	.35	2.33
Kayford[2]	do					.52	.02				.07			.52			.02	.10	.28	.33	.06	T.	.39		T.	.13	T.	.12		.15	1.18	.25	4.14
Lewisburg	Greenbrier				.02	.29					T.			.89	.04		.09		.35	.04	.15	.02	.11	T.	.13	.05	.01	.05		.37	.58	.07	3.26
Logan[2]	Guyandot				T.	.45	.16				.08	.02		.72	.12		.05	.03	.37	.11	T	.03	.38	T.	.01	.04	T.	.03	T.	.25	.91	.10	3.86
London Locks[2]†	Gr. Kanawha					.24	.12				.05	.04		.55	.17		.02	.05	.21	.25	.05	.01	.25			.05	T.	T.		.04	1.62	.37	4.09
Madison[2]	Coal																																....
Marlinton	Greenbrier				T.	.17					.22			.35			.08		.55	.11	.12	.22			.08	.28	.08	.20		*	*	1.75	4.21
Point Pleasant[2]	Ohio					.20	.02				.06			.40	.16		T.		.21	.14	.04	.07	.04		.04	.28	.01	.05		.36	1.03	.12	3.23
Rainelle	Greenbrier				T.	.16					.10		T.	.94	.16		.10		.51	.16	.06	.04	.35		.06	.15	T.	.20		.50	.66	.21	4.36
Ravenswood[2]	Ohio					.06	.02				.05			.16	.41		T.		.20	.09	.04	.05	.05		.02	.03		.02		.15	1.03	.10	2.48

Continued on next page.

Daily Precipitation for January 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	....	....	....	.12	....	....	....	....	.21	.01	....	.35	.15	....	.16	.04	.20	.50	.10	.16	.43	.05	.14	.15	.08	.20	.03	.03	1.20	.50	.02	4.83
Robertsburg [2]	Gr. Kanawha	....	....	....	....	.14	....	....	....	....	T.	....	....	.42	.22	....	.01	....	.18	.07	.01	.03	.07	....	.04	.01	....	T.	....	.71	.82	.10	2.83
Ryan	do	....	....	....	....	.38	....	....	....	....	.03	....	....	.57	....	....	.02	....	.20	.22	.02	.06	.10	....	.06	.03	.02	.03	....	1.36	.52	.07	3.69
Sharples[2]	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer [2]	Litl.Kanawha	....	....	....	....	.20	.08	....	....	....	.08	....	....	....	.60	..	.03	T.	.15	.13	....	.26	.12	....	.09	....	....	....	....	.71	.94	.20	3.59
Sutton	Elk	....	....	....	....	.20	....	....	....	....	.10	....	....	.70	T.	....	.10	....	.20	.40	.20	.75	....	....	.15	.30	.20	T.	....	1.40	25	.30	5.25
Thornwood[2]	Greenbrier	....	....	....	.05	...	....	....	....	.33	....	....	.48	.28	....	.07	.32	.27	.05	....	.	....	.34	.11	.12	.03	.13	....	....	*	*	1.81	4.39
Union	New	....	....	....	....	.30	....	....	....	....	....	....	....	....	.20	....	.07	....	.35	....	.05	.10	....	.15	.10	....	....	....	.03	....	.90	....	2.25
Wayne [2]	Twelvepole	.01	....	....	.17	.40	....	....	....	....	...	.03	....	.67	.20	....	.05	....	.05	.06	....	.01	.12	.03	....	....	....	.03	....	.91	1.34	.26	4.34
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	..	....	....	....	....	....	....	....	....	....	.75	.45	....	....
Williamson [2]	Big Sandy	....	....	....	.04	.52	.01	....	....	....	.11	.02	....	.67	.17	....	.08	.05	.32	.09	.01	.01	.26	....	.02	.05	....	.02	....	.18	.65	.11	3.39
Winfield Locks[2]†	Gr Kanawha	....	....	....	....	.28	.08	....	....	....	.04	....	....	.36	.25	....	.02	.03	.19	.09	.04	.03	.11	....	.06	.03	....	.02	....	.28	1.63	.15	3.69

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Bancroft, Winfield; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Clarksburg; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for January 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	46	48	56	65	54	46	49	54	53	40	35	38	30	21	42	35	40	31	22	34	35	40	35	35	30	25	22	35	45	46	30	39.3
	Minimum	21	22	38	38	29	35	17	21	24	32	21	25	19	16	1	2	15	15	15	15	17	27	5	5	13	5	5	5	5	27	16	17.8
Beckley	Maximum	54	56	58	66	62	57	57	55	66	64	58	42	36	35	46	37	42	38	32	38	48	48	33	37	32	37	28	37	41	56	44	46.5
	Minimum	25	30	31	39	46	31	18	27	25	40	29	27	26	19	8	26	15	26	18	16	27	20	6	25	15	6	11	0	26	35	18	22.9
Bluefield	Maximum	54	56	60	67	65	59	59	58	65	61	58	45	44	43	45	37	45	40	32	40	53	53	37	42	37	38	30	34	45	57	43	48.5
	Minimum	31	38	41	47	56	36	25	31	31	47	35	34	30	24	16	29	19	32	22	21	33	30	12	20	21	17	16	9	33	40	24	29.0
Brandywine	Maximum	54	55	61	60	58	56	54	51	58	65	60	52	38	35	37	42	40	42	40	42	55	42	34	48	46	42	34	32	37	36	34	46.5
	Minimum	26	28	29	36	38	21	30	34	23	28	36	35	20	18	0	22	24	27	26	11	30	24	7	27	26	12	16	11	32	34	32	24.9
Buckhannon	Maximum	51	53	59	66	64	63	55	55	61	62	58	48	36	40	43	44	41	42	33	37	47	63	32	40	35	35	29	41	45	46	56	47.7
	Minimum	29	39	34	43	53	49	24	29	27	39	35	32	28	25	19	32	30	32	24	23	32	20	12	28	19	14	15	9	32	39	23	28.7
Cairo	Maximum	57	64	68	69	66	60	61	65	67	62	47	46	39	44	47	44	43	35	35	46	56	31	38	37	36	35	35	45	59	60	40	49.4
	Minimum	36	28	34	47	29	21	24	24	35	32	27	30	25	20	31	27	32	26	22	33	22	10	29	21	11	19	8	30	40	25	20	26.4
Charleston [3]	Maximum	45	57	63	70	56	57	63	57	65	68	55	44	41	36	50	45	46	41	41	47	60	41	35	44	42	43	42	55	59	62	61	51.3
	Minimum	26	28	31	33	44	35	29	29	29	31	36	33	30	27	25	26	28	30	26	25	27	27	12	14	24	19	12	16	32	27	27	27.0
Clarksburg [3]	Maximum	51	54	61	68	69	50	58	53	62	63	44	40	39	27	44	36	42	37	28	38	56	40	37	40	27	34	25	42	52	53	29	45.1
	Minimum	27	26	31	39	39	41	21	22	23	23	33	30	25	26	17	19	27	26	26	23	25	35	13	13	24	8	16	6	6	35	24	24.3
Elkins	Maximum	51	53	60	64	61	49	56	51	64	62	45	37	35	33	40	35	41	38	29	36	53	52	35	40	28	34	21	41	41	55	32	44.3
	Minimum	35	43	45	48	48	28	20	29	25	45	33	30	30	21	13	28	24	28	21	21	33	15	12	27	15	13	13	5	35	32	21	27.0
Fairmont [3]	Maximum	49	55	62	71	68	48	61	55	65	64	45	40	37	27	46	36	42	36	21	35	54	34	37	37	23	31	26	43	48	49	27	44.4
	Minimum	27	32	38	42	42	40	26	29	28	33	34	30	29	26	19	20	29	30	22	22	26	34	14	14	23	9	15	13	14	35	24	26.4
Flat Top	Maximum	49	49	55	60	56	48	50	51	57	60	43	42	29	26	37	30	40	36	24	35	45	44	28	38	30	31	20	30	45	52	26	40.8
	Minimum	28	34	39	40	45	35	30	34	37	40	23	25	26	18	16	26	19	26	18	18	28	18	8	24	14	13	12	10	29	26	20	25.1
Gary [3]	Maximum	58	60	64	74	67	58	63	56	69	68	51	46	47	36	53	38	50	42	30	47	56	36	39	44	28	42	30	46	61	61	32	50.0
	Minimum	18	22	23	26	40	31	22	23	26	26	34	32	32	29	19	24	24	24	27	22	27	31	13	14	25	15	17	8	9	36	29	24.1
Glenville	Maximum	54	54	58	68	69	63	56	59	58	60	59	45	41	38	47	46	43	43	44	38	49	48	32	36	35	33	32	41	48	47	46	48.1
	Minimum	19	36	26	34	54	36	20	23	23	35	34	51	29	25	19	30	26	33	25	22	33	22	11	28	20	12	17	5	32	39	25	26.6
Grafton	Maximum	51	56	62	72	69	65	59	60	68	68	58	47	39	38	48	49	44	44	39	35	46	55	35	40	38	34	34	43	45	49	47	49.6
	Minimum	29	44	28	42	50	42	24	27	26	38	35	31	29	24	18	31	27	33	23	24	33	22	14	28	18	7	15	7	32	38	24	27.8
Huntington	Maximum	56	60	65	63	70	62	62	63	69	68	55	45	40	40	5	42	49	42	36	49	55	58	32	39	32	38	33	45	50	61	39	50.7
	Minimum	29	41	40	44	51	37	26	30	30	51	32	34	33	29	25	36	30	35	29	25	34	27	14	32	26	20	22	18	35	39	29	31.7
Lewisburg	Maximum	55	58	59	58	56	55	58	58	63	64	54	43	38	32	41	34	44	38	33	37	48	46	31	36	35	39	28	35	36	57	44	45.6
	Minimum	29	33	34	41	46	35	21	36	6	36	32	32	29	24	10	27	20	32	24	23	31	23	11	25	19	11	16	7	26	36	24	26.4
Logan [3]	Maximum	56	62	67	71	67	59	61	61	61	70	51	44	47	34	50	40	46	43	33	45	59	43	44	42	29	42	33	47	58	60	36	50.5
	Minimum	22	29	29	31	41	35	27	28	30	31	37	35	34	31	25	29	30	30	29	29	31	34	17	18	28	20	24	15	16	39	31	28.6
Madison[3]	Maximum	..	....	....	....	....	....	..		....	.	....	....	.	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.
	Minimum	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	.....
Mannington	Maximum	47	52	60	65	67	64	56	54	59	65	56	42	38	36	39	36	39	38	34	34	44	54	31	37	36	30	28	40	40	49	43	45.6
	Minimum	24	34	29	36	44	39	21	25	23	33	33	26	29	24	12	29	27	31	22	20	31	22	9	27	18	3	14	−4	30	34	24	24.8
Marlinton	Maximum	46	52	55	49	53	54	52	56	58	64	57	42	38	33	43	37	41	41	34	32	49	44	34	38	38	37	28	39	36	52	39	44.2
	Minimum	23	29	32	40	44	33	17	27	21	29	29	32	27	20	4	22	19	30	21	20	30	18	7	25	20	11	15	0	24	30	16	23.1
Martinsburg [3]	Maximum	52	58	52	50	51	53	58	58	62	68	57	45	30	36	35	40	42	31	30	32	48	47	38	43	35	29	31	43	43	40	35	44.3
	Minimum	30	38	32	34	35	35	28	28	2	28	40	35	28	23	13	16	23	28	19	10	12	25	16	16	18	13	11	16	18	32	30	24.5
Morgantown	Maximum	46	50	62	69	65	55	60	60	56	65	50	39	35	3	45	40	48	38	29	36	40	40	30	35	32	25	25	40	41	40	42	44.1
	Minimum	31	33	40	44	37	35	24	28	28	40	33	29	25	2	25	29	28	28	20	18	34	20	10	25	12	3	11	14	28	30	18	25.8
New Martinsville	Maximum	48	52	60	67	64	48	52	54	60	58	44	40	34	32	40	40	36	36	35	34	40	40	30	35	35	30	25	38	40	52	45	43.4
	Minimum	25	32	33	40	38	40	25	27	25	38	28	25	25	20	15	20	25	30	25	21	25	20	15	20	14	10	13	5	30	35	22	24.7
Parkersburg	Maximum	51	56	63	64	64	54	61	57	63	64	45	41	38	30	43	40	41	36	32	41	56	56	31	38	28	36	31	42	48	59	31	46.5
	Minimum	35	43	47	44	48	33	30	32	32	42	36	30	30	25	24	34	31	32	23	24	37	20	13	27	15	16	19	17	37	31	25	30.1
Pickens	Maximum	46	56	56	60	57	52	45	53	62	53	49	39	37	33	40	35	39	35	32	36	39	46	38	37	30	35	22	38	42	54	41	43.1
	Minimum	20	28	37	43	47	30	22	27	28	43	29	27	26	17	9	27	27	22	18	16	28	13	3	25	12	9	10	3	33	34	18	23.6
Point Pleasant	Maximum	55	59	64	64	69	64	61	62	65	64	57	45	40	35	40	40	46	43	36	44	51	49	30	39	35	37	33	44	47	47	45	48.7
	Minimum	26	42	36	37	49	39	27	27	30	47	30	30	30	27	20	31	21	33	28	21	35	26	11	29	25	17	21	14	34	43	27	29.5
Rainelle	Maximum	51	54	55	55	56	56	55	54	58	63	52	40	35	31	41	35	37	36	51	35	47	46	27	36	37	36	26	31	38	54	44	44.3
	Minimum	19	23	21	27	44	27	15	24	20	30	33	30	28	22	6	28	13	30	22	20	28	22	8	26	18	1	13	−7	26	35	21	21.7
Richwood [3]	Maximum	52	53	58	57	58	52	55	53	64	64	43	44	38	30	44	38	41	42	33	39	52	45	40	40	30	34	40	50	51	58	31	46.1
	Minimum	21	23	27	36	31	22	22	24	26	35	32	30	22	14	16	22	19	24	21	21	33	10	12	20	17	14	3	4	40	22	22	22.1
Romney	Maximum	49	56	63	61	48	55	62	58	64	68	60	44	40	28	34	38	34	35	33	31	46	40	37	44	45	20	26	28	35	36	36	43.7
	Minimum	37	32	37	40	38	45	23	46	25	37	39	37	25	25	9	21	23	28	26	16	26	24	15	28	11	14	15	9	27	33	28	27.1
Spencer [3]	Maximum	54	59	64	80	65	56	61	59	65	67	46	42	42	28	50	37	44	39	28	42	56	35	40	40	28	38	31	43	55	59	31	47.9
	Minimum	25	44	34	38	55	38	25	26	27	45	36	30	31	26	21	34	28	35	28	14	36	35	10	28	25	12	20	13	37	45	27	29.9
Sutton	Maximum	52	56	63	71	71	66	57	58	69	69	63	46	41	41	49	49	45	45	35	41	53	53	33	38	38	33	33	44	44	55	55	50.5
	Minimum	23	30	27	34	54	33	20	26	25	39	37	33	31	26	18	31	27	32	26	13	34	26	11	29	23	12	19	7	31	40	26	27.2
Wardensville [3]	Maximum	58	59	62	59	55	55	64	58	63	69	48	44	30	29	43	41	45	31	31	40	50	44	45	..	..	..	..	..	..	41	36	48.0
	Minimum	24	28	27	35	37	36	19	26	24	30	39	34	26	22	5	15	23	27	24	13	23	33	..	..	..	..	12	8	20	33	29	24.9
Weston	Maximum	54	58	63	70	70	65	58	60	68	64	60	45	43	35	49	45	45	42	36	35	50	48	40	40	36	35	33	44	48	55	53	49.9
	Minimum	30	44	34	42	55	39	24	29	26	39	34	33	30	25	19	33	28	34	25	25	33	22	12	29	20	14	17	7	35	41	25	29.1
Wheeling[3]	Maximum	45	49	57	65	61	45	50	58	58	59	42	38	38	29	41	37	37	34	29	36	52	35	37	36	23	28	28	29	43	49	43	42.3
	Minimum	21	27	30	38	40	43	30	29	29	35	35	30	27	25	15	17	27	28	23	14	19	19	12	12	22	9	14	15	17	34	24	24.5
Williamson[3]	Maximum	58	63	68	69	70	62	62	62	63	69	51	44	48	36	51	41	52	44	33	46	57	44	41	41	37	41	34	45	54	58	36	51.0
	Minimum	23	25	28	29	40	34	28	28	30	31	36	35	34	31	25	29	29	31	28	27	31	31	18	19	28	21	25	18	20	37	31	28.4

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 3-6-39—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

APR 1 2 1939

WEST VIRGINIA SECTION

40

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., FEBRUARY 1939 No. 2

GENERAL SUMMARY

The month was well above normal in both temperature and precipitation. Only six Februarys were warmer, five of these occurring within the last fifteen years. Zero weather was confined practically to one day and to the north-central counties, with ten stations reporting readings of zero or slightly lower. The only extensive cold period was from the 22d to 25th, while warm spells occurred at frequent intervals. It was the third wettest February on record and the wettest since 1903. The heaviest amounts occurred in the central and southwestern Counties, while in the northeastern panhandle division the totals were from one inch to one and one-half inches less than in the other divisions. Heavy to excessive rains fell on the 2-3d, with the average for the State, 2.20 inches; for the Little Kanawha Valley, 2.62 inches; for the southern division, 2.55 inches; and for the immediate Great Kanawha Valley (Charleston to Point Pleasant), 3.28 inches. These rains caused rapid rises in the rivers. Flood stages were reached or exceeded in the Cheat, West Fork, Tygart (above Tygart Dam), Little Kanawha and Elk Rivers and Twelvepole Creek, while the Ohio River was in flood at and below Pomeroy, Ohio. Damage to roads, bridges, homes and stores was considerable.

The weather was generally favorable for winter crops and during the second half of the month for farm work.

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 39.0°, or 5.6° above the normal. The mean for the northeastern panhandle division was 37.5°; for the northern division, 38.0°; and for the southern division, 40.5°. The highest monthly mean was 44.7° at Bancroft, and the lowest, 30.5° at Bayard. The highest temperature was 80° at Hinton on the 19th, and the lowest −2° at Bayard on the 23d and 24th and at Creston on the 23d. The greatest daily range was 52° at McNeill on the 19th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 105 stations, was 5.72 inches, or 2.56 inches above the normal. In the northeastern panhandle division the average was 3.80 inches; in the northern division, 5.93 inches; and in the southern division, 6.21 inches. The greatest monthly precipitation was 8.26 inches at Pickens, and the least 2.40 inches at McNeill. The greatest amount in any 24 consecutive hours was 2.67 inches at Wayne on the 2-3d. The average monthly snowfall was 3.9 inches, or 4.4 inches below normal. The greatest monthly snowfall was 13.0 inches at Wheeling. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	2	1	..	2	1	1	2	3	2	..	..	..	..	2	..	1	..	2	..	7	..	1	..	2	2	..	..	..	..	..
Gales	..	..	..	1	1	1	3	1	..	1	1	..	..	1	3	1	..	1	2	7	1	1	..	4	1	..	1	4	..	..	..
Glaze	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	4	1	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	..
Halos, solar	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	2	..	..	..	..
Sleet	..	1	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	4	..	..	..	2	1	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.10	30.63	16	29.50	19	9.6	35	sw.	28	83	65	67	46
Columbus, Ohio	30.09	30.65	16	29.49	19	11.8	49	s.	28	80	66	70	53
Elkins	30.12	30.61	16	29.33	15	8.2	27	s.	20	81	58	68	50
Parkersburg	30.10	30.66	16	29.48	15	7.8	27	w.	20	86	64	68	45
Pittsburgh, Pa	30.08	30.65	16	29.45	15	13.6	47	nw.	20	82	64	69	46
Wytheville, Va	30.11	30.54	17	29.40	15	8.1	37	w.	15	81	60	64	48

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	......	......	2.09	5.23	5.79	5.39	......	......	......	......	......
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	......	......	......
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	......	......	......
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	22.8	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	−35	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	.86	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	5.99	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	− 5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	− 3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	41.6	86	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
Period	33.4	86	−35	2.45	3.28	3.25	3.16	8.3	10	9	6	13

Climatological Data for February 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	30.5	+0.9	70	19	−2	§23	44	4.17	+0.67	1.18	10.5	13	9	7	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	39.9	+5.2	70	19	9	23	37	4.05	+2.29	1.25	2.0	10	18	0	10	s.	E. L. Keister
Harpers Ferry	Jefferson	400	50	.....	....	.....	.....	.....	.....	....	4.31	+2.05	1.20	.5	12	....	....	....	......	Miss Eleanor White
Inwood	Berkeley	569	7	37.2	....	70	§19	12	23	38	4.06	....	1.50	....	5	11	5	12	e.	H. W. Prettyman
Kearneysville	Jefferson	548	9	37.2	....	70	§19	12	23	33	4.03	....	1.26	....	9	10	9	9	ne.	University Exper. Station
Martinsburg	Berkeley	435	47	38.0	+6.6	71	20	15	§23	40	3.65	+1.25	1.00	T.	10	20	5	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	38.8	+6.5	78	19	8	§5	52	2.40	+.27	1.31	2.0	6	11	7	10	w.	R. E. Saville
Piedmont	Mineral	1,053	26	36.8	+3.0	66	19	10	23	35	4.04	+1.80	1.35	4.0	8	8	8	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	38.6	+4.4	71	§19	12	23	40	3.79	+1.89	1.51	1.0	9	13	6	9	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	.....	....	.....	.....	.....	.....	....	5.02	....	1.93	9.0	12	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	19	.....	....	.....	.....	.....	.....	....	3.63	+.78	1.27	5.0	7	6	3	19	w.	A. C. Becker
Wardensville	Hardy	1,200	18	37.6	+3.8	71	20	11	§23	48	3.58	+1.87	.75	.5	12	11	10	7	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	.....	....	.....	.....	.....	.....	....	5.98	+2.88	1.67	3.6	12	7	7	14	w.	L. Esle Bond
Alma (near)	Tyler	800	12	.....	....	.....	.....	.....	.....	....	6.09	+3.83	1.45	3.3	13	11	6	11	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	35.5	....	70	19	−1	23	39	7.12	....	1.92	6.5	15	11	3	14	......	Christian Hertig
Benson	Harrison	1,080	15	38.0	.0	77	19	−1	23	47	6.65	+2.94	1.75	4.5	14	5	15	8	......	R. D. Marts
Bens Run	Pleasants	652	37	41.3	+8.5	74	19	10	23	32	5.21	+2.10	1.39	3.9	13	12	3	13	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	41.8	+4.2	76	20	−1	23	43	5.79	+2.72	1.63	4.6	14	7	14	7	......	M. D. Hawkins
Buckhannon	Upshur	1,411	42	39.8	+6.7	71	20	−1	23	36	6.61	+2.85	1.70	4.0	13	....	....	....	......	H. A. Darnall
Cairo	Ritchie	680	38	40.2	+6.0	76	19	0	23	42	6.63	+3.66	1.91	3.9	14	4	18	6	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	35.7	+1.1	74	19	6	23	42	5.41	+2.37	1.37	.5	13	5	9	14	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	.....	....	.....	.....	.....	.....	....	5.92	+2.60	1.85	4.9	13	6	11	11	sw.	George W. Blair
Creston	Wirt	640	37	37.0	+2.3	74	§19	−2	23	41	6.70	+3.51	1.70	5.5	16	10	4	14	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	.....	....	.....	.....	.....	.....	....	5.23	+2.36	.95	4.5	15	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	23	.....	....	.....	.....	.....	.....	....	5.77	+3.34	1.20	7.0	16	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	18	.....	....	.....	.....	.....	.....	....	5.88	+2.89	1.32	2.0	17	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	23	.....	....	.....	.....	.....	.....	....	6.08	+3.51	1.21	....	14	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	23	.....	....	.....	.....	.....	.....	....	5.68	+2.92	1.24	.4	14	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	.....	....	.....	.....	.....	.....	....	5.90	+3.04	1.58	3.0	13	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	38	37.6	+6.0	73	19	2	23	40	5.99	+2.91	2.11	8.4	19	6	5	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	37.5	+4.4	72	§19	5	23	39	5.48	+2.46	1.37	4.5	15	8	8	12	w.	J. C. Robinson
Glenville	Gilmer	738	45	39.9	+5.3	75	19	5	23	41	6.76	+3.19	1.69	2.2	14	1	15	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	41.0	+8.4	75	20	8	23	40	5.35	+2.44	1.42	4.6	15	8	11	9	......	L. W. Clayton
Hastings	Wetzel	809	4	.....	....	.....	.....	.....	.....	....	6.42	....	1.53	4.0	18	10	4	14	w.	L. G. McIntyre
Horner	Lewis	1,044	16	.....	....	.....	.....	.....	.....	....	4.32	+.67	1.65	....	7	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	16	.....	....	..	.....	.....	.....	....	4.75	+1.98	.86	4.0	13	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	40.1	+7.4	75	19	4	23	43	6.03	+2.95	1.89	2.7	13	9	2	17	w.	Allen Smith
Mannington	Marion	974	36	37.8	+5.0	71	28	5	23	39	6.44	+3.54	1.70	5.0	20	7	6	15	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	38.1	+5.3	70	19	6	23	39	5.57	+3.01	1.82	5.5	15	11	6	11	......	Bruce Davis
New Cumberland	Hancock	671	41	34.4	+5.3	67	28	4	23	42	3.77	+1.33	.77	6.0	14	10	1	17	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	35.5	+2.0	68	28	5	23	34	7.70	+4.86	1.40	4.2	14	10	5	13	n.	Wm. Ankrom
Parkersburg	Wood	615	52	38.5	+4.3	75	19	6	23	34	5.88	+2.75	1.56	3.9	15	8	4	16	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	39.5	+7.8	74	19	4	23	48	7.47	+3.95	....	2.5	7	8	7	13	......	J. W. Swisher
Philippi	Barbour	1,300	42	.....	....	.....	.....	.....	.....	....	5.53	+2.35	1.05	3.0	13	....	....	....	......	H. F. Brittingham
Pickens	Randolph	2,697	36	36.2	+4.3	69	19	0	23	36	8.26	+3.17	....	9.0	11	9	7	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	.....	....	.....	...	.....	.....	....	6.03	+2.65	1.75	3.1	14	8	3	17	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	....	....	.....	...	.....	.....	....	.	....	....	....	..	....	....	....	......	W. H. Bolyard
Saint Marys	Pleasants	577	31	.....	....	.....	.....	.....	.....	....	6.81	+3.88	1.32	5.0	15	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	38	33.2	+4.4	68	19	−1	23	36	....	....	....	....	..	9	5	14	w.	John Dee Williston
Thomas	Tucker	3,000	10	.....	....	.....	.....	.....	.....	....	6.02	....	1.95	11.0	15	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	16	40.2	+1.7	75	19	1	23	44	5.60	+2.53	1.69	3.5	13	10	7	11	w.	S. A. Spence
Vandalia	Lewis	1,120	16	.....	....	.....	...	.....	.....	....	5.60	+2.58	1.78	8.0	11	....	....	....	......	James B. Kelley
Wellsburg (near)	Brooke	668	32	35.4	+5.4	71	28	4	23	41	4.55	+2.36	.83	8.0	12	12	6	10	......	George P. Pfister
West Milford	Harrison	979	14		....	.....	.....	.....	.....	....	5.56	+2.23	1.60	2.0	15	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	44	41.2	+7.3	75	19	10	23	41	6.21	+2.61	1.34	4.8	15	3	8	17	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	35.1	+3.0	72	28	7	23	38	5.38	+3.09	.97	13.0	15	4	6	18	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	.....	....	.....	....	.....	.....	....	5.71	+2.84	1.40	2.5	12	11	4	13	sw.	H. S. Sutton
Bancroft	Putnam	574	35	44.7	+9.8	78	§19	10	23	45	6.91	+3.82	2.55	2.0	13	9	2	17	......	Fred D. Smith
Beckley	Raleigh	2,440	36	38.4	+3.7	72	19	1	23	43	6.02	+3.07	1.92	4.2	15	9	10	9	......	L. A. Mauck
Bluefield	Mercer	2,558	44	42.8	+8.0	74	19	8	23	38	4.51	+1.58	1.01	2.2	12	12	4	12	......	Norfolk & Western Ry.
Charleston	Kanawha	602	36	41.4	+2.2	77	19	9	23	47	7.00	+3.69	2.34	3.0	15	9	3	16	......	Charleston Daily Mail
Clay	Clay	790	23	.....	....	.....	.....	.....	.....	....	6.87	+3.21	1.98	3.1	14	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,260	1	36.6	....	68	19	2	23	33	4.87	....	1.26	9.0	12	....	....	....	nw.	U. S. Airway Station
Gary	McDowell	1,426	23	41.6	+3.7	79	19	12	§23	47	4.83	+1.69	.94	.2	15	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	39.0	....	75	19	4	23	40	6.85	....	2.63	2.4	12	10	6	12	sw.	State Forest Nursery
Hinton	Summers	1,431	42	41.6	+6.1	80	19	11	23	46	4.37	+1.48	.80	T.	13	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	23	.....	....	.....	.....	.....	.....	....	6.97	+4.04	2.01	.3	14	....	....	....	......	Lockmaster
Huntington	Cabell	571	42	42.2	+7.5	76	19	8	23	39	8.21	+5.13	2.58	5.1	16	5	6	17	nw.	H. N. Robinson
Institute	Kanawha	616	1	41.8	....	78	19	5	23	41	6.80	....	2.62	1.8	15	....	....	....	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	.....	....	.....	.....	.....	.....	....	5.25	+2.61	1.35	1.0	12	....	....	....	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	.....	....	.....	.....	.....	.....	....	6.38	+2.94	1.57	3.0	12	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	40.0	+6.7	72	19	3	23	41	3.87	+1.08	.90	....	14	9	7	12	......	J. K. Monroe
Logan	Logan	700	36	43.1	....	78	19	13	§23	44	6.79	+3.29	2.51	2.0	12	8	7	13	......	Paul A. Simonds
London Locks	Kanawha	623	3	42.2	....	78	§19	12	23	44	6.04	....	1.88	1.0	13	6	0	22	w.	Lockmaster
Madison	Boone	675	18	.....	....	^{t}76	19	.....	.....	....	....	....	....	....	..	....	....	....	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	36.8	+5.0	71	19	7	23	42	6.15	+2.85	1.47	T	15	9	6	13	......	U. S. Forest Service
Point Pleasant	Mason	595	46	41.4	+8.0	76	19	8	23	40	8.04	+4.89	1.70	T.	14	8	4	16	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	37.5	....	70	19	4	23	41	6.35	....	1.49	8.5	17	9	6	13	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	39.2	+.4	73	19	1	23	36	6.54	+3.57	1.54	....	13	10	2	16	ne.	Lockmaster
Richwood	Nicholas	2,193	9	38.4	....	71	19	5	23	42	5.69	....	1.01	7.0	13	9	8	11	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	39	39.0	+4.9	78	19	3	§23	38	6.84	+3.80	2.63	4.5	12	....	....	....	......	M. Frazier
Ryan	Roane	700	36	38.8	+4.5	76	28	0	23	43	7.17	+3.89	2.03	6.3	17	7	9	12	......	Wm. E. Ryan
Spencer	Roane	789	35	40.0	+4.8	76	19	0	23	41	7.19	+4.04	1.82	6.5	16	3	7	18	......	A. M. McKown
Sutton	Braxton	850	33	41.4	+5.3	76	§19	6	23	42	7.40	+3.96	2.51	6.0	12	....	....	....	......	C. B. Eakle
Union	Monroe	2,250	35	41.3	+6.1	74	19	5	23	44	4.04	+1.19	.90	....	14	11	3	14	......	C. B. King
Wayne	Wayne	598	12	.....	....	.....	.....	.....	.....	....	7.57	+4.65	2.67	4.0	13	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	.....	....	.....	.....	5	23	....	4.65	+2.02	.80	....	10	9	5	14	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	43.0	+5.6	78	19	15	§23	38	7.31	+3.96	2.46	1.5	13	6	12	10	se.	J. E. Dotson
State averages and	**extremes**	.....	....	**39.0**	**+5.6**	**80**	**19**	**−2**	**23**	**52**	**5.72**	**+2.56**	**2.67**	**3.9**	**13**	**9**	**6**	**13**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for February 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		.05	.68	1.18			.36			.24					.34	.05	.10			.15		.06	.06			.30		.60				4.17
Brandywine	do		.25	1.25			T.	.15			.40	.35				.55	.10				.05	T.	T.				.35		.60				4.05
Brushy Run[2]	do			.37	1.05			.21			.24	.31				T.	.22				.10		T.				.42		.28				3.20
Harpers Ferry[2]	do		.03	.45	.87			.18			.24	.44				T.	1.20				.01		.12				.31	.25	.21				4.31
Inwood	do			1.50				T.			.40					.75							T.				.47		.94				4.06
Kearneysville	do		.06	1.26	.03						.18	.29				.70					T.		.06				.50		.95				4.03
Knobly Mountain[2]†	do	T.	T.	.50	1.20			.30			.38	.20				.18	T.				T.		T.	T.	T.		.57		1.00				4.33
Martinsburg[2]	do		.10	.60	1.00			.10			.20	.30				T.	.65				T.		T.				.15	.10	.45				3.65
McNeill	do		.06	1.31			T.	T.		T.	.08					.11					T.		T.				.20		.64				2.40
Petersburg	do			1.34				.01		.02	.14	.24									.01						.30		.73				2.79
Piedmont	do		.02	1.12			T.	.20		T.	.38	.11				.18	T.	T.				T.	T.				.68		1.35				4.04
Romney	do		.05	1.51							.40	.20				.30					.03		.03		T.		.33		.94				3.79
Spruce Knob[2]†	do	T.		.84	1.09			.33			.27	.47				.39	.34		T.	T.	.28		.20	T.	T.	.06	.82		.43				5.02
Stony River Dam[2]†	do			.70	1.27			.30									.15						.10				.40		.71				3.63
Wardensville[2]	do		.05	.70	.75			.04			.12	.25				.42	.13				.09		.07				.49		.47				3.58
Northern Division																																	
Aberdeen†	West Fork	T.	.30	1.67	.09		T.	.20		.13	.45	.68				.96	T.	T.			.22	T.	.31	T.	T.		.63		.34				5.98
Alma (near)	Ohio		.53	1.45	.12		.10			.60	.45	.18				1.00		.04			.09		.34				.74		.45				6.09
Alpena	Cheat		.71	1.92	.02		.15	.53		.27	.31	.54				.56		.11	T.		.47	T.	.50		.10	T.	.27		.66				7.12
Belington[2]	Tygart	.01	.01	1.23	1.10			.37			.29	.86				.43	.36	T.	.02	T.	.23	T.	.28	.09		T.	.29	T.	.31				5.88
Benson†	West Fork		.50	1.75	.10		.03	.27		.50	.15	.65				.60			.10			.30	.40				.80		.50				6.65
Bens Run	Ohio	T.	.40	1.39	.09		.06			T.	.64					.81		.08		.08	.16	T	.18		.02		.80		.50				5.21
Brownsville†	West Fork		.38	1.63	.05			.22		.15	.41	.68				.70	.10				.16		.20	.10			.65		.36				5.79
Buckhannon	Tygart		.42	1.70	T.		T.	.42		.24	.67	.56				.85		.08			.30	T.	.30		.15		.45		.47				6.61
Cairo	Litl.Kanawha		.39	1.91	.09			.27		.01	.53	.59				1.07			.01		.17		.27		.02		.79		.51				6.63
Clarksburg[2]	West Fork		.07	1.37	.47			.27			.43	.60				.46	.19		.02	T.	.18		.18				.73		.44				5.41
Crawford	do	T.	.46	1.85	.03		.04	.17		.23	.56	.52				.91				T.	.20	T.	.21		T.		.45		.29				5.92
Creston[2]	Litl.Kanawha	T.	.20	1.70	.75			.23			.50	.65				.77	.15		.15	.02	.17		.23	.02		T.	.70	.01	.45				6.70
Dailey[2]†	Tygart	T.	.03	1.03	1.23			.48	T.		.10	.64				.33	.30	T.	T.	T.	.13	T.	.25	.05		T.	.20	T.	.25				5.02
Dam 10, Mon. R.[2]†	Monongahela.	T.	.03	.95	.94			.35			.30	.50				.42	.29		.15	.06	.10		.26		T.		.47	.03	.38				5.23
Dam 13, O. R.[2]†	Ohio		.10	1.20	.53			.25			.42	.45				.92	.08		.06	.08	.17		.33	.02	T.	T.	.60	.18	.38				5.77
Dam 15, Mon. R.[2]†	Monongahela	.03	.05	1.32	.70			.42			.46	.59				.43	.35		.02	.02	.15		.16	.04		T.	.63	.10	.41				5.88
Dam 19, O. R.[2]†	Ohio		.11	1.12	.75	T.		.18			.44	.55				1.21	.07		T.	.02	.17		.20	T.		T.	.76	.02	.48				6.08
Dam 20, O. R.[2]†	do		.10	1.24	.30			.18			.43	.61				1.15	.14			T.	.20		.09	.04		.03	.75		.42				5.68
Elizabeth (Dam 3)[2]	Litl.Kanawha		.10	1.58	.45			.17			.34	.57				.90	.07		T.	T.	.14		.30				.74	.04	.50				5.90
Elk†	West Fork		.30	1.65				.12		.50	.60	.20			.10	.85	.08				.20		.20					.68	.48				5.96
Elkins[1]‡	Tygart	T.	.56	1.89	.07		.20	.15		.36	.55	.13			.02	.70	.02	.03		T.	.24	.11	.27	T.	.02	.04	.19		.44				5.99
Fairmont[2]	Monongahela		.10	1.37	.48			.49			.39	.57				.52	.08		.11	.04	.11		.03	.05		T.	.63	T.	.51				5.48
Glenville[2]	Litl.Kanawha		.10	1.69	.72	.24		.21			.56	.61				.64	.22		T.		.18		.24	.08			.81		.46				6.76
Grafton	Tygart		.21	1.42	.09			.24			.28	.60				.01	.90			.02	.13		.28	.01	.01		.66		.49				5.35
Hackers Creek†	West Fork		1.00	1.25			.02	.10		.34	.60					.84					.15		.39						.91				5.60
Hall[2]	Tygart	T.	.03	1.14	.73	T.		.23			.33	.94	T.	T.		.47	.20	T.	T.	T.	.22		.18	.01		T.	.47	T.	.39				5.34
Hastings	Ohio	T.	.40	1.53	.09		.04	.44		.04	.60	.44				.96		.03	.08	.10	.09	.02	.25		.02		.77		.52				6.42
Horner	West Fork		.70	1.65				.15			.42					.15							.20				1.05						4.32
Ireland	do		.86	2.05	.04			.28		.18		.90				.88				.01			.38	.18			.39		.28				6.43
Jackson's Mill†	do		.32	1.62			.06			.38	.57	.34				.72					.36		.20				.81		.44				5.82
Jane Lew	do		.41	.60	.08		.01	.21		.19	.44	.51				.86					.15	T.	.16				.70		.43				4.75
Lost Creek	do		.18	1.89	.03		.02	.29		.23	.54	.48				.68	T.	T.		T.	.20	T.	.21	T.	T.		.81		.47				6.03
Mannington	Monongahela.		.27	1.70	.10		.10	.32		.20	.78	.21				.74	.01	.06	.01	.12	.12	T.	.24	.02	.02		.81	.01	.60				6.44
Midvale[2]†	Tygart	T	.01	1.30	1.25			.30			.35	.95				.04	.45	T.	.02		.45		.37	.15		.03	.25		.28				6.20
Morgantown	Monongahela.		.16	1.82	.15		.14	.25		.07	.56	.17				.65		.18	T.			.20	.18		.05		.42	T.	.57				5.57
Mt. Clare	West Fork		.24	1.63	.03		.04	.16		.46	.39	.30	T.			.79	T.	.01		T.	.16	T.	.16				.67		.40				5.44
New Cumberland	Ohio		.27	.43			.17	.12		.28	.12					.77	T.	.05		.33	.14	.38			.03		.44		.24				3.77
New Martinsville	do		.65	1.40	.40		.40			.28	.70					1.05		.06		.18	.20	.42	.28				1.08		.60				7.70
Parkersburg[1]‡	do	T.	.60	1.30	T.		.16			.43	.59	.01			.15	1.11		T.		.02	.16	.16	.02		T.	.20	.52		.45				5.88
Parsons	Cheat		*	3.32	.05			.47		*	*	1.04				.66					*		.50				*		1.43				7.47
Parsons No. 2	do		.40	2.10	.05		.05	.43		.16	.36	.65				.72	T.	T.	.06		.30		.17	T.	T.				.70				6.15
Philippi[2]	Tygart	T.	.02	1.05	.75			.34			.30	.86				.43	.36		T.	T.	.25		.25	.02		T.	.55	T.	.35				5.53
Pickens	do		*	3.26			.22	.80		.33		1.00				.90							.54	.10	.10		.68		.33				8.26
Roanoke	West Fork	.07	.40	1.75	.10		.05	.25		.19	.60	.51				.75					.21		.21	T.			.60		.34				6.03
Rockford†	do		.33	1.65	T.			.24		.42	.41	.36				.83	.06			.17			.22				.45		.65				5.79
Rowlesburg[2]	Cheat																																....
Saint Marys[2]	Ohio		.17	1.32	.47			.30			.55	.68				1.38	.08	.03		.03	.18		.27	.02			.85		.48				6.81
Salem	West Fork		.30	1.72			.16	.28		.50	.30	.50				.48		.05		.05	.25		.20		T.		.90		.50				6.19
Shinnston	do		.36	1.63			.17			.60	.80				.20	.40				.10		T.	.20	T			1.09		.56				6.11
Terra Alta[2]†	Cheat															.55	T.	.10				.30	.40		.04	.03			.35				(||||)
Thomas[2]	do	.05	T.	.55	1.95			.44	T.		.35	.67				.05	.50	T.	.05	T.	.28	T.	.16	.08			.48	.02	.39				6.02
Valley Chapel	West Fork		.34	1.69	.04		T.	.26		.16	.44	.55				.65	.03				.19	T.	.03				.77	T.	.45				5.60
Valley Head[2]	Tygart	T.	.10	1.06	1.16			.55			.21	.71				.21	.40	T.	.07	T.	.18	T.	.18	.08	T.	.02	.77	.03	.06				5.79
Vandalia†	West Fork	.23	.42	1.78				.27		.39	.42	.30				.73					.18		.50						.38				5.60
Wellsburg (near)	Ohio		.50	.82	.10		.03	.20		T.	.71					.83		T.		.25	.14	T.	.20				.47		.30				4.55
West Milford	West Fork		.30	1.60	.10	.05	.10	.27		.40	.50					.62	.05				.19		.20				.78	.05	.35				5.56
Weston[2]	do		.06	1.34	.72			.29			.46	.74				.71	.28		.05	T.	.18		.28	.05			.62	.05	.38				6.21
Wheeling (Dam 12)[2]	Ohio		.10	.96	.51			.32			.38	.42				.97	.11		.07	.15	.21		.30	T.	T.	T.	.39	.15	.34				5.38
Southern Division																																	
Arbovale[2]	Greenbrier		.48	1.40				.60		.40		.80				.46	.05				.30	T.	.05	.05	T.	T.	.47		.65				5.71
Bancroft†	Gr. Kanawha.		.33	2.55	.42	T.		.20		.51	.57	T.				.89	.09				.24		.28	.02			.48		.33				6.91
Beckley	New	.17	.13	1.92	.06		.29	.25		.45	.06	1.02				.80					.26	.04	.17			T.	.26		.14				6.02
Bluefield	New			1.01	.02		.25	.24		.33	.09	.59			T.	.68					.12		.15				.58		.45				4.51
Camden-on-Gauley[2]	Gauley		.06	1.30	.95			.43			.32	1.04				.42	.19		.01	.17	.14		.19	.06			.02		.05				5.35
Charleston[2]	Gr. Kanawha.		.10	2.34	1.01			.29			.39	.66	.06			.66	.08		.17		.33		.28	.05			.32		.26				7.00
Clay[2]	Elk		.10	1.98	1.18			.60			.58	.73				.44	.25			.08	.17		.14	.12			.14		.36				6.87
Flat Top[2]	New		T.	.53	.78			.65			.56	.73				.53	.19				.23		.19	.02	T.		.33	T.	.13				4.87
Gary[2]	Big Sandy		.06	.80	.94		.01	.43			.27	.94				.63	.23			.01	.12	T.	.11	.02			.21		.05				4.83
Greenbottom[2]†	Ohio		.60	2.63	.42			.07			.40	.57				.49	.06				.27		.20	T.			.68		.47				6.86
Hinton[2]	New		.01	.46	.71			.47			.80	.58				.44	.11		T.		.13		.07	.01			.43		.15				4.37
Hogsett[2]	Ohio		.30	2.01	.72			.06			.40	.59				1.34	.12				.23		.09	.03			.64	.01	.43				6.97
Huntington	do		1.18	2.58	.10		.04	.04		.54	.55	.12			.13	1.32		T.		T.	.26	.13	.09	.01	T.	T.	.67		.45				8.21
Institute[2]	Gr. Kanawha.		.70	2.62	.02		.10	.13		.53	.54	.12			.05	.77		T.	T.	T.	.24	.14	.07	T.		T.	.44	T.	.33				6.80
Kanawha Falls[2]†	do		T.	1.35	.65	T.		.35			.38	1.00				.50	.30				.20		.12	.10			.20		.10				5.25
Kayford[2]	do		T.	1.57	1.34			.40			.22	1.16				.62	.13			T.	.32		.20	.05			.22		.15				6.38
Lewisburg	Greenbrier		.08	.90	T.		.13	.14		.81	T.	.67				.40	.03				.07	.02	.13	.01			.16		.32				3.87
Logan[2]	Guyandot		T.	2.51	1.02		T.	.21			.22	.97				.68	.16		.01		.41		.20	T.			.20	T.	.20				6.79
London Locks[2]†	Gr. Kanawha.		.01	1.88	1.42			.23			.36	.84				.46	.25		T.		.21		.07	.02			.14	T.	.15				6.04
Madison[2]	Coal			2.20	(||||)						*	1.15				.59	.16				.40		.22				*		.48				(||||)
Marlinton	Greenbrier		.18	1.47			.03	.41		.44	.21	.85			.02	.69	.03				.29	.03		.06			.72		.72				6.15
Point Pleasant[2]	Ohio		.30	1.70	.74			.12			.46	1.12				1.79	.11				.29		.35	.06		T.	.57	.04	.39				8.04
Rainelle	Greenbrier		.19	1.49	.05	.02	.20	.49		.52	.04	1.05	.02			.80	.03		T.			.26	.35	.06			.54		.24				6.35
Ravenswood[2]	Ohio		.15	1.54	.80			.12			.35	.56				1.27	.15			.02	.15		.20				.75		.48				6.54

Continued on next page.

Daily Precipitation for February 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	....	.90	.85	....	....	....	.58	....	....	.18	1.01	....	....	....	.30	.50	....	....	....	.30	....	.28	.09	....	....	.50	.12	.08	....	....	....	5.69
Robertsburg[2]	Gr. Kanawha	....	.50	2.63	.20	....	....	.13	....	....	.39	.73	....	....	....	.97	.04	....	....	T.	.12	T.	.10	T.	....	....	.59	....	.44	....	....	....	6.84
Ryan	do	....	1.30	2.03	.05	....	.01	.21	....	.51	.47	.30	....	....	.02	.81	.04	....	....	.02	.20	.08	.25	....	....	....	.56	....	.31	....	....	....	7.17
Sharples[2]	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer[2]	Litl.Kauawha	....	.35	1.82	.55	....	.23	.21	....	....	.50	.65	...	....	....	.72	T.	.11	T.	.02	.15	....	.40	.20	....	.21	.66	....	.41	....	....	....	7.19
Sutton	Elk	.12	.52	2.51	.50	....	....	.44	....	....	.48	.90	....	....	....	.70	....	....	....	....	.25	....	.20	....	....	T.	.48	....	.30	....	....	....	7.40
Thornwood[2]	Greenbrier	....	....	1.41	1.18	....	....	...	....	....	.40	.29	...	....	....	.39	.15	....	....	....	.16	....	.23	....	....	.52	.46	....	.13	....	....	....	5.32
Union	New	....	.06	.90	.04	....	.14	.23	....	.55	.33	.45	....	....	....	.53	.03	....	....	....	.15	.03	....	....	....	....	.35	....	.25	....	....	....	4.04
Wayne[2]	Twelvepole	....	.20	2.67	....	....	....	.24	....	....	.91	.54	....	....	....	1.17	.08	....	....	....	.02	.35	.31	.04	....	....	.66	....	.38	....	....	....	7.57
White Sulp'r Spgs.[2]	Greenbrier	....	.50	.75	....	....	....	....	....	.75	.80	....	....	....	....	.30	.30	....	....	....	.25	....	....	....	....	.60	.30	....	.10	....	....	....	4.65
Williamson[2]	Big Sandy	....	.01	2.46	1.24	....	..	.34	....	....	.21	1.10	....	....	....	.78	.13	....	....	....	.40	....	.22	.02	....	....	.24	....	.16	....	....	....	7.31
Winfield Locks[2]†	Gr Kanawha	....	.29	2.15	1.10	....	....	.40	....	....	.46	.56	....	....	....	.90	.19	....	....	T.	.19	....	.16	....	....	....	.59	....	.38	....	....	....	7.37

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Baucroft, Winfield; Benson, Miletus; Brownsville, Westou; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Clarksburg; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore: Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. (||||) Incomplete.

Daily Temperatures for February 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	41	45	38	25	43	44	38	52	45	58	27	39	48	60	42	35	45	52	70	59	53	18	27	36	41	52	52	57	....	....	....	44.4
	Minimum	9	9	31	11	1	2	25	18	18	29	18	14	17	19	23	5	5	9	26	46	27	8	−2	−2	20	22	27	29	....	....	....	16.6
Beckley	Maximum	40	48	50	37	49	42	47	59	55	67	48	46	55	56	63	40	50	52	72	68	59	51	23	44	42	60	58	66	....	....	....	51.7
	Minimum	17	32	32	18	13	30	29	24	31	38	19	9	12	35	25	16	24	37	37	45	36	8	1	15	23	27	31	38	....	....	....	25.1
Bluefield	Maximum	42	56	62	58	50	42	47	59	58	65	58	45	56	56	64	42	52	59	74	70	63	51	25	46	45	58	56	62	....	....	....	54.3
	Minimum	22	36	44	23	22	31	33	33	40	41	28	18	20	43	30	23	30	43	46	50	39	13	8	21	26	32	39	42	....	....	....	31.3
Brandywine	Maximum	48	50	50	41	44	45	45	54	56	54	50	52	56	57	52	36	54	65	70	67	60	50	29	42	44	60	61	55	....	....	....	51.7
	Miuimum	18	30	41	25	13	30	29	26	30	40	34	17	19	30	35	19	20	35	40	54	30	20	9	20	20	31	34	38	....	....	....	28.1
Buckhannon	Maximum	47	51	58	39	48	47	45	58	58	70	48	40	50	57	62	32	52	55	70	71	58	45	22	38	48	59	51	68	....	....	...	51.7
	Minimum	20	32	36	24	15	21	34	25	34	47	22	18	21	32	30	17	20	39	34	52	38	16	−1	20	27	33	36	35	....	....	....	27.8
Cairo	Maximum	51	51	37	47	51	48	65	66	66	48	47	60	61	60	34	54	56	57	76	74	42	35	24	43	50	50	72	73	....	....	....	53.5
	Minimum	30	35	21	11	30	36	23	31	45	21	14	18	28	31	16	19	29	31	51	32	15	20	0	23	36	36	34	37	....	....	....	26.9
Charleston[3]	Maximum	51	52	52	50	53	54	60	65	68	72	42	53	65	62	47	48	60	62	77	64	49	47	45	45	49	55	68	75	....	....	....	56.8
	Miuimum	27	28	26	23	24	20	19	29	27	36	24	24	24	24	41	19	20	35	35	39	34	19	9	11	27	27	27	28	....	....	....	25.9
Clarksburg[3]	Maximum	43	52	40	28	49	45	46	60	62	69	35	45	37	52	43	29	52	57	74	60	43	22	39	40	44	56	52	73	....	....	....	48.1
	Minimum	19	19	35	23	14	15	30	23	23	37	24	16	11	20	20	18	19	22	32	44	37	17	6	8	23	24	36	37	....	....	....	23.3
Elkins	Maximum	45	47	43	28	49	45	43	59	55	64	38	42	54	59	65	33	52	56	73	65	57	22	25	36	46	58	58	62	....	....	....	49.2
	Miuimum	15	39	25	17	11	30	28	27	32	38	23	17	22	32	26	15	19	34	33	44	22	9	2	25	26	37	36	43	....	....	....	26.0
Fairmont[3]	Maximum	45	51	36	30	51	44	48	62	59	70	36	46	50	60	40	30	52	59	72	63	42	22	38	44	43	55	52	72	....	....	....	49.2
	Minimum	20	21	35	22	14	15	33	26	30	33	22	18	20	29	40	12	13	33	40	46	35	16	5	9	22	25	37	51	....	....	....	25.8
Flat Top	Maximum	36	46	53	32	43	42	43	55	46	60	38	40	52	51	58	37	48	54	68	60	47	19	19	40	36	54	49	60	....	....	....	45.9
	Minimum	19	31	29	18	19	34	28	31	41	38	22	20	30	37	25	16	24	34	40	42	36	8	2	19	27	28	31	38	....	....	....	27.4
Gary[3]	Maximum	49	60	53	38	56	48	51	64	55	72	39	51	60	67	52	44	56	63	79	71	60	21	32	51	49	62	62	74	....	....	....	55.0
	Minimum	24	28	31	28	20	25	33	25	26	35	33	17	19	20	43	28	26	28	40	44	39	20	12	12	26	28	38	39	....	....	....	28.1
Glenville	Maximum	43	49	48	35	52	51	51	65	63	49	47	46	57	59	60	38	48	62	75	74	58	45	29	42	45	52	52	72	....	....	....	52.4
	Minimum	22	31	32	23	14	29	35	22	31	44	21	14	17	28	30	17	19	38	34	52	38	15	5	23	27	34	35	36	....	....	....	27.4
Grafton	Maximum	50	50	53	34	51	51	45	62	62	71	56	46	57	60	61	33	55	59	73	75	61	47	22	42	51	59	54	71	....	....	....	54.0
	Minimum	19	32	32	23	14	31	35	25	32	45	23	16	19	31	31	13	18	39	33	52	37	16	8	19	26	34	37	41	....	....	....	27.9
Huntington	Maximum	49	47	47	35	54	48	54	68	59	68	43	52	60	62	55	37	54	64	76	73	51	32	30	45	41	49	74	54	....	....	....	52.9
	Minimum	28	39	32	23	21	37	36	29	40	43	23	20	25	38	34	18	27	39	45	51	32	19	8	29	29	36	44	37	....	....	....	31.5
Lewisburg	Maximum	41	43	60	52	48	41	45	61	47	56	52	48	55	55	61	40	55	60	72	67	57	47	26	47	41	62	55	59	....	..	....	51.9
	Minimum	19	34	39	23	16	30	33	25	33	40	27	17	18	35	30	20	25	40	31	51	31	14	3	20	24	33	33	39	....	....	....	28.0
Logan[3]	Maximum	53	50	42	41	54	51	55	68	65	72	43	54	61	62	45	39	60	65	78	68	56	23	42	52	50	59	62	77	..	....	....	55.2
	Miuimum	29	30	40	30	24	37	37	28	28	38	28	22	22	25	41	26	26	32	43	51	39	21	13	13	31	31	42	42	....	....	....	31.0
Madison[3]	Maximum	41	..	..	..	..	..	..	..	...	....	....	48	52	61	43	41	43	66	76	..	..	..	..	..	..	..	61	..	....	....	....	......
	Minimum	25	31	..	..	..	..	..	..	....	....	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	48	....	....	....	......
Mannington	Maximum	41	51	49	31	46	45	44	59	58	65	46	43	53	58	56	32	51	55	70	70	53	39	22	39	42	52	48	71	....	....	....	49.7
	Minimum	15	31	31	21	10	29	35	22	32	44	21	14	18	27	31	13	16	30	31	51	35	16	5	20	18	34	36	35	....	....	....	25.8
Marlinton	Maximum	40	38	53	46	50	45	43	51	42	51	46	42	52	54	61	39	52	56	71	66	59	47	33	41	48	60	55	53	....	....	....	49.8
	Minimum	11	29	24	14	12	30	33	20	23	38	24	13	15	21	31	18	19	33	29	46	31	14	7	19	23	30	30	30	....	....	....	23.8
Martinsburg[3]	Maximum	50	40	40	38	40	44	40	58	50	45	41	50	62	62	62	30	50	65	70	71	51	35	33	47	38	42	52	53	....	....	....	48.5
	Minimum	22	22	35	28	18	24	30	28	28	35	34	25	30	30	32	18	18	25	38	45	38	21	15	15	25	26	32	35	....	....	....	27.6
Morgantown	Maximum	42	50	50	33	49	45	46	59	58	65	47	49	55	54	56	31	50	55	70	68	51	33	21	39	42	55	48	65	....	....	....	49.5
	Minimum	18	40	32	18	10	31	33	30	28	42	23	18	25	32	31	11	15	30	39	49	33	12	6	18	18	31	33	41	....	....	....	26.7
New Martinsville	Maximum	40	50	48	32	42	44	45	58	52	63	40	45	48	58	50	35	45	55	67	60	36	36	34	36	40	49	47	68	....	....	....	47.2
	Minimum	15	25	25	20	8	22	28	24	30	35	20	18	23	36	28	12	23	25	39	35	30	15	5	15	20	22	32	35	....	....	....	23.8
Parkersburg	Maximum	44	52	40	27	49	46	47	63	55	64	36	47	57	62	48	32	53	59	75	71	39	23	32	39	40	49	48	74	....	....	....	49.0
	Minimum	24	40	27	19	15	34	32	30	37	30	20	20	28	44	26	14	25	33	43	39	22	12	6	26	24	37	37	41	....	....	....	28.0
Pickens	Maximum	42	41	52	46	39	42	41	55	53	45	38	35	44	54	53	49	49	53	69	64	55	34	33	32	48	58	57	60	...	....	....	47.8
	Minimum	13	34	30	11	13	30	28	28	24	28	23	13	23	33	23	13	19	34	34	44	33	8	0	17	31	30	32	40	....	....	....	24.6
Point Pleasant	Maximum	45	49	47	40	58	54	51	66	63	61	40	50	60	63	57	35	56	62	76	74	51	34	28	44	41	48	50	74	....	....	....	52.8
	Minimum	27	37	31	23	18	35	35	28	38	44	20	19	26	35	33	17	25	37	42	51	33	19	8	26	26	35	34	41	....	....	....	30.1
Rainelle	Maximum	37	41	50	38	43	41	44	58	51	56	47	44	54	54	61	39	52	53	70	66	64	48	26	38	41	58	53	60	....	....	....	49.5
	Minimum	19	34	35	21	13	29	31	24	27	40	22	11	14	29	27	18	24	38	29	33	36	11	4	15	24	31	35	40	....	....	....	25.5
Richwood[3]	Maximum	45	53	58	36	47	45	43	58	53	62	58	43	53	61	53	36	53	58	71	62	49	19	33	43	44	53	54	53	....	....	....	49.9
	Minimum	22	30	39	22	16	32	33	28	31	33	26	26	19	19	39	18	18	32	34	46	36	14	5	13	25	26	31	36	....	....	....	26.8
Romney	Maximum	41	43	39	39	32	40	46	63	58	42	45	44	60	55	62	36	48	62	71	71	62	51	39	45	46	46	52	49	....	....	....	49.5
	Minimum	19	32	36	27	15	27	35	24	34	36	30	22	28	26	31	14	19	24	31	57	35	20	12	19	22	23	39	39	....	....	....	27.7
Spencer[3]	Maximum	48	49	40	33	53	47	50	65	57	60	38	49	59	60	40	39	56	61	76	62	45	19	39	43	49	52	52	74	....	....	....	50.5
	Minimum	28	40	36	23	16	32	34	24	34	41	21	16	21	34	40	18	17	40	39	52	34	17	0	25	27	40	34	40	....	....	....	29.4
Sutton	Maximum	47	50	50	40	51	51	48	63	63	55	55	47	58	60	60	36	54	60	76	76	63	53	28	39	47	56	56	72	....	....	....	54.1
	Minimum	22	36	24	33	16	30	36	23	32	47	24	16	19	30	30	20	20	36	34	54	38	17	6	23	26	35	38	39	....	....	....	28.7
Wardensville[3]	Maximum	39	41	40	35	45	44	47	58	50	54	40	48	68	63	55	33	56	62	71	66	53	24	40	45	39	52	55	48	....	....	....	49.0
	Minimum	18	25	37	28	13	19	30	22	31	36	33	17	20	25	38	20	18	31	30	45	34	20	11	11	25	28	33	38	....	....	....	26.3
Weston	Maximum	40	50	43	36	50	48	49	62	60	71	55	46	55	61	58	32	56	60	75	73	58	46	25	40	46	59	55	73	....	....	....	52.9
	Minimum	20	32	34	24	15	31	35	25	34	47	23	16	32	32	31	19	20	41	34	53	40	17	10	23	27	34	37	37	....	....	....	29.4
Wheeling[3]	Maximum	45	53	34	30	46	41	44	56	62	65	36	45	58	58	38	36	46	54	68	53	34	24	35	35	38	46	53	72	....	....	....	46.6
	Minimum	17	21	30	21	8	8	33	28	29	32	20	21	23	35	37	10	10	34	35	45	31	14	7	9	15	18	34	35	....	....	....	23.6
Williamson[3]	Maximum	54	49	45	42	50	50	55	57	66	69	43	54	61	59	45	45	60	66	78	69	53	23	42	53	47	59	64	75	....	....	....	54.9
	Minimum	30	33	40	30	25	27	35	30	31	38	28	23	23	25	42	27	27	32	43	48	40	20	15	15	31	32	41	42	....	....	....	31.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 3-30-39—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII   PARKERSBURG, W. VA., MARCH 1939   NO. 3

GENERAL SUMMARY

The month was above normal in temperature. There was one brief cold period–16th to 19th–but no zero temperatures were reported. The markedly warm periods were, 4-6th, 9th, and 23d-27th.

Precipitation was slightly above normal, except in the northeastern panhandle where it averaged well below normal. The greatest amounts fell in the southwestern Counties. The periods of precipitation were short, as a rule, with steady falls on the 5-6th, 11-13th, 27-28th and 29-30th. Snowfall was very light, with measureable amounts confined generally to the high-level stations. Scattered occurrences of hail and sleet of no consequence were noted.

Numerous small forest fires occurred in the southern Counties during the last decade of the month, principally in Raleigh, McDowell and Logan Counties. They were extinguished by the rains of the 27-28th.

The month was generally favorable for crop growth; pastures and grains made good progress. Ground preparation proceeded at a good pace. At the close of the month fruit trees were budding.

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TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 44.9°, or 2.4° above the normal. The mean for the northeastern panhandle division was 43.5°; for the northern division, 44.0°; and for the southern division, 46.2°. The highest monthly mean was 51.0° at Bancroft and the lowest, 36.0° at Bayard. The highest temperature was 87° at London Locks on the 25th and the lowest, 3° at Alpena on the 19th. The greatest daily range was 53° at Benson and Greenbottom on the 19th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 108 stations, was 4.21 inches, or 0.27 inch above the normal. In the northeastern panhandle division the average was 2.29 inches; in the northern division, 4.93 inches; and in the southern division, 4.64 inches. The greatest monthly precipitation was 7.81 inches at Greenbottom and the least, 1.48 inches at Petersburg. The greatest amount in any 24 consecutive hours was 2.80 inches at Greenbottom on the 5th. The average monthly snowfall was 0.5 inch, or 5.3 inches below the normal. The greatest monthly snowfall was 4.0 inches at Alpena, Pickens, and Spruce Knob. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense					1					1	1	1	2	6					1		1						1	5	2	2	2
Gales	8				3	9	4	2	12	3	1	4	5		1	1	3			1		1				1				1	
Glaze																															
Hail					2	1						3	1																		
Halos, lunar							1	1																							
Halos, solar		1		1		1				2					1	1			1		1	1					2		1		
Sleet											4	4	1				1														
Thunderstorms					10	10					9	6	2							1					2	1					

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	30.08	30.58	19	29.30	12	9.6	31	w.	15	74	55	54	58
Columbus, Ohio	30.04	30.60	19	29.27	12	11.6	37	sw.	6	74	55	60	61
Elkins	30.09	30.61	19	29.36	12	8.3	28	w.	9	77	45	54	56
Parkersburg	30.07	30.62	19	29.30	12	7.7	25	w.	6	77	54	57	55
Pittsburgh, Pa	30.05	30.59	8	29.31	12	13.1	45	sw.	4	72	56	56	53
Wytheville, Va	30.09	30.57	19	29.38	12	8.3	27	w.	5	74	54	56	47

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	....	.....	5.52	5.24	5.46	4.91	......	......	......	......	......
1892	36.4	87	8	4.08	3.24	3.73	3.50	......	......	......	......	......
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	......	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	......	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	**.55**	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	**34.4**	63	7	.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	.5	10	12	9	10
Period	42.5	94	−18	3.07	4.08	4.14	3.94	5.8	12	11	7	13

Climatological Data for March 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	36.0	−1.7	77	27	5	19	55	3.49	−1.02	0.95	3.0	11	18	1	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	45.2	+3.8	80	26	11	19	51	1.65	−.82	.50	.0	5	19	0	12	s.	E. L. Keister
Harpers Ferry	Jefferson	400	50	......	......	......	......	......	......	......	2.81	−.24	.67	.0	10	......	......	......	......	Miss Eleanor White
Inwood	Berkeley	569	7	43.4	......	80	§24	14	3	49	1.88	......	.62	.0	5	18	9	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	43.6	......	83	24	15	19	52	1.84	......	.47	.0	10	12	16	3	nw.	University Exper. Station
Martinsburg	Berkeley	435	47	43.6	+2.0	86	§25	17	19	53	2.72	−.54	.70	T.	8	23	5	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	45.0	+4.0	83	26	7	19	52	1.92	−.67	.53	T.	8	11	15	5	w.	R. E. Saville
Piedmont	Mineral	1,053	26	42.8	+1.6	80	§25	10	19	44	2.53	−.45	.62	T.	10	13	9	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	45.5	+3.1	82	26	13	19	48	1.97	−.89	.55	T.	7	14	12	5	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	......	......	......	......	......	......	......	3.31	......	.84	4.0	10	......	......	......	......	Moses R. Bennett
Stony River Dam	Grant	3,300	19	......	......	......	......	......	......	......	1.63	−1.72	.60	.0	5	6	6	19	......	A. C. Becker
Wardensville	Hardy	1,200	18	43.7	+1.8	81	§24	7	19	40	1.58	−.62	.45	.2	10	12	11	8	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	......	......	......	......	......	......	......	4.35	+.56	1.28	.1	10	8	13	10	......	L. Esle Bond
Alma (near)	Tyler	800	12	......	......	......	......	......	......	......	3.63	−.38	.86	.0	9	16	3	12	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	41.1	......	75	26	3	19	42	4.61	......	1.25	4.0	10	13	8	10	......	Christian Hertig
Benson	Harrison	1,080	15	43.8	+3.5	81	24	6	19	53	4.31	+.85	1.15	.5	9	11	13	7	......	R. D. Marts
Bens Run	Pleasants	652	37	44.6	+1.1	82	24	......	......	......	4.76	+.72	.94	.3	12	21	6	4	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	47.7	+5.8	81	§24	5	19	50	4.48	+1.01	1.37	.2	12	10	14	7	......	M. D. Hawkins
Buckhannon	Upshur	1,411	42	45.4	+3.5	77	§25	9	19	51	5.56	+1.05	1.42	T.	11	16	6	9	......	H. A. Darnall
Cairo	Ritchie	680	38	46.2	+1.9	83	24	10	18	49	4.83	+1.01	1.25	.0	11	10	17	4	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	42.0	+2.3	79	§24	8	19	54	3.68	+.66	.90	.0	9	13	6	12	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	......	......	......	......	......	......	......	5.23	+.90	1.44	T.	10	10	10	11	nw.	George W. Blair
Creston	Wirt	640	37	44.1	+.1	80	§24	10	19	50	5.15	+1.05	1.50	T.	8	11	9	11	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	......	......	......	......	......	......	......	4.36	+.59	.81	.2	12	......	......	......	......	Lockmaster
Dam 13 O. R	Marshall	655	23	......	......	......	......	......	......	......	4.11	+.68	.87	.0	10	......	......	......	......	Lockmaster
Dam 15 Mon. R	Marion	882	18	......	......	......	......	......	......	......	3.85	+.71	.88	T.	11	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	23	......	......	......	......	......	......	......	4.78	+1.24	1.25	.1	11	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	23	......	......	......	......	......	......	......	4.80	+1.09	1.10	T.	9	......	......	......	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	......	......	......	......	......	......	......	4.36	+.61	1.32	T.	8	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	38	43.0	+3.0	77	26	8	19	43	4.17	+.37	1.43	1.9	14	6	9	16	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	43.8	+2.3	81	25	11	19	46	3.49	−.48	.82	1.0	10	14	6	11	w.	J. C. Robinson
Glenville	Gilmer	738	45	46.7	+2.0	81	25	10	19	51	5.34	+1.05	1.56	T.	9	6	16	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	47.4	+5.9	82	§25	9	19	49	4.14	+.38	1.47	.2	9	16	5	10	......	L. W. Clayton
Hastings	Wetzel	809	4	......	......	......	......	......	......	......	5.42	......	1.39	T.	13	11	10	10	w.	L. G. McIntyre
Horner	Lewis	1,044	16	......	......	......	......	......	......	......	3.25	−.51	1.35	.0	8	......	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	15	......	......	......	......	......	......	......	4.66	+1.40	1.22	T.	10	......	......	......	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	45.6	+3.2	79	24	6	19	48	4.26	+.34	1.20	T.	8	11	7	13	w.	Allen Smith
Mannington	Marion	974	36	43.4	+1.1	78	§24	9	19	49	4.37	+.34	.70	.6	12	10	9	12	sw.	James A. Morgan
Morgantown	Monongalia	1,300	46	43.2	+1.1	79	25	7	19	43	4.77	+1.38	.80	T.	10	14	5	12	......	Bruce Davis
New Cumberland	Hancock	671	41	41.9	+2.5	79	§24	9	19	42	2.84	−.40	.75	T.	10	16	5	10	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	42.4	−.9	80	25	8	19	48	3.49	−.30	.72	T.	9	10	9	12	n.	Wm. Ankrom
Parkersburg	Wood	615	52	44.8	+2.0	81	24	16	19	42	4.20	+.71	1.09	T.	10	9	11	11	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	45.3	+4.8	79	26	7	19	47	4.50	+.29	1.53	3.0	9	15	4	12	......	J. W. Swisher
Philippi	Barbour	1,300	42	......	......	......	......	......	......	......	5.11	+.97	1.15	.9	9	......	......	......	......	H. F. Brittingham
Pickens	Randolph	2,697	36	42.6	+3.4	75	25	5	19	41	5.64	−.27	1.54	4.0	14	11	11	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	......	......	......	......	......	......	......	4.93	+1.31	1.40	.0	9	14	4	13	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	......	......	......	......	......	......	......	5.80	+.95	1.71	3.2	11	......	......	......	......	W. H. Bolyard
Saint Marys	Pleasants	577	31	......	......	......	......	......	......	......	4.78	+.86	.89	T.	12	......	......	......	......	Edward Hughes
Terra Alta	Preston	2,559	38	38.1	+.2	74	25	1	19	45	6.17	+1.73	1.20	2.5	9	12	6	13	w.	John Dee Williston
Thomas	Tucker	3,000	10	......	......	......	......	......	......	......	4.69	......	.90	2.0	11	......	......	......	......	W. Sleeman
Valley Chapel	Lewis	1,011	16	46.7	+4.2	81	§25	10	19	49	4.36	+.67	1.50	1.0	12	12	10	9	w.	S. A. Spence
Vandalia	Lewis	1,120	16	......	......	......	......	......	......	......	5.49	+2.29	1.49	2.0	8	......	......	......	......	James B. Kelley
Wellsburg (near)	Brooke	668	32	41.4	+1.6	80	24	9	19	52	3.48	+.29	.78	T.	9	13	9	9	w.	George P. Pfister
West Milford	Harrison	979	14	......	......	......	......	......	......	......	4.16	+.62	1.09	.0	10	......	......	......	......	Scotland G. Highland
Weston	Lewis	1,026	44	48.3	+4.5	82	25	11	19	47	4.65	+.37	1.18	.5	11	1	19	11	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	41.4	+.9	80	24	12	19	52	3.25	−.03	.69	T.	11	12	9	10	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	......	......	......	......	......	......	......	3.38	−.43	1.20	.5	8	11	9	11	w.	H. S. Sutton
Bancroft	Putnam	574	35	51.0	+7.2	80	§24	20	19	36	6.58	+2.58	2.10	T.	10	8	10	13	......	Fred D. Smith
Beckley	Raleigh	2,440	36	44.0	+1.3	74	§24	7	19	48	4.10	+.33	1.18	T.	11	10	13	8	......	L. A. Mauck
Bluefield	Mercer	2,558	44	47.5	+3.1	74	§24	17	19	37	2.64	−.48	.85	T.	11	17	6	8	......	Norfolk & Western Ry.
Charleston	Kanawha	602	36	46.4	−1.0	82	§25	23	§3	43	5.86	+1.36	1.98	.5	13	13	2	16	......	Charleston Daily Mail
Clay	Clay	790	23	......	......	......	......	......	......	......	4.03	−.12	1.37	T.	5	......	......	......	......	L. E. Woofter
Flat Top	Mercer	3,260	1	42.4	......	70	§24	11	19	33	3.70	......	1.52	1.0	10	......	......	......	......	U. S. Airway Station
Gary	McDowell	1,426	23	46.3	−3.8	78	26	18	19	46	3.30	−.86	1.10	T.	13	......	......	......	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	45.6	......	82	24	15	19	53	7.81	......	2.80	T.	11	11	7	13	sw.	State Forest Nursery
Hinton	Summers	1,431	42	47.2	+3.1	81	§23	17	19	53	2.83	−1.07	1.03	T.	10	......	......	......	......	Mrs. M. L. McClung
Hogsett	Mason	564	23	......	......	......	......	......	......	......	5.38	+1.50	1.80	.0	10	......	......	......	......	Lockmaster
Huntington	Cabell	571	42	49.3	+4.3	86	25	19	19	47	7.11	+2.89	2.38	T.	11	7	14	10	nw.	H. N. Robinson
Institute	Kanawha	616	1	47.9	......	82	§24	16	19	49	6.20	......	1.95	T.	11	......	......	......	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	......	......	......	......	......	......	......	3.24	+.04	.99	T.	8	......	......	......	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	......	......	......	......	......	......	......	4.24	−.40	1.17	1.0	10	......	......	......	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	46.4	+4.3	77	§24	14	19	37	2.43	−1.21	1.01	T.	8	12	6	13	......	J. K. Monroe
Logan	Logan	700	36	48.4	......	82	§24	22	19	47	5.47	+.75	1.53	T.	9	14	4	13	......	Paul A. Simonds
London Locks	Kanawha	623	3	47.1	......	87	25	18	19	45	5.61	......	1.40	T.	9	12	0	19	w.	Lockmaster
Madison	Boone	675	18	47.8	+5.1	82	25	20	19	45	4.73	+.55	1.50	.0	10	9	10	12	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	43.8	+5.9	86	26	10	19	51	3.94	−.60	......	T.	10	10	10	11	......	U. S. Forest Service
Point Pleasant	Mason	595	46	48.0	+2.8	83	§24	16	19	48	5.64	+1.55	1.77	T.	14	11	11	9	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	42.4	......	75	25	6	19	45	4.36	......	1.28	.2	10	14	4	13	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	45.4	+2.1	80	24	14	19	47	4.49	+.60	1.65	.0	10	10	4	17	nw.	Lockmaster
Richwood	Nicholas	2,193	9	42.2	......	75	25	10	18	42	4.85	......	1.53	2.3	13	9	12	10	se.	Cherry River Paper Co.
Robertsburg	Putnam	570	39	......	......	......	......	......	......	......	5.47	+1.52	1.97	.0	7	......	......	......	......	W. R. Collins
Ryan	Roane	700	36	45.4	+2.6	82	25	12	19	49	5.49	+1.13	1.86	T.	12	15	7	9	......	Wm. E. Ryan
Spencer	Roane	789	35	46.2	+3.3	82	24	11	19	47	5.28	+1.21	1.64	.5	11	13	8	10	......	A. M. McKown
Sutton	Braxton	850	33	46.9	+2.7	80	§25	14	19	47	4.80	+.46	1.75	1.0	8	......	......	......	......	C. B. Eakle
Union	Monroe	2,250	35	46.4	+3.0	77	25	13	19	48	2.60	−.95	.95	.0	9	14	11	6	......	C. B. King
Wayne	Wayne	598	12	......	......	......	......	......	......	......	5.34	+.74	2.08	.0	9	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	42.6	.0	79	26	10	19	53	3.30	−.27	1.00	.0	8	16	2	13	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	49.0	+2.3	81	25	23	19	47	4.19	−.35	1.30	T.	10	9	11	11	ne.	J. E. Dotson
State averages and	extremes	......	....	**44.9**	**+2.4**	**87**	**25**	**3**	19	**53**	**4.20**	**+.26**	**2.80**	**0.5**	**10**	**12**	**9**	**10**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for March 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.23				.80	.15					T.	.50	.88			.13		.03	.05									.46		.10	.16	3.49
Brandywine	do					.30	.25					.50	.45			T.															.15		1.65
Brushy Run[2]	do	.37				.48	.19						.66	.24			.02		T.										.02		T.	T.	1.98
Harpers Ferry[2]	do	.62				.39	.10						.10	.67			.10						.01						.22		.13	.47	2.81
Inwood	do					.45						.62				.10							T.						.26		.45		1.88
Kearneysville	do					.32	.03					.25	.15	.18			.09				T.		.01			.02			.32		.47		1.84
Knobly Mountain[2]†	do	.90				.54	T.					.57	.46				.14		T.	T.									.54	T.	.29	.13	3.57
Martinsburg[2]	do	.70				.60	.05						.20	.52					T.	T.			.05						.30		.30		2.72
McNeill	do					.53	T.					.36	.28	.07		T.	.12											.03	.23		.30		1.92
Petersburg	do					.64						.51	.01						T.										.01		.31	T.	1.48
Piedmont	do					.30	.20					.16	.62	.20		.07	.02		T.		.03								.37		.56	T.	2.53
Romney	do					.55						.18	.48	.08			.17		T.										.20		.31		1.97
Spruce Knob[2]†	do	.11				.84	.80					T.	.47	.30			.23	T.	.04	.09									T.		.17	.26	3.31
Stony River Dam[2]†	do	.12				.24						T.	.60																.54		.13		1.63
Wardensville[2]	do	.14	T.			.45	.03						.32	.23			.03			.02									.12		.15	.09	1.58
Northern Division																																	
Aberdeen†	West Fork					1.28	.03					.57	.90	.23		.15	T.	T.	.01	T.									.09	.66	.43	T.	4.35
Alma (near)	Ohio						.86					.65	.37	.21		.17												.43	.30	.06	.58		3.63
Alpena	Cheat					1.25	.45					.89	.33	.29		.28		.20	.15										.28	T.	.49	T.	4.61
Belington[2]	Tygart	.10				1.22	.38	T.				T.	.71	.92	T.		.16	T.	.01	.02	.04		T.					T.	.98	.02	.11	.20	4.87
Benson†	West Fork					1.15						.50	.70	.40		.25		.08										.12	.48		.63		4.31
Bens Run	Ohio					.79	.94					.70	.56	.10		.30		.01	.02										.11	.10	.70	.43	4.76
Brownsville†	West Fork					1.37						.62	.82	.37		.12	.02	.01	.01									.16	.53		.45		4.48
Buckhannon	Tygart					1.42	.15					.70	.70	.28	.25			T.	T.		.11							.25	1.30	.05	.35	T.	5.56
Cairo	Litl.Kanawha					1.25	.11					.48	.59	.39		.20												.26	.66	.65	.02	.22	4.83
Clarksburg[2]	West Fork						.90	.10				T.	.82	.49			.14				.01							T.	.61	T.	.34	.27	3.68
Crawford	do					1.44	.47					.71	.68	.13		.23	T.	T.	T.									.13	.96	.05	.43		5.23
Creston[2]	Litl.Kanawha				T.	1.50	.17						1.04	.50			.20		T.	T.	T							T.	1.16		.25	.33	5.15
Dailey[2]†	Tygart	.12				1.02	.56	T.					.80	.33			.18	T.	.02	.01	T.	T.						T.	.15	T.	.09	.15	3.43
Dam 10, Mon. R.[2]†	Monongahela.	.15				.67	.63					.03	.39	.81			.13			.03						T.		.03	.79		.40	.30	4.36
Dam 13, O. R.[2]†	Ohio					.07	.87						.64	.42			.06									.18		.31	.86		.33	.37	4.11
Dam 15, Mon. R.[2]†	Monongahela	.15				.68	.17					.02	.58	.56			.13			.03	T.							T.	.88		.43	.22	3.85
Dam 19, O. R.[2]†	Ohio					.84	.75					.03	1.25	.30			.13	T.	T.	.01	T.							.12	.63		.39	.33	4.78
Dam 20, O. R.[2]†	do					1.10	.56					T.	1.00	.62			.15		T.									.09	.70		.30	.28	4.80
Elizabeth (Dam 3)[2]	Litl.Kanawha					1.32	.13					T.	.94	.54	T.		.12			T.								T.	.60		.45	.26	4.36
Elk†	West Fork					1.20	.10					.70	.08	.30		.20												.25	.50		.40		3.73
Elkins[1]‡	Tygart				.15	1.29	.31					.82	.54	.10		.20	T.	.08	.05		.03							.26	.05	.08	.21	T.	4.17
Fairmont[2]	Monongahela					.68	.14					.02	.52	.45			.15		T.	.08								T.	.82		.43	.20	3.49
Glenville[2]	Litl.Kanawha					1.56						T.	1.10	1.12			.29		T.	T.	.08							T.	.63	.06	.28	.22	5.34
Grafton	Tygart					.88	.10						1.47	.33			.11	T.	T.	.01									.65	T.	.57	.02	4.14
Hackers Creek†	West Fork					1.15						.65	.40	T.		.15			T.									.21	.29		.45		3.70
Hall[2]	Tygart	.02				1.17	.20	T.					.70	.78			.15	T.	T.		T.								1.33	T.	.07	.24	4.66
Hastings	Ohio					.70	1.39					.37	.48	.48		.25		.02	T.	.02	.01							.24	.53		.85	.08	5.42
Horner	West Fork					1.35						.15	.35			.25	.05												.75	.10	.25		3.25
Ireland	do					1.40	.39					.72	.52	.12		.22		T.	T.	.01									.13	.54		.41	4.46
Jackson's Mill†	do					1.23	.22					.66	.83	.10		.23												.30	.33	.43		.10	4.43
Jane Lew	do					1.22	.08					.69	96	.27		.17	T.	T.										.19	.62	.45		.01	4.66
Lost Creek	do	T.				1.20	T.					.70	.65	.38		.19		T.	T.	T.	T.							.50	.07		.55	.02	4.26
Mannington	Monongahela.					.70	.33					.48	.50	.52		.19		.03	.02	T.	T.							.43	.49	T.	.67	.01	4.37
Midvale[2]†	Tygart	T.				.26	.50						.91	.80			.20	T.	T.	.10	.02								1.05	.04	.08	.28	4.24
Morgantown	Monongahela.					.75	.80					.50	.50	.50		.20	T.	T.	T.									.42	.35	.15	.60	T.	4.77
Mt. Clare	West Fork					.82	.01					.72	.59	.28		.15		T.	T.	.01							T.	.29	.42	.03	.43	T.	3.75
New Cumberland	Ohio					.28	.03					.37	.64	.25		.07		T.										.32	.10	.03	.75		2.84
New Martinsville	do					.62	.42					.48	.18			.17		T.	T.	T.								.60	.18	.72		.12	3.49
Parkersburg[1]‡	do				.23	1.04	.14					1.09	.30			.13		T.	T.	T.							T.	.70	.04	.07	.46	T.	4.20
Parsons	Cheat					*	1.42					*	1.53			.20	T.	T.		.10							T.	*	1.00			.25	4.50
Parsons No. 2	do					1.27	.27					.62	.74	.29		.22			T	.10								.10	.62	.36	T.		4.59
Philippi[2]	Tygart	T.				1.15	.29					T.	.86	1.10			.30		T.	.04	T.								.93	T.	.16	.28	5.11
Pickens	do					1.54	.40					1.22	.50	.23		.32		.20	.10		.06						.02	.08	.53	.12	.32		5.64
Roanoke	West Fork					1.40	.02					.70	1.10	.21		.11												.19	.75		.45		4.93
Rockford†	do					1.19						.83	.93	.18		.20		T.									T.	.38	.60	.04	.41	T.	4.76
Rowlesburg[2]	Cheat	.09				.46	.56					T.	.59	1.71					.06	.22	T.	.02							1.03		.36	.70	5.80
Saint Marys[2]	Ohio					.76	.80					.03	.86	.55			.25		T.	.01	.02							.07	.70	.35	.38		4.78
Salem	West Fork					1.00	.05					.64	.57	.53		.28		T.	T.		T.							.24	.22	T.	.68		4.21
Shinnston	do					.70	.13					.65	.66	.06		.18	T.	T.		.10								.05	.75	T.	.60	T.	3.88
Terra Alta†	Cheat					.20	.85					.90	.85			.43			1.04									1.20		.25	.45		6.17
Thomas[2]	do	.40				.75	.80					T.	.60	.90	T.		.27	T.	.02	.05	T.	T.							.55	T.	.10	.25	4.69
Valley Chapel	West Fork					1.30	.02					.54	.74	.50		.07	.15	T.	T.		.01							.10	.43		.48	.02	4.36
Valley Head[2]	Tygart	.22				.75	1.38	T.					.69	.44	T.		.17	T.	.06	.06		T.				.01		T.	.03	T.	.10	.29	4.20
Vandalia†	West Fork					1.49						.76	.98	.18		.16		.20											1.26		.46		5.49
Wellsburg (near)	Ohio					.38						.50	.38	.72		.10		.05	T.									.40	.17		.78	T.	3.48
West Milford	West Fork					1.09	.05					.42	.90	.37														.30	.36	.30	.32	.05	4.16
Weston[2]	do	.05				1.18	.10						.88	.95			.12		T.	.06	.05							T.	.70		.18	.38	4.65
Wheeling (Dam 12)[2]	Ohio	.02				.40	.17			T.		T.	.40	.61			.13	T.	T.	T.						.05		.07	.69		.35	.36	3.25
Southern Division																																	
Arbovale[2]	Greenbrier					.90	.52					1.20	.12	T.		.12	T.	T.	T.	.05	T.								.05		.42		3.38
Bancroft†	Gr. Kanawha					2.10	.33					.40	2.07	.64		.12		T.	T.									.30		.20	.31	.11	6.58
Beckley	New					.40	.78				T.	1.18	.64	.14		.20		T.	T.	.08	.07					T.	T.	.06	.17	T.	.38		4.10
Bluefield	New				.02	*	.85				.02	.68	*	.22		.06		.20	.01	*	.04								.14		.40		2.64
Camden-on-Gauley[2]	Gauley					.94	.98						1.60	.56			.16			.02	.03	.02							.49	.01	.17	.23	5.21
Charleston[2]	Gr. Kanawha					.30	1.70					.06	1.98	.46			.24	T.	T.	.02	.06								.51	.02	.11	.40	5.86
Clay[2]	Elk					.96	.72						1.37	.42	T.				T.	T.									.56	T.		T.	4.03
Flat Top[2]	New					.12	1.52					.06	.88	.51			.17		T.	T.		T.						T.	.02	.01	.11	.30	3.70
Gary[2]	Big Sandy					.22	1.10					.54	.27	.34		.01	.10			T.	.05							.01	.39	.01	.03	.23	3.30
Greenbottom[2]†	Ohio					2.80	T.					.41	2.40	.53	T.	.12				.04	T.							.09	.62	.01	.72	.07	7.81
Hinton[2]	New	.02	T.			.15	.80					.08	.95	.40			.12			T.									.08		.04	.19	2.83
Hogsett[2]	Ohio					1.80	.30					.09	1.33	.41			.08				T.							.06	.53		.48	.30	5.38
Huntington	do					2.35	.08					2.38	.54	.09		.05		T.	T.		.10						T.	.64	.17	.18	.53		7.11
Institute[2]	Gr. Kanawha					1.66	.85					.04	1.91	.52			.15		T.	T.	.02	.04						T.	.59	T.	.15	.27	6.20
Kanawha Falls[2]†	do					.70	.50					T.	.99	.40			.12			T.	T.								.30		.03	.20	3.24
Kayford[2]	do					1.17	.62					T.	1.17	.37	.16					.01									.32	.06	.05	.31	4.24
Lewisburg	Greenbrier					.16	.44				T.	1.01	.30	T.		.15	.01											T.	.04	T.	.32	T.	2.43
Logan[2]	Guyandot	T.				1.23	.69					.21	1.53	.45			.23		T.	T.								T.	.45	T.	.38	.30	5.47
London Locks[2]†	Gr. Kanawha					.95	1.10					T.	1.40	.53			.17					.07						T.	.92		.02	.45	5.61
Madison[2]	Coal					1.50	.75					.12	.92	.36			.22												.43	.01	.17	.25	4.73
Marlinton	Greenbrier					.64	.79						*	1.73		.09	.08	T.	T.		.05								.01	.02	.53		3.94
Point Pleasant[2]	Ohio	.02				1.77	.32					.24	1.05	.35	.02		.12		.02	.01	T.							.05	.79		.60	.28	5.64
Rainelle	Greenbrier					.98	.84					1.28	.37	.17	T.	.13		T.		.02								.01	.10	T.	.46	T.	4.36
Ravenswood[2]	Ohio	.04				1.65	.25					T.	1.01	.30			.07											.02	.43		.36	.36	4.49

Continued on next page.

Daily Precipitation for March 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood 2	Gauley	....	....	....	....	.75	1.45	....	....	....	....	....	1.53	.44	....	....	.18	....	06	.03	....	.03	....	....	....	....	....	....	.32	.02	.02	.02	4.85
Robertsburg 2	Gr. Kanawha	....	....	....	....	1.97	T.	....	....	....	....	.50	1.22	.56	....	....	.05	....	....	....	....	....	....	....	....	....	T.	.51	....	....	.66	....	5.47
Ryan	.... do	....	....	....	....	1.86	.13	....	....	....	....	1.12	.63	.14	....	.21	....	....	.01	....	T.	....	....	....	....	....	.01	.35	.53	.06	.44	....	5.49
Sharples2	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer 2	Litl.Kanawha	....	....	....	....	1.64	.22	....	....	....	....	....	.88	.60	....	....	.19	....	T.	.05	.02	....	....	....	....	....	....	.03	1.07	....	.25	.33	5.28
Sutton	Elk	....	....	....	....	1.75	.15	....	....	....	....	.80	.40	.40	....	.20	....	T.	T.	....	....	....	....	....	....	....	....	....	.65	....	.45	....	4.80
Thornwood2	Greenbrier	....	....	....	....	.81	....	....	....	....	....	....	.88	.26	T.	....	.11	T.	T.	....	.01	T.	....	....	....	....	....	.03	.25	.23	....	....	2.58
Union	New	....	....	....	....	....	.84	....	....	....	....	.95	....	.23	....	.02	.20	....	....	....	.03	....	....	....	....	....	....	.05	.02	....	.26	....	2.60
Wayne 2	Twelvepole	....	....	....	....	2.08	.59	....	....	....	....	.42	.65	.72	....	....	.10	....	....	....	....	....	....	....	....	....	....	.04	.59	....	....	.15	5.34
White Sulp'r Spgs. 2	Greenbrier	....	....	....	....	.25	1.00	....	....	....	....	.10	.90	.50	....	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	.20	3.30
Williamson 2	Big Sandy	T.	....	....	....	.77	1.30	....	....	....	....	.25	.07	.49	....	....	.26	T.	....	....	....	T.	....	....	....	....	....	.03	.34	....	.38	.30	4.19
Winfield Locks2†	Gr. Kanawha	.02	....	....	....	1.67	.73	....	....	....	....	T.	2.26	.57	....	....	.12	....	T.	.01	.03	....	....	....	....	....	....	T.	.36	....	.24	.30	6.31

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Bancroft, Winfield; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Clarksburg; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. (||||) Incomplete.

Daily Temperatures for March 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard 3	Maximum	37	40	54	60	66	55	40	52	56	50	38	36	37	58	57	30	30	26	45	45	43	46	65	75	75	75	77	40	43	52	36	49.6
	Minimum	27	17	8	9	27	40	20	10	10	25	26	25	26	22	23	20	15	11	5	14	12	18	19	20	45	45	45	35	22	30	27	22.5
Beckley	Maximum	65	44	52	60	68	65	49	64	65	61	48	62	52	67	64	45	36	33	48	56	55	59	72	74	74	70	69	57	52	51	49	57.6
	Minimum	18	21	17	30	43	42	21	24	38	25	37	37	25	21	41	22	19	18	7	34	21	41	24	42	48	45	47	36	28	39	29	30.3
Bluefield	Maximum	62	45	50	53	70	62	50	59	67	62	47	67	50	66	62	51	39	37	48	49	55	63	72	75	73	75	72	60	50	61	57	58.4
	Minimum	33	28	27	35	45	47	26	32	44	34	41	43	31	30	59	27	24	22	17	40	32	43	35	47	48	50	50	40	37	44	34	36.6
Brandywine	Maximum	50	42	45	60	72	65	55	57	65	58	54	50	51	65	57	58	58	37	45	50	55	60	75	78	79	80	78	62	50	62	52	58.9
	Minimum	35	28	18	27	42	43	25	29	37	25	38	37	33	25	39	34	25	18	11	25	20	30	24	27	44	42	48	44	27	44	35	31.6
Buckhannon	Maximum	44	40	54	64	65	66	56	[illegible]	65	60	52	71	58	63	61	44	40	32	41	56	58	56	66	76	77	77	70	51	59	59	51	57.8
	Minimum	35	24	24	40	42	45	31	30	28	32	42	46	31	27	44	30	26	21	9	36	21	29	26	25	45	49	49	39	29	30	35	32.9
Cairo	Maximum	46	53	62	66	70	60	58	66	65	60	62	62	66	70	50	43	43	40	58	62	56	72	80	83	82	75	48	57	58	55	52	60.6
	Minimum	20	16	27	46	48	28	21	36	28	40	45	32	26	37	30	25	18	10	32	20	37	24	31	40	42	47	37	30	44	36	35	31.9
Charleston 3	Maximum	66	46	59	65	74	59	52	67	62	56	61	65	55	71	67	45	41	38	58	64	55	64	76	82	82	72	63	43	61	58	55	60.7
	Minimum	35	24	23	24	35	35	29	30	32	31	31	29	32	30	37	30	27	25	23	34	28	31	31	40	41	42	39	37	33	38	36	32.0
Clarksburg 3	Maximum	43	42	46	62	67	53	45	55	63	55	52	64	47	66	62	41	34	31	48	55	45	54	68	79	79	78	68	44	57	59	43	55.1
	Minimum	35	24	17	18	29	47	30	22	23	32	35	42	32	26	27	30	27	19	8	12	20	24	23	25	35	45	49	40	30	30	36	28.8
Elkins	Maximum	43	42	55	64	68	60	43	60	61	54	48	66	42	65	61	42	31	26	43	53	51	53	65	75	76	77	70	49	61	56	42	54.9
	Minimum	28	23	17	35	44	33	27	20	38	33	43	31	29	28	42	27	23	17	8	28	19	31	25	32	51	53	49	34	32	36	33	31.2
Fairmont 3	Maximum	44	46	58	65	71	52	48	58	63	55	53	61	49	66	63	41	36	38	48	60	50	56	71	80	81	79	67	43	58	59	43	56.8
	Minimum	36	23	20	23	40	47	30	20	21	30	34	45	31	27	32	30	26	19	11	15	21	26	26	34	45	53	56	39	29	33	37	30.9
Flat Top	Maximum	54	41	45	55	62	64	40	51	61	50	44	52	45	60	55	40	32	28	44	50	48	57	62	70	70	66	60	56	43	57	43	51.8
	Minimum	29	23	21	30	45	38	21	31	38	28	36	40	26	33	37	23	19	18	11	35	24	41	34	50	55	52	51	36	30	40	29	33.0
Gary 3	Maximum	48	46	56	68	73	59	51	68	69	51	64	69	50	72	64	43	43	37	52	56	58	65	74	77	78	75	69	46	61	65	54	60.0
	Minimum	36	32	20	22	37	50	29	29	34	31	33	42	35	27	29	33	22	25	18	33	27	28	29	32	38	39	45	43	35	45	39	32.6
Glenville	Maximum	72	47	56	55	67	66	50	60	63	58	57	64	55	71	70	51	42	37	43	68	59	58	73	80	81	80	64	54	59	58	48	60.3
	Minimum	36	23	17	27	46	48	30	21	38	39	38	44	32	26	43	30	19	20	10	36	19	40	24	29	44	43	52	38	30	47	36	33.1
Grafton	Maximum	71	48	56	63	69	70	54	61	[illegible]	64	57	66	52	68	79	55	42	35	39	55	60	53	69	81	82	82	80	57	61	63	55	61.5
	Minimum	36	23	18	28	44	51	30	20	36	31	42	44	32	26	44	30	27	21	9	33	19	41	25	32	41	47	53	39	29	49	36	33.4
Huntington	Maximum	63	46	60	58	74	72	56	64	70	60	55	66	56	72	66	49	43	37	50	64	58	64	78	83	86	74	70	47	53	57	56	61.5
	Minimum	37	26	23	36	49	46	32	31	47	33	44	50	36	33	47	32	30	25	15	44	28	39	31	41	43	48	45	38	34	44	39	37.1
Lewisburg	Maximum	58	46	53	60	70	66	49	58	67	57	47	59	51	66	61	51	38	35	47	57	56	61	72	77	77	76	65	60	46	65	52	58.2
	Minimum	33	30	19	31	45	45	25	29	33	29	39	38	31	29	48	25	24	21	14	35	25	43	31	46	49	47	51	43	33	42	35	34.6
Logan 3	Maximum	48	49	60	64	75	58	56	70	72	55	62	56	56	75	66	47	45	37	55	63	61	67	79	82	82	74	62	45	59	60	57	61.2
	Minimum	37	32	25	26	47	51	30	30	36	35	37	47	36	32	34	34	30	30	22	24	31	32	33	35	42	44	52	43	38	39	41	35.7
Madison3	Maximum	47	48	57	65	73	57	54	67	70	52	62	63	55	72	66	45	42	37	55	60	58	65	78	82	81	75	61	43	58	61	56	60.2
	Minimum	37	30	24	25	45	49	29	32	42	35	38	46	36	30	40	32	31	27	20	25	29	36	31	33	42	42	51	41	36	40	39	35.3
Mannington	Maximum	69	40	52	61	65	65	44	53	63	51	50	61	56	61	60	49	37	32	39	58	55	50	66	78	78	77	66	45	55	57	45	56.1
	Minimum	35	20	15	25	45	40	30	18	32	29	37	45	31	25	36	30	23	18	9	31	18	38	22	29	44	42	44	37	27	44	37	30.8
Marlinton	Maximum	51	44	51	61	66	65	48	57	67	60	46	53	44	65	59	51	36	34	45	51	50	58	70	75	75	86	75	76	64	62	68	58.5
	Minimum	29	23	11	23	38	23	23	25	27	22	38	34	30	25	34	29	24	16	10	31	22	39	26	33	36	35	46	45	29	39	39	29.2
Martinsburg 3	Maximum	48	43	51	60	66	64	51	45	70	52	33	43	48	55	58	52	42	40	43	66	51	50	63	83	86	86	66	62	52	60	48	56.0
	Minimum	36	30	25	24	32	44	34	23	25	31	32	28	30	32	34	40	30	25	17	22	24	25	25	25	33	54	45	34	32	32	40	31.1
Morgantown	Maximum	60	48	55	68	69	65	42	51	60	50	46	61	48	62	62	49	33	30	37	56	46	48	68	76	79	78	69	42	51	49	46	55.0
	Minimum	30	20	20	34	46	37	27	17	43	30	34	49	28	27	33	25	20	17	7	30	17	30	25	33	58	54	42	35	28	46	35	31.3
New Martinsville	Maximum	40	44	55	60	66	64	50	55	55	56	48	62	55	60	58	44	33	34	40	55	48	45	68	78	80	75	60	48	52	55	45	54.5
	Minimum	34	22	23	30	47	48	32	22	35	30	28	40	30	25	35	32	23	15	8	27	20	24	20	30	40	45	42	34	28	38	32	30.3
Parkersburg	Maximum	43	42	56	60	68	58	46	59	61	54	51	64	50	67	60	41	36	30	45	58	50	53	72	81	81	76	63	45	53	58	47	55.7
	Minimum	28	24	23	40	47	34	30	26	39	32	42	34	32	32	38	29	26	21	16	33	26	38	30	41	52	57	40	36	31	40	36	34.0
Pickens	Maximum	56	46	54	61	69	54	57	54	59	55	50	60	39	64	55	42	41	28	41	50	50	47	66	65	75	74	71	54	57	52	54	54.8
	Minimum	30	20	18	33	45	35	39	33	25	30	37	39	24	25	39	27	19	18	5	34	11	31	25	34	46	44	41	35	27	34	40	30.4
Point Pleasant	Maximum	48	46	58	60	71	69	57	63	67	61	53	65	56	73	71	52	43	37	48	63	60	62	77	83	83	74	68	48	53	54	55	60.6
	Minimum	36	23	22	32	48	47	32	27	43	30	43	47	34	30	47	30	29	23	16	40	26	41	29	39	46	45	45	37	31	45	38	35.5
Rainelle	Maximum	58	43	45	47	66	63	47	57	63	59	47	55	50	63	63	48	37	37	48	55	53	57	60	74	75	72	65	58	45	58	48	55.4
	Minimum	31	26	16	28	31	44	24	27	27	30	39	35	28	23	43	27	20	20	6	27	20	35	23	29	33	32	45	38	29	41	32	29.3
Richwood 3	Maximum	42	43	52	61	66	56	46	60	63	57	61	63	44	48	57	38	33	30	48	54	50	56	69	74	75	73	66	58	51	59	48	51.9
	Minimum	26	22	22	40	48	26	25	38	31	31	40	29	26	27	28	23	20	10	12	22	24	26	27	34	39	41	42	31	34	33	36	29.5
Romney	Maximum	56	40	54	65	74	68	48	50	67	61	53	34	46	62	64	51	39	32	43	59	58	53	69	80	81	82	78	55	50	64	61	58.0
	Minimum	38	29	17	22	42	47	33	20	28	34	31	31	33	31	37	34	30	23	13	29	19	39	26	32	52	51	52	39	30	41	39	33.0
Spencer 3	Maximum	45	44	58	61	70	57	50	63	66	57	61	62	52	71	63	43	38	35	52	60	53	59	73	82	81	78	63	42	59	56	50	58.2
	Minimum	36	24	19	37	41	51	29	26	45	26	40	48	32	27	40	31	25	19	11	40	22	36	26	36	47	48	50	37	32	40	37	34.1
Sutton	Maximum	72	45	58	64	65	65	50	62	62	62	56	57	57	72	72	50	40	35	44	58	58	57	72	79	80	80	73	60	62	62	50	60.6
	Minimum	36	26	18	31	30	40	29	26	39	31	40	42	32	27	37	31	28	23	14	38	23	40	25	32	44	42	50	40	35	43	36	33.2
Wardensville 3	Maximum	41	42	51	62	74	60	49	62	67	56	35	39	48	60	54	43	40	36	53	59	52	59	68	81	80	81	75	53	50	65	51	56.3
	Minimum	38	29	17	31	42	47	32	21	22	28	34	30	32	28	42	34	24	17	7	24	20	30	22	30	43	48	48	39	28	37	39	31.1
Weston	Maximum	44	43	58	65	70	68	53	58	66	64	56	68	56	67	65	55	38	32	42	58	56	57	70	80	82	79	70	54	60	58	55	59.6
	Minimum	36	27	19	30	47	52	30	23	53	31	40	47	42	28	48	31	28	21	11	39	33	43	26	33	46	49	53	40	30	49	36	36.2
Wheeling3	Maximum	37	45	53	60	65	48	41	60	56	47	51	62	49	61	58	40	34	32	49	56	48	48	68	80	78	75	44	50	52	55	47	53.2
	Minimum	35	22	22	23	35	45	31	21	23	32	33	37	32	29	31	30	23	20	12	25	21	23	26	28	38	49	43	35	29	31	37	29.7
Williamson3	Maximum	50	50	57	59	74	57	58	71	72	54	70	65	59	76	64	48	46	38	56	62	64	68	80	81	78	72	64	47	62	60	60	62.0
	Minimum	38	32	26	27	46	51	30	31	36	38	38	49	37	33	33	33	31	30	23	25	32	33	33	35	43	44	47	44	37	40	42	36.0

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 4-28-39—900)

E

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., APRIL 1939 No. 4

GENERAL SUMMARY

The month was cold and wet. The first half was consistently cold, with frequent frosts, except for a brief warm spell on the 10-11th, while there were also two cold periods, with frost, during the second half. The warm spells were infrequent and of short duration. It was the third wettest April of record and the wettest since 1927. The only sections reporting deficiencies in precipitation were Hancock County and the southern Counties from Mingo and McDowell eastward into Greenbrier. Measureable snow was confined to the high-level stations and was somewhat below normal. Heavy to excessive rains fell during the period 14-17th and scatteringly on the 18th, causing rapid rises in the rivers in the western half of the State, with flood stages occurring in the Elk and Little Kanawha basins, the Tygart basin below the Dam and the Ohio basin at and below Point Pleasant. The Little Kanawha at Creston was the highest of record, cresting at 33.2 feet, or 1.2 feet above the previous record.

The weather was generally unfavorable for germination and farm work, except in the eastern border Counties. Small fruits were damaged considerably and apples and peaches were damaged less seriously by the frosts. Progress of grains and grasses were hindered.

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TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 49.9°, or 1.8° below the normal. The mean for the northeastern panhandle division was 48.7°; for the northern division, 48.9°; and for the southern division, 51.3°. The highest monthly mean was 55.2° at Williamson and the lowest, 39.9° at Bayard. The highest temperature was 92° at Hinton on the 24th and the lowest, 12° at Bayard on the 8th. The greatest daily range was 60° at Beckley on the 5th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 5.36 inches, or 1.81 inches above the normal. In the northeastern panhandle division the average was 3.91 inches; in the northern division, 6.03 inches; and in the southern division, 4.85 inches. The greatest monthly precipitation was 8.81 inches at Greenbottom and the least, 1.59 inches at Union. The greatest amount in any 24 consecutive hours was 4.30 inches at Greenbottom on the 16th. The average snowfall was 0.8 inch, or 1.0 inch below normal. The greatest monthly snowfall was 6.7 inches at Pickens. The average number of days with .01 or more of precipitation was 15.

ERRATA

March 1939, Page 9: Average precipitation for the State should read 4.20 inches; for the northern division 4.43 inches.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1									1	1					2	3	2								1					
Gales	1	3	7	6	1			1	2	6	4	9	4	1	1	2	1	1			2								1	8	
Hail	3		1															3	1		1								2	1	
Halos, lunar			1																									1			
Halos, solar					2		1							1							1				2		1	1			
Sleet																															
Thunderstorms	3	2									1			2	13	2	1	8	4				1			2	1	1			
Killing frost		2	1	8	11	1	1	13	5			1	8	9							1		6						1	1	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.98	30.61	13	29.55	1	9.4	32	sw.	10	73	54	57	50
Columbus, Ohio	29.97	30.58	13	29.52	1	11.6	40	sw.	21	75	57	57	51
Elkins	29.99	30.57	13	29.54	1	8.0	31	nw.	30	79	52	57	39
Parkersburg	29.97	30.58	13	29.51	1	7.8	28	w.	30	77	52	54	49
Pittsburgh, Pa	29.97	30.51	13	29.50	1	12.7	38	nw.	12	78	59	61	42
Wytheville, Va	29.99	30.53	13	29.53	1	8.5	26	w.	30	72	49	55	55

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0			1.64	3.08	2.50	2.81					
1892	50.6	87	17	3.16	4.31	4.83	4.28		7			
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93		9	11	9	10
1896	57.7	95	12	1.56	2.20	2.06	2.06		8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97		9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14		11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	1.35	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	7.05	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	45.6	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	101	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	101	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	.8	15	9	10	11
Period	51.7	101	−4	3.10	3.72	3.49	3.55	1.8	11	11	8	11

Climatological Data for April 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	39.9	−3.8	75	25	12	8	48	5.46	+1.62	1.02	2.0	18	12	6	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	50.3	+.4	87	25	20	§5	51	3.25	+.58	1.60	T.	9	16	0	14	s.	E. L. Keister
Harpers Ferry	Jefferson	400	50	....	....	....	....	....	....	....	3.90	+.65	.80	.0	17	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	7	50.0	....	85	§24	24	5	40	4.84	....	1.00	.0	12	8	13	9	e.	H. W. Prettyman
Kearneysville	Jefferson	548	9	50.3	....	87	25	26	8	37	3.68	....	.80	.0	14	8	18	4	nw.	University Exper. Station
Martinsburg	Berkeley	435	47	51.8	+.2	90	§24	29	§5	48	4.23	+1.12	.85	T.	12	16	11	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	48.8	−3.0	88	24	16	§5	58	3.67	+.71	1.43	T.	12	7	11	12	w.	R. E. Saville
Piedmont	Mineral	1,053	26	49.2	−1.2	87	25	23	8	39	5.26	+2.25	1.20	T.	15	7	11	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	45.4	−6.3	87	25	23	8	47	3.51	+.54	1.19	T.	10	4	16	10	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	....	....	....	....	....	....	....	5.56	....	1.42	5.5	17	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	19	....	....	....	....	....	....	....	4.44	+.69	1.31	5.0	11	4	9	17	w.	A. C. Becker
Wardensville	Hardy	1,200	18	49.4	−.2	86	25	20	14	46	2.43	−.08	.77	.0	10	9	11	10	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	....	....	....	....	....	....	....	6.35	+2.55	1.80	.5	15	3	16	11	....	L. Esle Bond
Alma (near)	Tyler	800	12	....	....	....	....	....	....	....	6.02	+2.65	1.44	.0	15	5	8	17	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	45.0	....	83	25	15	8	48	8.10	....	2.24	4.5	17	8	8	14	....	Christian Hertig
Benson	Harrison	1,080	15	49.2	−3.4	90	25	18	§5	51	6.08	+2.87	1.75	T.	16	5	19	6	....	R. D. Marts
Bens Run	Pleasants	652	37	50.5	−2.3	83	24	27	§5	42	6.54	+2.98	1.64	.0	16	19	3	8	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	52.0	−.3	87	25	21	§5	49	5.55	+2.19	1.90	.0	13	2	23	5	....	M. D. Hawkins
Buckhannon	Upshur	1,411	42	48.8	−2.3	82	25	23	§6	46	6.53	+2.64	2.00	T.	14	9	16	5	....	H. A. Darnall
Cairo	Ritchie	680	38	51.0	−3.0	87	25	20	7	48	5.99	+2.53	1.47	.2	16	6	18	6	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	48.8	−2.4	88	25	21	8	47	5.50	+2.13	1.10	T.	15	8	7	15	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	....	....	....	....	....	....	....	6.81	+2.58	2.54	.5	20	5	12	13	sw.	George W. Blair
Creston	Wirt	640	37	48.4	−5.0	85	25	20	§5	44	7.17	+3.51	1.80	T.	16	5	11	14	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	....	....	....	....	....	....	....	5.45	+1.98	.96	T.	17	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	23	....	....	....	....	....	....	....	3.88	+.56	1.09	T.	15	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	18	....	....	....	....	....	....	....	5.81	+2.52	1.00	T.	16	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	23	....	....	....	....	....	....	....	5.91	+2.73	1.10	T.	14	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	23	....	....	....	....	....	....	....	7.20	+3.96	1.53	.0	14	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	....	....	....	....	....	....	....	5.86	+2.69	1.35	.0	16	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	38	47.0	−1.8	82	25	21	8	46	6.53	+2.91	2.11	1.7	20	4	9	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	50.5	−1.3	86	24	23	8	48	5.34	+2.07	.86	.2	15	6	14	10	w.	J. C. Robinson
Glenville	Gilmer	738	45	51.0	−2.9	84	24	21	8	49	7.20	+3.44	1.98	T.	16	4	14	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	51.0	−.5	88	26	22	§5	45	5.57	+2.28	1.16	.2	17	9	8	13	....	L. W. Clayton
Hastings	Wetzel	809	4	....	....	....	....	....	....	....	6.36	....	1.06	T	19	10	11	9	w.	L. G. McIntyre
Horner	Lewis	1,044	16	....	....	....	....	....	....	....	6.02	+2.66	2.07	.0	10	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	16	....	....	....	....	....	....	....	5.61	+1.96	1.84	T.	17	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	49.2	−1.4	86	25	18	8	46	5.98	+2.56	1.46	.2	13	5	12	13	w.	Allen Smith
Mannington	Marion	974	36	48.4	−2.7	83	25	19	8	43	6.83	+3.13	1.26	.8	16	6	10	14	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	47.2	−4.5	82	24	22	8	46	5.86	+2.71	1.25	T.	15	12	6	12	....	Bruce Davis
New Cumberland	Hancock	671	41	48.6	−.6	86	25	22	5	42	3.09	−.19	.75	1.8	17	9	1	20	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	48.2	−4.9	84	24	20	8	48	5.56	+2.06	1.15	.5	10	7	12	11	n.	Wm. Ankrom
Parkersburg	Wood	615	52	50.9	−2.5	85	25	27	8	40	5.86	+2.67	1.52	.1	19	6	12	12	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	48.5	−.7	85	25	22	§5	48	6.93	+3.17	1.87	1.5	11	8	8	14	....	J. W. Swisher
Philippi	Barbour	1,300	42	....	....	....	....	....	....	....	6.16	+2.44	1.15	.2	17	....	....	....	....	H. F. Brittingham
Pickens	Randolph	2,697	36	45.6	−2.5	82	25	15	9	40	6.98	+1.79	2.25	6.7	15	14	5	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	....	....	....	....	....	....		6.30	+2.72	2.30	.1	18	6	5	19	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	....	....	....	....	....	....	....	5.85	+1.67	1.16	1.5	16	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	577	31	....	....	....	....	....	....	....	6.52	+3.10	1.24	.0	14	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	38	44 2	−2.6	79	25	14	8	42	6.86	+2.76	2.30	2.5	17	9	7	14	w.	John Dee Williston
Thomas	Tucker	3,000	10	....	....	....	....	....	....	....	6.44	....	1.37	4.0	18	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	16	51.8	−1.3	90	25	21	§5	49	5.76	+2.35	1.81	.0	15	8	12	10	w.	S. A. Spence
Vandalia	Lewis	1,120	16	....	....	....	....	....	....	....	6.49	+2.79	2.30	.0	13	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	32	47.2	−2.4	80	24	19	5	47	3.46	+.30	.94	T.	13	11	8	11	....	George P. Pfister
West Milford	Harrison	979	14	....	....	....	....	....	....	....	6.19	+2.37	1.65	.0	16	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	44	51.6	−1.2	87	25	24	§5	49	5.98	+2.47	1.16	T.	17	5	10	15	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	47.8	−3.8	82	25	25	5	44	3.90	+.67	.65	.8	15	7	12	11	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	....	....	....	....	....	....	....	3.99	+.77	1.35	1.0	14	7	13	10	w.	H. S. Sutton
Bancroft	Putnam	574	35	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Fred D. Smith
Beckley	Raleigh	2,440	36	48.0	−2.2	81	24	15	5	60	3.46	−.02	.64	1.5	17	7	15	8	....	L. A. Mauck
Bluefield	Mercer	2,558	44	51.6	−2.0	80	24	22	9	42	2.09	−1.02	.28	.0	13	13	7	10	....	Norfolk & Western Ry.
Charleston	Kanawha	602	36	52.8	−3.5	86	§25	24	8	50	5.50	+1.63	1.72	.5	14	15	2	13	....	Charleston Daily Mail
Clay	Clay	790	23	....	....	....	....	....	....	....	6.27	+2.83	2.80	T.	18	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	1	47.2	....	77	24	18	13	37	2.36	....	.47	2.0	14	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	23	51.5	−1.9	84	24	23	5	48	2.65	−.84	.43	T.	16	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	51.1	....	81	25	24	13	41	8.81	....	4.30	T.	12	11	9	10	sw.	State Forest Nursery
Hinton	Summers	1,431	42	52.4	−.8	92	24	24	§5	51	1.61	−1.59	.31	T.	12	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	23	....	....	....	....	....	....	....	6.37	+3.10	2.30	.0	15	....	....	....	....	Lockmaster
Huntington	Cabell	571	42	54.8	+.2	87	24	27	8	45	7.97	+4.46	3.14	T.	12	8	14	8	nw.	H. N. Robinson
Institute	Kanawha	616	1	53.6	....	87	24	25	8	45	6.02	....	2.35	T.	16	....	....	....	....	Civil Aeronautics Authori
Kanawha Falls	Fayette	618	20	....	....	....	....	....	....	....	3.25	−.47	1.60	.0	10	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	....	....	....	....	....	....	....	4.04	−.02	1.40	1.0	16	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	49.8	−.7	82	§24	23	9	44	1.83	−1.49	.35	.1	16	8	9	13	....	J. K. Monroe
Logan	Logan	700	36	54.0	....	89	24	26	8	51	2.84	−1.31	.40	T.	14	12	6	12	....	Paul A. Simonds
London Locks	Kanawha	623	3	53.0	....	87	24	25	8	52	4.59	....	1.62	T.	13	10	0	20	w.	Lockmaster
Madison	Boone	675	18	53.8	−.5	87	24	25	9	48	4.43	+.59	1.83	.0	12	7	15	8	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	48.8	+2.0	84	25	20	9	57	3.73	+.11	1.46	T	14	11	4	15	sw.	U. S. Forest Service
Point Pleasant	Mason	595	46	53.6	−1.3	86	24	27	§5	44	7.20	+3.89	2.23	.0	17	10	11	9	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	46.8	....	81	24	15	9	53	3.88	....	.60	2.5	19	9	5	16	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	52.2	−1.6	86	24	25	5	47	6.37	+3.21	2.10	.0	13	15	4	11	nw.	Lockmaster
Richwood	Nicholas	2,193	9	47.2	....	83	25	20	§8	50	5.90	....	2.00	2.5	23	8	9	13	nw.	Cherry River Paper Co.
Robertsburg	Putnam	570	39	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	W. R. Collins
Ryan	Roane	700	36	51.1	−.9	85	§24	20	8	50	8.36	+4.58	3.50	.5	18	11	12	7	....	Wm. E. Ryan
Spencer	Roane	789	35	51.2	−1.6	88	25	23	§5	44	7.49	+4.10	2.52	T.	18	5	10	15	....	A. M. McKown
Sutton	Braxton	850	33	51.4	−1.4	85	§24	21	8	50	6.35	+2.50	2.62	1.0	10	....	....	....	....	C. B. Eakle
Union	Monroe	2,250	35	51.0	−.8	84	25	17	5	49	1.59	−1.30	.41	.0	9	11	6	13	....	C. B. King
Wayne	Wayne	598	12	....	....	....	....	....	....	....	5.95	+2.29	1.97	.1	15	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	49.6	−1.8	87	24	20	14	59	3.35	+.07	1.05	.0	11	12	5	13	....	White Sulphur Spgs., inc
Williamson	Mingo	673	39	55.2	−.3	90	24	27	8	47	3.05	−.63	.49	.0	16	10	10	10	ne.	J. E. Dotson
State averages and	extremes	....	....	**49.9**	**−1.8**	**92**	**24**	**12**	**8**	**60**	**5.36**	**+1.81**	**4.30**	**0.8**	**15**	**9**	**10**	**11**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for April 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard ²	Potomac	....	.36	.03	....	....	.18	.45	....	.14	.24	....	.25	.09	....	.55	1.02	.68	.18	.16	....	....	.23	....	....	....	....	.49	.21	.15	.05	....	5.46
Brandywine	do	.10	....	....	....	....	.20	....	....	....	....	.20	....	T.	....	....	1.60	.15	....	T.	....	....	....	....	....	....	.30	.10	....	.35	.25	....	3.25
Brushy Run ²	do	....	.08	.04	....	....	T.	.11	....	....	T.	....	.13	....	....	.27	1.12	.44	.09	T.	....	....	.05	....	....	....	.16	.03	.10	.19	.13	....	2.94
Harpers Ferry ²	do	....	.06	....	....	....	.03	.25	....	.01	.07	....	.53	....	....	T.	.36	.80	.54	.02	.05	....	.20	....	....	....	.19	.30	.05	.25	.19	....	3.90
Inwood	do	.15	....	....	....	....	.40	....	....	....	T.	.52	....	....	....	1.00	.85	.10	....	.05	....	....	....	.01	....	....	.77	.22	....	.65	.12	....	4.84
Kearneysville	do	.03	....	....	....	....	.28	....	....	....	.07	.15	.20	....	....	....	.76	.80	.03	.04	....	....	.10	....	....	....	.61	.06	....	.48	.07	....	3.68
Knobly Mountain ²†	do	....	.18	....	T.	....	T.	.50	T.	T.	....	.15	.22	T.	....	.02	.70	.90	.40	.20	....	....	.08	....	....	....	T.	T.	.08	.32	T.	....	3.75
Martinsburg ²	do	....	T.	....	....	....	.05	.45	....	T.	.10	....	.35	T.	....	T.	.40	.85	.75	T.	T.	....	.18	....	....	....	.10	.40	T.	.40	.20	....	4.23
McNeill	do	.11	....	....	....	....	.41	....	T.	T.	T.	.30	.07	....	....	T.	1.43	.05	T.	.28	....	T.	.07	....	....	....	.32	.10	....	.43	.10	....	3.67
Petersburg	do	.03	....	....	....	T.	.25	....	....	....	....	....	....	....	....	.34	1.09	....	....	....	....	....	....	....	....	....	.15	.17	.41	.15	.15	....	2.74
Piedmont	do	.29	T.	....	....	....	.70	....	....	.28	.28	.01	.07	T.	....	.07	1.20	.83	.54	.19	....	T.	....	....	....	....	.03	.02	....	.39	.36	....	5.26
Romney	do	.10	....	....	....	....	.45	T.	....	....	....	.20	T.	....	....	....	1.19	.26	....	.63	....	....	....	....	....	....	.12	.04	....	.40	.12	....	3.51
Spruce Knob ²†	do	....	.19	.07	....	....	.17	.38	....	.04	.22	....	.37	.06	T.	1.02	1.42	.44	.29	T.	....	....	.17	....	....	....	T.	.21	.18	.09	.24	....	5.56
Stony River Dam ² †	do	T.	....	.10	....	....	....	.80	....	.20	....	....	.30	.10	....	.61	1.31	.65	.12	.15	....	....	....	....	....	....	....	....	....	....	.10	....	4.44
Wardensville ²	do	....	.03	....	....	....	T.	.08	....	.06	.08	T.	.41	....	....	....	.77	.65	....	....	....	....	.09	....	....	....	....	....	.01	.25	....	....	2.43
Northern Division																																	
Aberdeen†	West Fork	.25	.32	.05	....	....	1.06	.03	....	.13	....	.52	.32	T.	T.	.96	1.80	.08	.07	T.	....	T.	T.	....	....	....	.20	.46	....	....	.10	....	6.35
Alma (near)	Ohio	.25	....	....	....	....	.95	....	.06	....	.16	.55	.13	....	.01	1.44	.92	.10	.10	.01	....	....	....	....	....	....	.30	1.00	....	....	.04	....	6.02
Alpena	Cheat	.17	.35	.10	....	....	.68	.05	....	.30	.11	T.	T.	T.	T.	2.00	2.24	.32	.05	.07	....	.07	....	....	....	....	.63	.24	....	.27	.45	....	8.10
Belington ²	Tygart	T.	.40	.07	....	....	.18	.51	.01	.16	.10	.01	.47	T.	T.	.68	1.17	1.00	.14	.05	T.	....	.13	....	....	....	.19	.13	.25	.04	.06	....	5.75
Benson †	West Fork	.30	.20	.05	....	....	.90	.02	....	.10	.16	.35	.45	....	....	1.02	1.75	.05	....	.10	....	....	....	....	....	....	.25	.28	....	....	.10	....	6.08
Bens Run	Ohio	.39	....	....	....	....	1.09	.02	.05	....	.43	.41	.18	....	....	1.64	.92	.03	.25	.06	....	.04	....	....	....	....	.30	.71	....	....	.02	....	6.54
Brownsville †	West Fork	.44	....	....	....	....	.84	....	.08	.01	.23	.32	.02	....	....	1.29	1.90	.01	....	....	....	....	....	....	....	....	.23	.11	....	....	.07	....	5.55
Buckhannon	Tygart	.42	.10	.10	....	....	.90	.10	....	....	.28	.50	.10	T.	T.	1.10	2.00	T.	T.	T.	....	....	....	....	....	....	.40	.30	....	.04	.19	....	6.53
Cairo	Litl.Kanawha	....	.06	....	....	....	1.13	.02	....	.12	.14	.25	.39	....	.08	1.26	1.47	.27	.25	.05	....	.04	....	....	....	....	.21	.25	....	....	....	....	5.99
Clarksburg ²	West Fork	....	.34	.01	....	....	.40	.40	....	.05	.17	.05	.68	....	....	.82	1.10	.86	.02	T.	....	....	....	....	....	....	.11	.37	.12	....	....	....	5.50
Crawford	do	.51	.08	.06	....	....	.79	.04	....	.09	.14	.46	.15	....	.21	.96	2.54	.02	.06	.02	....	.04	....	....	....	....	.32	.18	....	.02	.12	....	6.81
Creston ²	Litl.Kanawha	....	.58	....	....	....	.45	.50	....	.15	.05	.12	.57	T.	.40	.75	1.80	.87	.28	.10	T.	....	.05	....	....	....	.06	.44	T.	T.	....	....	7.17
Dailey ²†	Tygart	T.	.27	.11	T.	....	T.	.35	T.	.11	.06	....	.37	T.	T.	.72	1.41	.62	.09	.10	T.	....	.15	....	....	....	.40	.24	.15	.02	.05	....	5.22
Dam 10, Mon. R. ²†	Monongahela	....	.45	....	....	....	.17	.92	T.	.05	.38	.01	.76	....	....	.31	.65	.96	.07	.09	T.	....	.02	....	....	....	.06	.25	.22	.08	....	....	5.45
Dam 13, O. R. ²†	Ohio	.02	.17	....	....	....	.20	.58	....	T.	.42	.07	.25	.02	....	.22	.49	1.09	.10	.15	....	....	....	....	....	....	.04	.06	....	....	....	....	3.88
Dam 15, Mon. R. ²†	Monongahela	....	.46	....	....	....	.20	.70	T.	.07	.50	.02	.72	T.	....	.35	.81	1.00	T.	.02	....	....	.02	....	....	....	.10	.54	.25	.05	T.	....	5.81
Dam 19, O. R. ²†	Ohio	.02	.12	....	....	....	.66	.45	....	.04	.15	.10	.25	....	....	1.10	.98	.85	.40	T.	....	....	....	....	....	....	.13	.66	....	....	....	....	5.91
Dam 20, O. R. ²†	do	.05	.15	....	....	....	.60	.70	....	.08	.10	.12	.36	T.	....	1.08	1.53	.86	.42	T.	....	T.	T.	....	....	....	.10	1.05	....	....	....	....	7.20
Elizabeth (Dam 3) ²	Litl.Kanawha	....	.31	....	....	....	.66	.40	T.	.12	.08	.12	.40	....	..	1.08	1.35	.45	.36	....	.02	....	.04	....	....	....	.04	.41	.02	....	....	....	5.86
Elk †	West Fork	.43	....	....	....	....	1.06	....	.13	.15	....	.70	.10	....	.06	1.10	1.60	.07	.06	....	....	....	.10	....	....	....	.30	....	....	....	.50	....	6.36
Elkins ¹ ‡	Tygart	.38	T.	.13	....	....	.64	.02	.18	.06	.01	.53	.06	T.	.05	1.16	1.62	.06	.05	T	....	.11	....	....	....	.19	.26	.42	....	.23	.37	...	6.53
Fairmont ²	Monongahela	.45	....	....	....	....	.40	.51	T.	.05	.50	.03	.74	T.	....	.47	.64	.86	.06	.01	....	T.	....	....	....	....	.45	.13	.04	....	....	....	5.34
Glenville ²	Litl.Kanawha	....	.61	.08	....	....	.39	.44	....	T.	.06	.09	.71	....	....	1.06	1.98	.86	.17	.12	.04	....	....	....	....	....	.27	.28	.04	....	....	....	7.20
Grafton	Tygart	.21	.15	.01	....	....	....	.92	.01	.08	.25	....	.74	T.	....	.90	1.16	.26	.06	....	....	....	.04	....	....	....	.22	.46	.01	.09	T.	....	5.57
Hackers Creek †	West Fork	.60	....	....	....	....	.89	....	....	.24	....	.49	.27	.07	.01	1.70	1.50	.01	....	....	....	.05	.07	....	....	....	.17	.37	....	....	.07	....	6.51
Hall ²	Tygart	T.	.44	.08	....	....	.25	.59	T.	.08	.04	T.	.61	T.	T.	68	1.10	1.11	.05	T.	T.	....	T.	....	....	....	.17	.43	.25	.05	T.	....	5.93
Hastings	Ohio	.34	.07	....	....	....	.91	.03	....	.10	.58	.32	.12	.01	.02	1.06	.85	.54	.22	.05	....	.04	....	....	....	....	.50	.58	....	....	.02	....	6.36
Horner	West Fork	.50	....	....	....	....	.90	....	.	....	....	.40	....	T.	T.	1.00	2.07	.25	.30	T.	...	....	....	....	....	....	.30	.05	....	....	.25	....	6.02
Ireland	do	.63	.11	....	....	....	.77	....	.16	.32	.06	.34	.11	....	....	1.28	2.40	.01	....	....	....	....	....	....	....	....	.39	.17	....	.01	.17	....	6.93
Jackson's Mill†	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Jane Lew	do	.25	.20	....	....	....	.84	.01	....	.08	.15	.60	.15	....	.01	1.00	1.84	.03	.08	T.	....	....	.02	....	....	....	.18	.16	.01	....	....	....	5.61
Lost Creek	do	.48	....	T.	....	....	.95	T.	T.	.11	.12	.52	.25	....	.06	1.22	1.46	.07	T.	T.	....	T.	....	....	....	....	.26	.34	....	T.	.14	....	5.98
Mannington	Monongahela	.42	....	....	T.	....	.94	.02	.04	.06	.60	.72	.18	T.	....	.93	1.26	.40	.05	.13	....	T.	....	....	....	....	.35	.63	....	....	.10	....	6.83
Midvale ²†	Tygart	....	.40	.10	....	....	.24	.85	T.	.25	.10	....	.70	T.	T.	.88	1.27	1.39	.10	T.	....	....	.10	....	....	....	.22	.14	.19	.10	T.	....	7.03
Morgantown	Monongahela	.60	.02	.	....	....	.90	T.	T.	.06	.47	.63	.17	T.	T.	.60	1.25	.28	.10	T.	T.	....	.02	....	....	....	.16	.35	....	....	.25	....	5.86
Mt. Clare	West Fork	.41	....	.03	....	....	.87	T.	T.	T.	.18	.63	.02	....	.01	1.09	1.49	.02	....	.10	....	....	....	....	....	....	.20	.24	....	....	.10	....	5.39
New Cumberland	Ohio	.14	....	....	....	....	.75	.02	.07	.06	.15	.09	.04	....	.15	.14	.53	.17	.33	.01	....	....	....	....	....	....	.01	.17	....	....	.26	....	3.09
New Martinsville	do	.34	....	....	....	....	.98	....	...	....	.72	.40	.10	....	....	1.08	1.15	....	.22	....	....	....	....	....	....	....	.21	.36	....	....	....	....	5.56
Parkersburg ¹‡	do	.15	....	T.	....	.08	.94	.01	.03	.10	.06	.28	.04	....	.33	1.49	.89	.01	.41	T.	....	.02	....	....	....	.01	.28	.71	....	....	.02	....	5.86
Parsons	Cheat	T.	....	.62	....	....	....	.94	....	....	.13	....	*	....	....	1.87	1.86	....	.28	T.	....	T.	....	....	....	....	*	.67	....	*	.56	....	6.93
Parsons No. 2	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Philippi ²	Tygart	....	.40	.40	....	....	.28	.68	T.	.04	.22	.04	.65	T.	T.	.72	1.15	.85	.07	T.	T.	....	.06	....	....	....	.11	.27	.18	.04	T.	....	6.16
Pickens	do	.48	....	.15	....	....	.06	.10	....	.40	....	.21	.02	..	.33	1.28	2.25	.06	....	T.	....	.11	....	....	....	....	.59	.69	....	T.	.25	....	6.98
Roanoke	West Fork	.45	.02	.02	....	....	.86	.02	.01	....	....	.49	.19	....	.11	1.08	2.30	.03	.10	.03	...	T.	.05	....	....	....	.24	.14	....	....	.16	....	6.30
Rockford †	do	.48	....	.03	....	..	.92	....	.10	T.	.14	.65	.17	T.	.03	1.05	1.77	.05	T.	.10	....	T.	....	....	....	....	.29	.33	....	.02	.11	....	6.24
Rowlesburg ²	Cheat	....	.33	....	....	....	.26	.80	.09	.07	.36	T.	.53	.12	....	.60	1.16	.56	.26	T.	....	....	.12	....	....	....	....	.42	.14	....	.04	....	5.86
Saint Marys ²	Ohio	....	.26	....	....	....	.75	.36	....	.09	.30	.13	.41	....	....	1.02	.86	.65	.35	...	....	....	.04	....	....	....	.06	1.24	....	....	....	....	6.52
Salem	West Fork	.43	....	....	....	....	1.05	T.	.07	.06	.18	.67	.12	....	T.	1.40	1.10	.24	.05	.08	...	T.	....	....	....	....	.36	.92	....	....	.06	....	6.79
Shinnston	do	.40	....	....	....	....	.65	T.	.10	.38	....	.60	....	....	T.	.78	1.47	.09	.12	T.	....	T.	....	....	....	....	.45	.65	....	....	.02	....	5.71
Terra Alta†	Cheat	T.	....	T.	....	.01	1.10	.02	.40	....	.50	.25	.75	.40	T.	2.30	*	.15	.17	T.	....	.01	....	....	....	T.	.30	.10	.10	T.	.30	....	6.86
Thomas ²	do	T.	.33	.05	....	....	T.	.76	T.	.20	.20	....	.45	.03	T.	.70	1.37	.88	.15	.05	....	....	.15	....	....	....	.10	.42	.36	08	.16	....	6.44
Valley Chapel	West Fork	.28	.15	.03	....	....	.83	T.	....	.10	.14	.31	.39	T.	.01	1.13	1.81	.01	.03	T.	....	T.	....	....	....	....	.27	.27	....	....	....	....	5.76
Valley Head ²	Tygart	.05	.35	.16	T.	....	.12	.44	.03	.11	.02	....	.42	.02	T.	.62	1.75	.48	.08	.12	....	....	.12	....	....	....	.22	.20	.11	T.	.01	....	5.43
Vandalia †	West Fork	.39	....	.15	....	....	.85	....	....	.21	....	.47	.13	....	.14	1.12	2.30	.07	....	....	....	....	....	....	....	....	.35	.14	....	....	.17	....	6.49
Wellsburg (near)	Ohio	T.	....	....	....	....	.94	T.	T.	.12	.30	18	.09	.05	.04	.15	.45	.43	.22	T.	T.	....	....	....	....	....	T.	.35	....	....	.14	....	3.46
West Milford	West Fork	.31	...	.25	....	....	.88	.10	....	....	.20	.55	.28	.05	....	1.05	1.65	.08	..	.09	....	....	.06	....	....	....	.22	.30	....	....	.12	....	6.19
Weston ²	do	....	.58	....	....	....	.36	.44	.02	.12	.10	.04	.72	T.	T.	.78	1.16	1.04	.04	.05	....	....	.06	....	....	....	.21	.17	.09	....	....	....	5.98
Wheeling (Dam 12) ²	Ohio	T.	.20	....	....	....	.22	.53	....	.05	.41	.08	.26	T.	....	.28	.56	.65	.23	.11	T.	....	.03	....	....	....	.06	.23	....	....	....	....	3.90
Southern Division																																	
Arbovale ²	Greenbrier	.32	T.	.05	....	....	.50	T.	....	.05	.04	.21	T.	T.	T.	.54	1.35	.17	.04	....	....	....	.20	....	....	....	.21	....	....	.06	.25	....	3.99
Bancroft †	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Beckley	New	.52	.07	.13	....	....	.64	.08	....	.13	....	.49	.18	....	.12	.21	.08	.04	.20	.08	....	.22	....	....	....	T.	.23	.04	T.	T.	T.	....	3.46
Bluefield	New	.28	....	.27	....	....	.25	....	....	.14	....	.27	.15	....	.10	.28	....	.04	....	....	....	T.	....	....	....	.03	.22	....	.04	.02	....	....	2.09
Camden-on-Gauley ²	Gauley	....	....	.04	....	....	.16	.51	.01	.09	....	.01	.74	....	.61	2.12	.21	....	.14	....	....	....	.11	....	....	....	.22	.28	.02	....	....	....	5.27
Charleston ²	Gr. Kanawha	.04	.43	....	....	....	.23	.49	....	.24	....	.12	.58	....	.58	1.72	.44	.25	.07	....	....	....	....	....	....	....	.10	.21	....	....	T.	....	5.50
Clay ²	Elk	.31	.29	.04	....	....	.20	.32	.01	.16	T.	.03	.54	T.	....	.48	2.80	.34	.11	.08	....	....	.03	....	....	....	.12	.40	....	.01	....	....	6.27
Flat Top ²	New	.17	.04	.47	....	....	.34	.11	....	.10	....	.22	.11	....	.30	.05	....	.01	....	T.	....	T.	....	T.	....	.14	.28	....	....	.02	....	....	2.36
Gary ²	Big Sandy	.07	.43	.19	....	....	.09	.25	....	.14	.08	.01	.43	....	....	.39	....	....	.17	.03	....	....	.01	....	....	....	.33	.02	.01	....	....	...	2.65
Greenbottom ²†	Ohio	....	.13	T.	....	....	.54	.24	....	....	T.	.28	.47	....	....	.90	4.30	.80	.66	....	....	....	....	....	....	....	.09	.36	.04	....	....	....	8.81
Hinton ²	New	.02	.31	.03	..	....	.15	T.	T.	.22	....	....	.29	....	....	.09	.03	....	.03	....	....	....	....	....	....	....	.28	.10	.06	....	....	....	1.61
Hogsett ²	Ohio	.06	.30	.02	....	....	.56	.53	....	.12	.01	.16	.47	....	....	.28	2.30	.67	.58	T.	....	T	T.	....	....	....	.05	.26	....	....	....	....	6.37
Huntington	do	.32	..	....	....	....	.79	T.	.03	....	T.	.77	....	....	.10	1.76	3.14	.06	.52	....	....	.01	....	....	....	T.	.19	.28	....	T.	T.	....	7.97
Institute ²	Gr. Kanawha	T.	.43	.01	....	....	.18	.43	T.	.16	.01	.10	.61	....	....	.66	2.35	.62	.21	.04	....	....	.01	....	....	....	.04	.16	....	....	....	....	6.02
Kanawha Falls ²†	do	T.	....	T.	....	....	.05	.10	....	T.	....	T.	.70	....	T.	.10	1.60	.15	.10	.15	....	....	....	....	....	....	.05	.25	....	....	....	....	3.25
Kayford ²	do	....	.30	.04	....	....	.10	.54	....	.21	....	.03	.68	T.	....	.05	1.40	.04	.15	.13	....	....	.01	....	....	....	.04	.27	.05	....	....	....	4.04
Lewisburg	Greenbrier	.35	....	.01	....	....	.33	T.	....	.01	....	.27	.04	....	.02	.11	.08	.14	.01	....	....	.07	.02	....	....	.02	.23	T.	T.	.02	....	....	1.83
Logan ²	Guyandot	.15	.28	.04	....	....	.15	.35	T.	.23	T.	.07	.40	....	....	.28	.26	....	.33	.04	T.	....	T.	....	....	....	.23	.03	T.	....	....	....	2.84
London Locks ²†	Gr. Kanawha	....	.36	.02	....	....	.09	.39	....	.21	...	.04	.62	T.	....	.14	1.62	.29	.19	.24	....	....	T.	....	....	....	....	.38	....	T.	....	....	4.59
Madison ²	Coal	.08	.34	....	....	....	....	.69	....	....	....	.27	.50	....	....	.12	1.83	.04	.24	.07	.01	....	....	....	....	....	....	.24	....	....	....	....	4.43
Marlinton	Greenbrier	.39	.10	.02	....	....	.60	....	....	.02	....	.15	.06	....	.01	.70	1.46	....	.02	.03	....	....	.14	....	....	....	....	....	....	....	.03	....	3.73
Point Pleasant ²	Ohio	.05	.40	.02	....	....	.85	.49	....	.11	.04	.19	.33	....	....	.85	2.23	.63	.55	.02	....	.04	T.	....	....	....	.05	.35	T.	....	....	....	7.20
Rainelle	Greenbrier	.45	.60	.05	....	....	.50	.05	.01	.10	..	.42	.12	....	.02	.55	.23	.03	.11	.02	....	.07	....	....	....	.04	.50	.01	....	....	....	....	3.88
Ravenswood ²	Ohio	....	.35	T.	....	....	.56	.60	....	.12	.10	.14	.41	.01	....	.40	2.10	.58	.60	....	....	....	....	....	....	...	T.	.40	....	....	....	....	6.37
Richwood ²	Gauley	.03	.38	.16	....	....	.10	.60	.06	.17	.01	.62	.01	.02	.40	2.00	.19	.12	.04	....	....	.18	....	....	....	....	.25	.35	.02	.04	.15	....	5.90

Continued on next page.

Daily Precipitation for April 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Robertsburg [2]	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ryan	.... do	.40	.01	....	....	....	.64	.02	.07	.63	....	.80	.01	....	.02	1.60	3.50	.03	.20	.25	....	....	....	....	....	.01	.07	.07	....	....	.03	....	8.36
Sharples[2]	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer [2]	Litl.Kanawha	....	.47	.04	....	....	.38	.35	....	.14	.06	.15	.55	T.	....	.64	2.52	1.08	.25	.12	.01	.04	....	....	....	....	.06	.58	....	.05	....	....	7.49
Sutton	Elk	.35	.15	....	....	....	.70	....	....	.20	....	.55	....	....	....	.93	2.62	....	.15	....	...	....	....	....	....	....	.30	.40	....	....	....	....	6.35
Thornwood[2]	Greenbrier	.75	.10	....	....	....	.65	....	.21	....	....	....	....	....	....	1.15	1.75	....	....	....	....	....	....	....	....	....	....	....	....	.14	.12	....	4.87
Union	New	.24	....	.05	....	....	.33	....	....	....	....	....	.31	....	....	.10	....	.10	....	....	....	...	....	....	....	....	.41	.03	.02	....	....	....	1.59
Wayne [2]	Twelvepole	.21	.28	.02	....	....	.44	.32	....	.12	.01	....	.23	.74	....	.32	1.97	.20	.80	....	....	....	....	....	....	....	.07	.22	....	....	....	....	5.95
White Sulp'r Spgs. [2]	Greenbrier	.35	.10	....	....	....	.25	.30	....	....	....	....	.40	....	....	.35	.05	.25	....	....	....	.10	....	....	....	....	1.05	.15	....	....	....	....	3.35
Williamson [2]	Big Sandy	.08	.37	.11	....	....	.24	.42	....	.11	....	.09	.41	....	....	.25	.03	....	.49	.08	....	.01	T.	....	....	....	.18	.07	.11	....	....	....	3.05
Winfield Locks[2]†	Gr. Kanawha	.01	.30	.02	....	....	.22	.43	....	.09	.03	.15	.77	....	....	.52	4.05	.95	.46	T.	..	....	.02	....	....	....	.07	.36	....	....	....	....	8.45

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Bancroft, Winfield; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Loudon Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. (||||) Incomplete.

Daily Temperatures for April 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	44	43	42	39	51	48	32	50	43	72	60	27	40	46	52	40	42	64	42	50	58	47	65	74	75	69	65	64	53	48	....	51.5
	Minimum	25	22	27	22	15	28	22	12	21	24	39	27	17	16	26	36	32	30	33	34	24	30	23	27	35	48	51	33	36	33	....	28.3
Beckley	Maximum	48	51	50	47	75	58	38	51	54	76	73	43	51	58	64	72	63	70	67	60	60	61	73	81	76	73	73	71	62	63	....	62.1
	Minimum	37	28	29	27	15	30	22	19	20	42	38	27	18	21	42	50	43	44	32	35	35	34	26	35	46	54	49	47	37	33	....	33.8
Bluefield	Maximum	52	54	54	50	65	60	42	50	59	77	72	52	49	63	69	75	66	71	69	60	66	58	74	80	79	74	74	69	65	68	....	63.9
	Minimum	43	35	38	32	25	40	27	26	22	41	51	32	23	31	47	52	42	46	38	39	46	38	34	38	52	60	54	53	43	32	....	39.3
Buckhannon	Maximum	49	52	51	46	47	57	40	52	46	58	75	45	46	55	51	64	72	73	53	56	62	66	70	71	82	79	71	80	63	62	....	59.8
	Minimum	36	35	35	32	35	23	30	23	35	28	41	30	26	25	25	49	50	47	40	44	47	43	40	42	36	58	56	44	43	35	....	37.8
Charleston [3]	Maximum	55	58	55	55	64	55	44	58	69	83	62	43	58	64	54	68	72	72	58	63	70	65	80	86	86	78	78	77	76	70	....	65.9
	Minimum	37	42	37	34	27	33	29	24	30	41	54	34	28	30	40	43	42	52	38	41	40	44	43	36	46	46	56	50	45	47	....	39.6
Clarksburg [3]	Maximum	53	53	51	48	59	49	39	54	55	80	57	35	49	56	55	57	74	70	54	58	69	62	76	82	88	73	74	70	63	60	....	60.8
	Minimum	34	35	34	31	22	26	30	21	30	33	47	34	28	24	30	42	49	50	41	42	35	39	31	35	42	53	57	46	46	36	....	36.8
Elkins	Maximum	48	48	46	43	57	54	34	51	51	78	63	39	43	55	58	58	63	72	49	57	64	56	72	81	82	68	69	66	55	57	....	57.9
	Minimum	37	33	33	30	22	30	25	21	22	41	37	25	25	22	50	49	52	47	39	36	33	37	30	35	42	57	53	42	42	35	....	36.1
Fairmont [3]	Maximum	50	53	52	50	57	49	45	55	56	82	57	57	54	53	53	56	74	73	56	61	71	64	78	86	83	74	75	72	69	57	....	62.4
	Minimum	36	34	33	30	24	32	28	23	31	34	49	34	26	28	36	46	47	53	41	42	37	44	34	40	47	56	58	46	44	45	....	38.6
Flat Top	Maximum	45	46	46	44	61	52	34	46	49	72	62	38	47	58	63	69	56	65	58	56	56	56	70	77	71	68	67	69	57	61	....	57.3
	Minimum	37	32	31	28	24	30	23	23	21	45	38	27	18	30	42	54	41	42	33	35	43	35	38	52	56	55	52	51	38	37	....	37.0
Gary [3]	Maximum	54	55	53	52	70	62	43	55	65	80	64	44	54	66	72	78	69	73	52	64	67	64	78	84	80	77	74	73	61	70	....	65.1
	Minimum	40	30	38	28	23	28	33	25	27	38	51	37	26	26	36	52	53	44	42	39	37	34	31	36	44	53	55	53	47	31	....	37.9
Glenville	Maximum	49	53	52	52	59	58	41	46	57	82	82	45	51	68	58	63	67	66	61	62	68	67	77	84	83	82	75	78	70	66	....	64.1
	Minimum	33	35	34	28	22	38	29	21	28	43	41	33	28	24	48	49	48	53	39	44	35	45	30	35	41	57	56	45	45	32	....	38.0
Grafton	Maximum	49	53	54	52	58	58	41	54	51	73	81	46	49	55	56	53	73	73	73	56	65	66	74	82	84	88	76	76	71	65	....	63.5
	Minimum	34	35	34	31	22	39	30	22	31	43	44	31	26	24	48	48	47	53	41	44	35	44	31	37	43	57	56	44	45	3[illegible]	....	38.5
Huntington	Maximum	57	59	58	59	60	57	43	56	62	80	78	46	54	55	62	74	78	76	58	64	69	71	79	87	85	78	80	76	69	75	....	66.8
	Minimum	43	36	39	33	33	42	32	27	29	50	44	35	29	32	50	52	58	53	46	45	43	42	39	42	49	61	61	53	45	40	....	42.8
Lewisburg	Maximum	49	53	50	49	63	58	39	53	57	77	67	45	51	62	59	62	52	70	62	61	68	62	75	82	82	75	73	71	63	68	....	61.9
	Minimum	35	34	34	31	24	38	30	24	23	43	45	33	24	25	45	51	41	41	40	37	40	39	31	38	45	56	52	53	43	37	....	37.7
Logan [3]	Maximum	56	56	58	64	69	53	45	53	63	83	62	45	56	64	66	82	71	76	55	67	70	68	82	89	80	82	78	77	68	74	....	67.1
	Minimum	41	33	34	35	28	31	33	26	30	32	56	38	28	32	36	54	58	54	44	43	43	38	34	41	48	55	59	55	49	38	....	40.9
Madison[3]	Maximum	54	56	56	55	68	51	50	55	73	82	61	43	55	65	60	76	71	73	53	65	69	77	80	87	82	79	77	77	66	72	....	66.3
	Minimum	39	32	38	33	27	36	33	34	25	38	55	37	28	30	43	53	54	54	42	41	44	39	42	40	47	58	59	54	47	35	....	41.2
Mannington	Maximum	51	51	50	47	55	53	39	51	54	78	76	41	48	52	54	51	75	68	59	55	65	61	72	81	83	74	72	69	64	59	....	60.3
	Minimum	32	33	32	29	20	34	29	19	28	43	40	30	27	23	48	47	46	44	40	40	32	41	29	34	41	56	54	42	45	34	....	36.5
Marlinton	Maximum	51	60	54	61	58	62	50	53	54	76	78	52	58	63	61	57	50	68	65	68	61	58	74	80	84	72	71	77	66	72	....	63.8
	Minimum	31	35	33	31	22	23	23	22	20	38	34	31	24	20	44	51	42	42	39	34	30	38	26	26	27	56	49	47	43	32	....	33.8
Martinsburg [3]	Maximum	58	58	52	50	60	53	53	55	57	80	74	55	53	63	65	62	48	63	65	66	74	64	81	90	90	83	74	65	58	54	....	64.1
	Minimum	35	38	41	35	29	32	33	29	29	32	38	43	30	31	35	40	37	38	40	43	39	44	34	45	54	60	58	56	42	42	....	39.4
Morgantown	Maximum	48	47	48	40	55	50	38	52	51	78	72	45	48	50	52	52	58	66	58	64	65	66	81	82	78	71	69	68	60	50	....	58.7
	Minimum	33	30	30	27	23	33	25	22	26	36	35	25	25	29	45	43	42	43	36	40	35	36	35	40	46	51	50	48	42	38	....	35.6
New Martinsville	Maximum	50	52	50	50	55	50	34	45	52	75	70	45	55	52	45	54	74	65	52	55	66	65	75	84	82	77	75	70	65	64	....	60.1
	Minimum	32	32	30	29	24	30	29	20	22	35	45	29	27	35	40	40	40	52	35	43	36	40	36	36	40	55	56	45	38	37	....	36.3
Parkersburg	Maximum	54	53	51	48	57	46	40	53	59	80	71	41	51	54	55	59	70	65	52	58	65	63	76	84	85	77	75	69	62	66	....	61.3
	Minimum	41	34	32	33	28	37	30	27	31	45	40	30	30	32	48	48	51	46	43	44	42	42	38	44	50	60	57	49	44	40	....	40.5
Pickens	Maximum	46	48	45	45	58	56	45	48	50	75	65	40	50	48	54	60	58	65	56	58	60	57	70	80	82	70	65	65	56	60	....	57.8
	Minimum	38	30	30	25	20	27	22	19	15	40	38	16	20	25	40	45	40	45	38	38	36	35	30	40	45	48	45	40	38	38	....	33.5
Point Pleasant	Maximum	55	56	55	54	61	59	44	55	62	81	79	54	54	53	57	64	74	73	58	60	66	66	79	86	85	78	77	75	69	69	....	65.3
	Minimum	44	33	35	30	27	39	30	27	29	46	45	34	29	30	47	49	53	51	45	45	43	42	38	42	49	60	61	52	45	55	....	41.8
Rainelle	Maximum	46	51	48	46	63	57	36	51	52	76	72	41	49	58	58	59	55	70	66	62	59	59	76	81	78	71	69	67	56	65	....	59.9
	Minimum	33	32	33	29	16	34	25	20	15	41	41	30	22	19	44	50	42	45	36	36	31	36	24	28	34	54	50	47	38	27	....	33.7
Richwood [3]	Maximum	48	51	46	46	64	56	46	52	58	76	60	36	48	57	58	65	54	68	62	61	61	59	74	82	83	70	72	67	57	68	....	60.2
	Minimum	35	33	35	36	23	29	23	20	20	26	35	24	25	26	46	41	49	37	39	36	41	30	35	38	42	52	46	42	30	33	....	34.2
Romney	Maximum	49	53	47	47	62	59	44	55	53	80	70	65	50	60	64	52	43	64	57	61	71	60	76	86	87	84	73	73	58	58	....	62.0
	Minimum	31	38	40	34	25	42	34	23	30	46	40	34	29	24	50	40	39	41	46	45	34	34	32	39	46	59	56	46	43	43	....	38.8
Spencer [3]	Maximum	53	55	53	51	62	49	41	55	57	81	57	37	51	57	58	65	67	68	55	60	68	63	77	83	88	76	76	72	64	68	....	62.2
	Minimum	38	34	36	29	23	45	30	23	28	46	55	33	27	31	40	50	55	54	41	44	39	43	33	39	45	58	60	48	45	34	....	40.2
Sutton	Maximum	50	53	53	52	62	62	41	53	55	83	83	52	51	58	59	62	67	72	72	62	67	67	75	85	85	83	74	73	72	61	....	64.8
	Minimum	36	32	29	32	23	40	30	21	25	44	45	34	28	24	48	47	50	52	40	43	35	44	30	35	42	57	57	45	44	31	....	38.1
Wardensville [3]	Maximum	55	54	51	48	59	55	42	52	54	78	71	43	49	64	67	41	51	68	58	66	73	62	75	83	86	75	70	67	57	63	....	61.2
	Minimum	30	38	39	33	22	43	33	23	24	36	51	38	28	20	48	41	38	38	47	41	31	41	30	37	42	56	52	47	41	37	....	37.5
Weston	Maximum	53	55	52	48	61	59	43	57	55	80	78	45	50	58	58	64	73	73	70	57	67	65	77	83	87	85	72	71	68	60	....	64.1
	Minimum	36	35	35	31	24	42	30	24	30	31	43	32	28	26	48	49	49	55	42	44	36	44	32	38	44	58	58	45	46	35	....	39.0
Wheeling[3]	Maximum	50	51	50	48	55	45	38	49	54	76	45	35	53	53	53	52	70	64	51	54	65	59	74	80	82	75	76	68	63	50	....	57.9
	Minimum	37	32	31	30	25	29	28	27	30	32	44	35	28	31	34	44	43	47	42	42	38	46	35	41	48	54	58	45	35	41	....	37.7
Williamson[3]	Maximum	57	57	61	58	66	52	47	56	66	82	61	48	61	63	73	80	77	75	56	69	70	73	86	90	77	85	76	73	70	77	....	68.1
	Minimum	43	35	41	35	29	38	33	27	31	44	52	40	28	32	36	55	58	55	45	44	43	39	38	43	50	56	59	55	49	37	....	42.3

Daily Evaporation (Inches) and Wind Movement (Miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.014	.012	.184	.203	.065	.125	.150	.076	.101	.100	.243	.002	....	.226	.054	.126	.001	.118	.189	.117	.096	.144	.130	.148	.264	.047	.014	.143	.260	.136	....	3.488
	Wind movement	45	64	73	172	81	13	62	90	92	79	88	73	256	58	102	30	26	62	96	141	65	146	38	81	99	13	48	37	89	78	....	2,497

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 5-27-39—900)

WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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WEST VIRGINIA SECTION

S. S. SCHWORM

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VOL. XLVII PARKERSBURG, W. VA., MAY 1939 No. 5

GENERAL SUMMARY

The month was the driest May of record, with twenty-two long established stations reporting the least May amounts and twelve stations reporting the second driest May of record. All stations reported deficiencies, but the most pronounced lack of rain occurred in the Ohio Valley Counties and portions of the north-central, Grant and Hardy Counties. Monthly totals of less than one-half inch occurred in Brooke, Monongalia, Marion, Harrison, Wood and Mason Counties. Monthly totals in excess of two inches occurred generally over a rather narrow belt extending from McDowell northeastward into Pendleton and Tucker Counties.

Temperature was well above the normal; only two stations reporting means below normal. Unusually cool weather, with frosts, prevailed from the 1st to 5th and from the 11th to 16th, with the low reading of 19° at Seneca State Forest on the 4th equalling the lowest of State record for May. The temperature was consistently above normal during the remainder of the month.

The weather was unfavorable for vegetation, except grains locally in the northeastern panhandle and corn generally throughout the State. Pastures and forage crops suffered particularly from the drought.

Three persons in Logan and Raleigh Counties were struck by lightning and severely burned, on the 25th.

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 63.5°, or 1.8° above the normal. The mean for the northeastern panhandle division was 62.7°; for the northern division, 63.4°; and for the southern division, 64.0°. The highest monthly mean was 68.4° at Williamson and the lowest, 53.8° at Bayard. The highest temperature was 100° at Martinsburg on the 31st and the lowest, 19° at Seneca State Forest on the 4th. The greatest daily range was was 53° at Inwood and Seneca State Forest on the 6th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 1.38 inches, or 2.57 inches below the normal. In the northeastern panhandle division the average was 1.67 inches; in the northern division, 1.22 inches; and in the southern division, 1.50 inches. The greatest monthly precipitation was 3.78 inches at Dailey and the least, 0.36 inch at Dam No. 15 (Monongahela River) and Wellsburg. The greatest amount in any 24 consecutive hours was 1.87 inches at Wardensville on the 21st-22d. The average monthly snowfall was trace, or normal. The greatest monthly snowfall was 1.0 inch at Stony River Dam. The average number of days with .01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	..	..	..	..	..	..	..	..	3	..	..	..	5	3	..	6	..	..	..	..	1	16	4	..	1	1	..	..	1	3
Gales	..	..	..	..	..	..	..	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	1	1	1	..	..
Halos, solar	..	..	..	..	..	..	1	..	..	..	1	2	1	2	2	..	..	..	..	1	..	..	1	..	1	..	..	..	..	1	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	1	..	..	1	..	1	1	..	..	..	..	..	..	1	6	15	11	7	2	4	3	4	10	8	..	..	2
Killing frost	10	4	6	19	..	..	..	..	..	..	..	..	1	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.99	30.32	3	29.51	9	6.3	22	w.	21	78	48	53	75
Columbus, Ohio	29.99	30.28	12	29.50	9	8.1	31	sw.	9	71	40	46	72
Elkins	30.01	30.23	26	29.57	9	5.1	21	sw.	28	84	44	53	62
Parkersburg	29.98	30.27	3	29.53	9	5.4	17	s.	8	78	40	46	74
Pittsburgh, Pa	29.99	30.28	12	29.49	9	9.2	29	sw.	28	71	44	48	75
Wytheville, Va	30.02	30.25	26	29.66	9	5.4	28	nw.	29	80	51	61	57

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	......	......	2.38	3.11	3.60	3.18	......	......	......	......	......
1892	62.2	96	32	3.62	6.67	4.83	5.04	......	......	......	......	......
1893	59.5	92	30	4.90	4.35	4.84	4.51	......	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	......	13	16	9	6
1895	61.6	**105**	20	3.18	2.18	2.80	2.60	......	9	12	11	8
1896	**68.3**	95	33	2.92	3.50	2.71	3.01	......	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	......	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	......	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	......	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	...	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	......	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	......	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	.1	10	14	9	8
1910	57.9	96	**19**	2.45	4.05	4.56	3.92	.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	.0	11	15	8	8
1913	61.6	95	**19**	5.54	5.60	4.50	5.16	.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	**55.5**	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	**55.5**	93	23	8.74	7.12	6.72	**7.20**	.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	**19**	1.67	1.22	1.50	**1.38**	T.	7	16	11	4
Period	61.7	105	19	3.68	4.11	3.88	3.95	T.	11	13	9	9

Climatological Data for May 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	53.8	−2.6	88	26	22	4	45	1.83	−2.47	0.62	0.0	6	26	3	2	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	62.6	+4.0	91	26	27	4	48	2.05	−1.03	.80	.0	5	23	1	7	s.	E. L. Keister
Harpers Ferry	Jefferson	400	50	...	...	...	...	...	...	...	1.29	−2.15	.52	.0	7	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	7	63.8	...	95	31	33	15	53	1.55	...	.57	.0	4	17	13	1	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	64.8	...	93	31	32	15	39	.96	...	.31	.0	5	17	13	1	se.	University Exper. Station
Martinsburg	Berkeley	435	47	66.7	+3.9	100	31	35	15	39	2.20	−1.19	.75	.0	6	23	6	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	60.9	+.7	94	31	25	4	51	.95	−2.27	.60	.0	2	13	16	2	w.	R. E. Saville
Piedmont	Mineral	1,053	26	63.4	+3.4	90	31	35	§2	40	2.02	−1.63	1.01	.0	5	13	13	5	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	64.2	+1.3	92	31	33	2	40	1.03	−2.50	.55	.0	4	18	9	4	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	...	...	...	...	...	...	...	2.41	...	.48	.2	9	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	19	...	...	...	...	...	...	...	.82	−3.78	.65	1.0	3	7	12	12	w.	A. C. Becker
Wardensville	Hardy	1,200	18	62.0	+2.6	90	31	32	4	43	2.71	−.25	1.87	.0	8	15	15	1	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	...	...	...	...	...	...	...	.92	−2.95	.19	.0	8	13	16	2	...	L. Esle Bond
Alma (near)	Tyler	800	12	...	...	...	...	...	...	...	1.45	−2.22	.81	.0	5	20	7	4	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	57.6	...	90	25	23	4	48	2.60	...	.87	.0	9	13	15	3	...	Christian Hertig
Benson	Harrison	1,080	15	63.2	+2.4	95	§25	26	§1	45	1.24	−2.69	.60	.0	6	16	15	0	...	R. D. Marts
Bens Run	Pleasants	652	37	66.0	+3.0	96	§25	31	1	44	.59	−3.41	.30	.0	4	30	0	1	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	64.6	+3.0	93	§25	28	1	48	1.44	−2.79	.87	.0	9	7	24	0	...	M. D. Hawkins
Buckhannon	Upshur	1,411	42	61.2	+.1	87	25	30	§1	37	1.00	−3.43	.30	.0	6	22	8	1	...	H. A. Darnall
Cairo	Ritchie	680	38	65.6	+2.5	95	25	29	3	43	.85	−2.57	.33	.0	7	15	16	0	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	64.4	+4.1	96	26	29	4	44	48	−3.20	.28	.0	5	18	4	9	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	...	...	...	...	...	...	...	1.32	−3.17	.46	.0	8	16	12	3	sw.	George W. Blair
Creston	Wirt	640	37	63.1	.0	90	§18	28	§1	46	.94	−2.77	.27	.0	8	21	8	2	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	...	...	...	...	...	...	...	.45	−3.62	.15	.0	7	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	23	...	...	...	...	...	...	...	1.49	−2.02	.59	.0	8	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	18	...	...	...	...	...	...	...	.36	−3.24	.13	.0	4	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	23	...	...	...	...	...	...	...	.50	−2.92	.17	.0	6	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	23	...	...	...	...	...	...	...	.54	−2.92	.19	.0	5	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	...	...	...	...	...	...	...	1.72	−1.71	.66	.0	6	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	38	60.8	+1.6	88	26	28	4	39	1.35	−2.70	.45	.0	8	4	16	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	65.8	+3.7	96	26	31	1	41	39	−3.49	.18	.0	4	20	9	2	w.	J. C. Robinson
Glenville	Gilmer	738	45	65.3	+1.7	96	§25	29	§1	45	.74	−3.38	.44	.0	6	18	7	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	65.0	+3.5	97	27	30	4	40	1.41	−2.27	.35	.0	9	20	7	4	...	L. W. Clayton
Hastings	Wetzel	809	4	...	...	...	...	...	...	...	1.48	...	.41	.0	8	10	12	9	w.	L. G. McIntyre
Horner	Lewis	1,044	16	...	...	...	...	...	...	...	1.28	−3.39	.64	.0	7	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	16	...	...	...	...	...	...	...	.95	−3.65	.48	.0	6	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,025	41	63.4	+3.0	93	25	26	1	43	.96	−3.19	.35	.0	6	19	10	2	w.	Allen Smith
Mannington	Marion	974	36	61.8	+1.4	88	26	28	§1	42	.65	−3.36	.23	.0	7	18	8	5	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	11	63.8	+3.6	93	26	31	14	49	.97	−2.43	.28	.0	7	15	10	6	nw.	C. O. Valentine
New Martinsville	Wetzel	654	45	65.2	+2.2	98	24	30	5	50	.69	−2.98	.32	.0	5	15	15	1	s.	Wm. Aukrom
Parkersburg	Wood	615	52	65.1	+2.3	92	26	34	1	36	.53	−2.85	.25	.0	5	12	15	4	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	63.1	+4.3	93	26	29	4	43	2.33	−1.80	...	.0	6	14	12	5	...	J. W. Swisher
Philippi	Barbour	1,300	42	...	...	...	...	...	...	...	1.45	−2.82	.38	.0	9	...	...	...	...	H. F. Brittingham
Pickens	Randolph	2,697	36	58.0	−.1	85	§25	25	4	38	2.32	−2.93	.60	.0	7	16	6	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	...	...	...	...	...	...	...	1.46	−2.90	.77	.0	8	25	2	4	...	Miss Mary A. Courad
Rowlesburg	Preston	1,375	51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	577	31	...	...	...	...	...	...	...	.52	−2.99	.21	.0	6	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	38	59.6	+1.6	92	26	26	15	42	1.35	−3.63	.55	T.	4	25	6	0	w.	John Dee Williston
Thomas	Tucker	3,000	10	...	...	...	...	...	...	...	3.49	...	1.39	.0	9	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	16	65.2	+3.6	96	26	28	1	43	1.05	−2.84	.80	.0	4	11	18	2	w.	S. A. Speuce
Vandalia	Lewis	1,120	16	...	...	...	...	...	...	...	1.14	−2.44	.55	.0	5	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	32	61.8	+1.6	94	31	26	§2	47	.36	−2.84	.24	.0	2	19	10	2	...	George P. Pfister
West Milford	Harrison	979	14	...	...	...	...	...	...	...	.65	−3.08	.25	.0	5	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	44	66.2	+3.5	95	§25	30	1	46	1.47	−2.37	.72	.0	9	7	21	3	...	J. Arthur Heury
Wheeling (Dam 12)	Ohio	659	52	64.7	+2.9	94	26	33	§1	41	1.51	−1.59	.60	.0	8	14	13	4	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	...	...	...	...	...	...	...	2.97	−.47	.81	.0	8	11	18	2	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	60.0	+.2	90	24	27	14	45	2.29	−1.34	.70	.0	13	8	21	2	...	L. A. Mauck
Bluefield	Mercer	2,558	44	63.0	+1.4	89	24	31	4	35	1.84	−1.28	.48	.0	10	8	15	8	...	Norfolk & Western Ry.
Charleston	Kanawha	602	36	66.7	+1.3	92	§24	33	4	47	1.45	−2.33	.57	.0	9	23	2	6	...	Charleston Daily Mail
Clay	Clay	790	23	...	...	...	...	...	...	...	1.40	−2.39	.88	.0	9	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	1	59.6	...	82	24	31	3	26	.48	...	.12	.0	10	...	...	...	...	U. S. Airway Station
Gary	McDowell	1,426	23	63.5	+2.4	93	25	29	4	45	2.49	−1.48	.95	.0	17	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	65.9	...	93	25	33	4	38	.88	...	.52	.0	7	19	10	2	sw.	State Forest Nursery
Hinton	Summers	1,431	42	66.4	+3.0	99	24	30	4	52	1.47	−2.08	.67	.0	9	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	594	23	...	...	...	...	...	...	...	.77	−2.91	.37	.0	3	...	...	...	...	Lockmaster
Huntington	Cabell	571	42	68.0	+3.3	96	25	36	4	40	.98	−2.99	.23	.0	8	10	17	4	sw.	H. N. Robinson
Institute	Kanawha	616	1	66.6	...	94	25	33	4	41	.61	...	.18	.0	9	...	...	...	...	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	...	...	...	...	...	...	...	1.08	−2.82	.30	.0	8	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	...	...	...	...	...	...	...	1.18	−3.22	.36	.0	14	...	...	...	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	62.4	+2.3	89	24	31	4	42	2.53	−.83	.68	.0	7	13	13	5	...	J. K. Monroe
Logan	Logan	700	36	68.0	...	96	24	34	4	43	1.66	−2.45	.73	.0	12	12	14	5	...	Paul A. Simonds
London Locks	Kanawha	623	3	65.6	...	91	§25	33	4	46	.99	...	.56	.0	8	17	14	0	se.	Lockmaster
Madison	Boone	675	18	66.6	+2.8	94	26	32	4	44	.91	−3.42	.45	.0	8	17	13	1	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	60.2	+3.2	88	24	25	4	46	2.23	−1.71	1.33	.0	4	10	9	12	se.	U. S. Forest Service
Point Pleasant	Mason	595	46	67.2	+2.5	94	25	35	§1	40	.43	−3.56	.19	.0	6	18	13	0	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	59.1	...	88	24	23	4	47	2.55	...	.78	.0	10	14	5	12	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	67.2	+5.3	97	27	32	§3	39	.71	−3.00	.30	.0	5	16	4	11	se.	Lockmaster
Richwood	Nicholas	2,193	9	60.7	...	88	24	27	4	38	1.82	...	.42	.0	12	13	16	2	se.	Cherry River Paper Co.
Ryan	Roane	700	36	64.0	+2.8	95	26	29	4	43	.59	−3.05	.25	.0	5	16	13	2	...	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	57.1	...	88	25	19	4	53	1.89	...	.84	.0	4	7	20	4	e.	Supt., State Forest
Spencer	Roane	789	35	65.4	+3.4	94	§26	31	4	40	1.17	−2.48	.53	.0	9	9	22	0	...	A. M. McKown
Sutton	Braxton	850	33	64.2	+.9	91	§25	29	4	44	2.00	−2.36	.87	.0	5	...	...	...	...	C. B. Eakle
Union	Monroe	2,250	35	62.2	+1.3	91	24	24	4	47	.89	−2.31	.38	.0	8	10	19	2	...	C. B. King
Wayne	Wayne	598	12	...	...	...	...	...	...	...	.89	−2.69	.23	.0	7	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	62.3	+1.8	92	24	25	4	51	2.54	−.93	.90	.0	5	22	3	6	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	68.4	+3.4	98	25	34	4	46	1.62	−2.46	.72	.0	11	12	17	2	...	J. E. Dotson
Winfield Locks	Putnam	570	1	...	...	...	...	...	...	...	.91	...	.32	.0	9	...	...	...	nw.	Lockmaster
State averages and	extremes	...	...	**63.5**	**+1.8**	**100**	**31**	**19**	**4**	**53**	**1.38**	**−2.57**	**1.87**	**T.**	**7**	**16**	**11**	**4**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for May 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.25									.06	T.			.62						T.	.07						.60	.23				1.83
Brandywine	do													.80							.35	.25	.15		T.		T.	.50	T				2.05
Brushy Run[2]	do	.34									T.			.17	.70						.04	.12	.14	.13					.78				2.56
Harpers Ferry[2]	do	.08									.19				.32						.15	.52	.02						.01				1.29
Inwood	do									.12		T.		.31							.55	T						.57					1.55
Kearneysville	do									.27				.31								.30	.03					.05					.96
Knobly Mountain[2]†	do	.35									T.				.73							.35	.05	.04			.17	T.	T.				1.69
Martinsburg[2]	do	.25									.20				.35							.40	.25	T.					.75				2.20
McNeill	do										T.			.60													.36	T.					.96
Petersburg	do													66							T.	.20	.05										.91
Piedmont	do										.01			.61								.20	.19					1.01					2.02
Romney	do	.10												.55								.33	.05										1.03
Spruce Knob[2]†	do	.22									T.		T.	.48	.30						.17	.19	.47	.21					.28	T.	.09		2.41
Stony River Dam[2]†	do	.10									.07				.65																		.82
Wardensville[2]	do	.16												.19	.29							1.56	.31	.02				.06	.12				2.71
Northern Division																																	
Aberdeen†	West Fork	.03								.06	.18	T.		.19							.19	.02	.14						.11				.92
Alma (near)	Ohio									.30	.03										.81		.10						.21				1.45
Alpena	Cheat										.19			.59							.35	.37	.04	.05		T.	.87	.08		.06			2.60
Belington[2]	Tygart	.22								T.	.18		T.	T.	.37			T.			.05	.07		.05					.15	.01		T.	1.10
Benson†	West Fork									.05	.13										.60		.14						.17	.15			1.24
Bens Run	Ohio									.30													.15						.07	.07			.59
Brownsville†	West Fork	.09								.10	.09			.03							.87	.03	.05						.16	.02			1.44
Buckhannon	Tygart									.19	.10			.26							.30								.10	.05	T.		1.00
Cairo	Litl.Kanawha	.03																		.06	.10	.02						.25	.33			.06	.85
Clarksburg[2]	West Fork	.06								.01	.02										.11									.28			.48
Crawford	do											.12	.06	.15							.46	.16	.31							.03	T.	.03	1.32
Creston[2]	Litl.Kanawha	.06	.05							.10	T		T.					T			.10	.26	.08	.02					T.	.27			.94
Dailey[2]†	Tygart	.39		T.							.07		T.	.05	.52						.07	1.04	.08	.15				1.26	.15	T.	T.	T.	3.78
Dam 10, Mon. R.[2]†	Monongahela	.14								.01	.15		T.	T	T.			.03						.05	.01				.05	.01			.45
Dam 13, O. R.[2]†	Ohio	.14								.11	.59		.05									.07	.11		.15				.18				1.40
Dam 15, Mon. R.[2]†	Monongahela	.10								T.	.13										T.	T.		.04						.09			.36
Dam 19, O. R.[2]†	Ohio	.02							.06	.09	.17		T.								T.	T.	.04						.12				.50
Dam 20, O. R.[2]†	do		.03						T.	.12	.08			T.							T.	T.	.12						T.	.19			.54
Elizabeth (Dam 3)[2]	Litl.Kanawha								.07	.22	T.									.09	.66	.12						T.	.56				1.72
Elk†	West Fork									.05				.40						.30			.45						.05	.10			1.35
Elkins[1]‡	Tygart									.07	T.	T.		.45						.19	.14	.05	.17				T.	.27	.01	T.			1.35
Fairmont[2]	Monongahela								T.	.15										T.			.05					T.	.18	.01			.39
Glenville[2]	Litl.Kanawha	.14								T	.04		T.								.44	.05	.04							.03			.74
Grafton	Tygart	.06	T.							.04	.10	.02		.17							.20		.29	.18						.35			1.41
Hackers Creek†	West Fork									.14	.12										.45	.02	.27						.10	.07			1.17
Hall[2]	Tygart	.17								T.	.32			T.	.29			T.			.29	.40	T.	.20					.15	T.			1.82
Hastings	Ohio	02								.38	.18										.30		.06		.03			T.	.41	.10			1.48
Horner	West Fork									.10	.12				.64						.16		.08						.08	.10			1.28
Ireland	do									.21				.16							.68	.18	.31					.21	.02	.01			1.78
Jackson's Mill†	do																				.72								.05				.77
Jane Lew	do									.05				.02							.48	.04	.30	T.					.06				.95
Lost Creek	do									T.	.18	T.		T.							.35	.03	.16						.16	.08			.96
Mannington	Monongahela									.16	.05							.01			.08		.23		.05				.07				.65
Midvale[2]†	Tygart	.35								T.	.10			T.	.41			.10			.15	.20		.09					.04	.03			1.47
Morgantown	Monongahela																																....
Mt. Clare	West Fork									.05	.08	T.		.01							.15		.05							.21			.55
New Cumberland	Ohio									.23	.03										.04	.28	.07					.15	.17				.97
New Martinsville	do									.32											.12		.05					.12	.08				.69
Parkersburg[1]‡	do	T.						T.	.18	.11		T.		T.			T.				.01	.19	.04					T.	T.			T.	.53
Parsons	Cheat									.24		T		.26							*	*	1.63					T.	.20				2.33
Parsons No. 2	do																																....
Philippi[2]	Tygart	.11								.05	.15		T.	T.	.22			.11			.11	T.		.38					.20	.12			1.45
Pickens	do										.15											.12	.48	.60			.60	.19		.18			2.32
Roanoke	West Fork									.17	.05			.07							.77	.10	.14			.09				.07		T.	1.46
Rockford†	do									.04		T.		.20						.21	T.		.29						.11				.85
Rowlesburg[2]	Cheat																																....
Saint Marys[2]	Ohio	.05								.04	.20										.01	T.	.21					T.	T.	.01			.52
Salem	West Fork									T.	.05										.25		T.						.35	.05			.70
Shinnston	do									T.		T.											.02	.50					.45				.97
Terra Alta[2]†	Cheat									.25		T.		.55						T.			.10					T.	.45	T.			1.35
Thomas[2]	do	.20									.12			T.	.58						.27	.08	.58	.07				1.39	.20				3.49
Valley Chapel	West Fork									T.	.15	T									.80	T.	.07							.03			1.05
Valley Head[2]	Tygart	.32									.06		.02	.17	.55			.02				.37	.09	.40				.41	.01	.03			2.45
Vandalia†	West Fork													.34							.55	.05							.12	.08			1.14
Wellsburg (near)	Ohio		T.							.24				T.							T.			T.				T.	.12				.36
West Milford	West Fork	.02									.15										.25								.12	.11			.65
Weston[2]	do	.12								.04	.12				.05						.72	.07		.20					.03	.12			1.47
Wheeling (Dam 12)[2]	Ohio	.14								.23	.60		.05					.03				.30	.08		.08				T.				1.51
Southern Division																																	
Arbovale[2]	Greenbrier											T.		.80							.70	.06	.07			.81	.40	.04	.06				2.94
Bancroft†	Gr. Kanawha																																....
Beckley	New	.10							T.	T.	.09	.13		.30		T.	.06			T.	.07	.03	.06			.13	.06	.70	.30		.26		2.29
Bluefield	New	.15									.06					.24							.48			.48	.08	.04	.02	.09		.20	1.84
Camden-on-Gauley[2]	Gauley	.20		.01							.04		T.	.17	.06						.01	.35		.42				.91	.20	.17	.02		2.56
Charleston[2]	Gr. Kanawha		.05							.04	T.		.26	.04							.09	.57	.08	.01					T.		.31		1.45
Clay[2]	Elk	.06								.12	.08		.04	.01	.01						.88		.03						.17				1.40
Flat Top[2]	New	.04							T.	T.	.06		.04	.04	.10			T.				T.	.01	.01			.05	T.	.01	.12			.48
Gary[2]	Big Sandy	.09								.02	.06		.08	.07	.01			.14			.33		.01	.08		.03	.25	.95	.24	.02	.10	.01	2.49
Greenbottom[2]†	Ohio								.05	T.	.01			T.	T.		.03	.03				.01	.52							.23		T.	.88
Hinton[2]	New	.22								.01			.02	.11	.08								.67				.02	.06	.28				1.47
Hogsett[2]	Ohio		T.						T.	.05								T.					.37						T.	.35	T.		.77
Huntington	do	T.							.03	T.	.03	T.		T.			.14				T.	.03	.16					T.	.23	.13	.23	T.	.98
Institute[2]	Gr. Kanawha	.03	.04						T.	.02	T.	T.	T.	.02	.01			.02			.17	T.	.18						T.	.12	T.		.61
Kanawha Falls[2]†	do	.05								T.	.08			.15							.30	.03	.05						.30	.12			1.08
Kayford[2]	do	.09							.02	.02		.15		.13	.04						.36	.05	.02	.06			.01	.09	.10	.04			1.18
Lewisburg	Greenbrier										.07	.40		.68								.56	T.	T.		.55	T.	.02	T.		.25		2.53
Logan[2]	Guyandot	.01	.02	T.					.16	.10	.24		.03	.02	.02			.08				T.	.23				.73		.02	T.			1.66
London Locks[2]†	Gr. Kanawha	.09								.06	.05			.09	.04						.56	.05								.05			.99
Madison[2]	Coal	.04								.15	.07			.09					.01		.08			.45						.02			.91
Marlinton	Greenbrier		T.											.82	.01			.07								T.	1.33						2.23
Point Pleasant[2]	Ohio	T.							T.	.10	.02				T.			.02			T.		.08						.02	.19			.43
Rainelle	Greenbrier	.19									.10	.13		.45								.21	.11			.78	.08	.47	.03				2.55
Ravenswood[2]	Ohio		.03						T.	.09													.30							.27		.02	.71
Richwood[2]	Gauley									.06		.05	.30	.27							.06	.10	.42				.40	.03	.06	.02		.05	1.82

Continued on next page.

Daily Precipitation for May 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Robertsburg 2	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ryan	do	....	.02	....	....	....	....	....	....	.10	....	....	....	....	....	....	T.	....	....	....	.25	T.	....	....	....	....	....	....	....	....	.10	.12	.59
Seneca State Forest†	Greenbrier	....	....	....		....	....	....	....	....	....	....	....	.84	....	....	....	....	....	....	....	....	.19	....	....	....	.40	.46	....	....	....		1.89
Spencer 2	Litl.Kanawha	.02	.04	.	....	....	....	....	....	.05	.04	....	....	....	....	....	....	....	....	....	.09	....	.07	.14	....	....	....	.53	....	.19	....	T.	1.17
Sutton	Elk	....	....	....	....	....	....	....	....	....	.25	....	....	T.	....	....	....	....	....	....	.87	.53	.25	....	....	....	....	T.	T.	.10	....	....	2.00
Thornwood 2	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	.81	....	....	....	....	....	....	.38	....	....	....	....	.85	....	.20	....	...	....	....	2.24
Union	New	.04	.03	....	....	....	....	....	....	....	....	.05	....	.38	....	....	....	....	....	....	....	...	.17	.02	....	.10	....	.10	....	....	....	....	.89
Wayne 2	Twelvepole	....	....	....	....	....	....	....	....	.14	.06	....	....	.04	....	.	.13	.09	....	....	....	.	.20	....	....	....	....	....	.23	....	....	....	.89
White Sulp'r Spgs. 2	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	.50	.40	....	....	....	....	....	....	....	....	....	....	....	.90	.24	....	....	.50	....	....	2.54
Williamson 2	Big Sandy	.09	.. .	....	....	..	....	....	.03	.16	.04	....	.12	.05	.05	....	.. .	.17	....	....	....	....	.15	....	....	....	.72	....	.04	....	....	....	1.62
Winfield Locks 2†	Gr Kanawha	.02	.01	....	....	....	....	....	T.	.07	....	....	....	....	....	....	....	....	....	....	.30	.02	.10	.02	....	....	....	.	.05	.32	...	....	.91

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Bancroft, Winfield; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for May 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard 3	Maximum	46	48	50	58	66	75	79	80	72	70	61	61	45	55	57	62	70	75	79	75	76	70	80	82	85	88	85	80	78	80	85	70.0
	Minimum	28	24	25	22	28	35	36	42	47	40	40	25	27	23	26	27	30	35	38	45	49	45	45	48	40	45	48	54	58	45	49	37.7
Beckley	Maximum	60	57	55	66	74	82	82	77	73	74	69	70	62	65	65	67	76	85	84	79	81	81	86	90	79	77	85	82	81	82	84	75.2
	Minimum	29	34	28	23	32	37	47	53	53	49	49	39	41	27	35	39	36	40	53	51	51	52	49	49	58	55	55	59	56	57	54	44.8
Bluefield	Maximum	68	58	55	66	73	79	83	78	72	74	77	72	59	67	69	65	76	82	80	78	79	79	85	89	83	85	82	82	81	82	82	75.5
	Minimum	36	38	34	31	39	45	47	54	60	54	52	49	50	35	35	46	42	47	57	57	55	55	56	59	64	62	62	65	60	61	60	50.5
Buckhannon	Maximum	53	55	58	64	72	80	82	84	75	78	73	65	59	60	[illegible]	70	74	81	85	77	80	75	80	81	87	86	84	80	80	80	81	74.2
	Minimum	30	31	33	30	35	44	47	56	57	49	55	38	48	32	36	46	42	50	50	50	58	54	50	55	58	60	59	65	60	59	57	48.2
Charleston 3	Maximum	62	59	64	73	76	85	84	81	80	81	74	74	64	73	73	88	88	88	84	84	85	91	92	92	92	92	90	86	87	89	91	81.4
	Minimum	36	40	36	33	40	40	53	51	58	53	53	40	49	45	43	41	45	45	54	56	60	59	61	61	61	64	67	71	67	64	65	52.
Clarksburg 3	Maximum	[illegible]	55	61	69	77	86	88	86	75	79	72	71	59	70	75	81	82	89	91	85	86	82	88	91	94	96	92	85	85	86	93	80.2
	Minimum	30	36	33	29	35	44	46	52	57	48	53	40	48	34	36	39	42	45	50	60	58	59	59	58	52	58	58	68	65	57	57	48.6
Elkins	Maximum	52	50	54	62	72	81	84	79	73	74	69	[illegible]	52	64	67	71	74	83	84	77	80	75	83	85	88	88	83	80	80	79	85	74.
	Minimum	33	34	34	28	33	43	46	57	52	49	49	37	37	[illegible]	36	42	41	44	49	59	58	55	57	56	57	60	57	63	60	56	56	47.5
Fairmont 3	Maximum	[illegible]	56	64	71	80	88	87	91	75	81	71	69	60	71	76	79	81	87	92	85	88	81	90	90	95	96	92	89	85	87	93	81.
	Minimum	31	38	34	32	39	49	50	59	60	49	57	39	47	35	39	43	46	49	53	60	61	61	62	55	55	57	60	69	66	59	57	50.7
Flat Top	Maximum	55	50	52	62	64	72	75	68	66	69	70	60	57	56	58	59	69	76	75	70	75	73	80	82	76	78	77	75	74	75	76	68.7
	Minimum	32	34	31	35	37	50	54	56	55	50	54	41	45	[illegible]	38	43	45	50	61	55	[illegible]	58	58	60	61	59	61	62	62	60	62	50.5
Gary 3	Maximum	62	57	59	62	75	85	82	82	76	76	81	73	56	69	71	68	78	81	86	79	80	80	89	93	88	89	89	85	85	83	85	77.5
	Minimum	42	38	32	29	34	40	44	56	55	57	45	49	51	39	36	41	43	44	49	53	56	57	58	58	62	60	62	63	58	63	61	49.5
Glenville	Maximum	59	60	63	69	80	87	89	88	83	82	80	[illegible]	67	71	74	75	79	78	91	90	84	83	90	90	96	95	89	89	83	91	90	81.4
	Minimum	29	38	30	29	35	42	45	54	59	51	53	39	47	35	34	39	42	44	49	50	59	58	60	58	58	60	59	70	62	60	69	49.2
Grafton	Maximum	56	59	62	70	75	81	88	87	89	80	81	72	70	68	74	75	79	87	90	92	84	86	82	90	92	96	97	92	88	86	88	81.2
	Minimum	34	34	35	30	36	44	48	57	58	47	58	57	43	34	37	41	44	46	51	60	59	58	59	58	55	56	58	64	62	56	56	48.8
Huntington	Maximum	64	64	65	72	81	89	87	86	72	82	77	74	66	73	77	73	83	90	89	94	83	85	91	91	96	93	99	86	88	89	92	81.7
	Minimum	39	41	37	36	44	49	53	60	64	53	56	48	53	41	40	48	50	52	56	64	63	64	62	63	63	63	69	71	65	65	55	54.4
Lewisburg	Maximum	60	54	58	69	77	84	87	85	77	77	79	73	64	63	66	68	78	84	83	81	79	77	87	89	86	84	86	80	83	80	83	76.8
	Minimum	33	38	33	31	[illegible]	42	45	48	52	52	51	45	40	35	[illegible]	40	41	44	53	57	55	54	55	53	65	51	52	61	59	61	57	48.
Logan 3	Maximum	66	69	63	73	82	89	86	85	74	81	77	76	61	73	75	72	82	90	89	[illegible]	86	88	92	96	94	91	90	89	87	89	90	81.9
	Minimum	42	42	[illegible]	31	40	46	50	59	63	58	50	45	52	44	40	45	50	50	54	62	60	61	63	61	67	64	65	69	64	67	68	54.
Madison 3	Maximum	64	59	63	72	75	89	87	86	73	80	76	74	62	73	[illegible]	73	80	89	88	84	85	88	89	91	94	94	91	86	88	89	91	80.8
	Minimum	39	41	35	32	40	45	45	59	61	56	51	47	50	42	[illegible]	44	46	45	54	63	60	61	62	60	63	63	65	68	63	64	64	52.
Mannington	Maximum	57	54	59	66	75	83	86	85	81	77	75	66	61	65	76	73	77	84	86	81	80	79	83	83	87	88	85	82	81	82	85	76.
	Minimum	28	32	30	[illegible]	35	42	44	57	[illegible]	47	57	35	45	34	34	37	43	44	48	58	59	60	58	52	49	52	57	65	62	55	53	47.
Marlinton	Maximum	56	54	56	66	75	82	85	78	79	75	75	73	66	62	64	69	74	83	83	82	78	76	85	88	87	85	83	80	83	80	82	75.
	Minimum	30	37	28	25	29	36	40	52	53	45	44	38	44	32	31	37	42	40	47	54	55	52	54	52	58	57	54	58	54	55	54	44.
Martinsburg 3	Maximum	63	63	64	74	81	85	83	85	88	88	75	72	56	62	62	71	80	82	90	[illegible]	83	86	[illegible]	84	88	88	91	88	93	94	100	80.
	Minimum	37	43	45	43	45	48	55	62	60	59	60	45	42	40	35	40	44	50	52	53	[illegible]	60	60	60	60	59	62	68	60	63	64	52.
Morgantown	Maximum	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	....	.....
	Minimum	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	.....
New Martinsville	Maximum	54	54	60	72	80	90	87	86	75	82	78	85	68	65	75	74	83	80	90	83	85	85	90	98	90	95	95	85	87	90	92	81.
	Minimum	34	33	35	32	30	42	50	52	64	53	56	60	36	35	34	47	48	42	53	55	60	65	60	54	52	56	62	40	65	60	60	49.
Parkersburg	Maximum	59	55	59	69	79	86	85	84	71	80	71	65	[illegible]	67	73	74	80	86	89	79	82	84	[illegible]	86	90	92	90	84	83	86	88	78.
	Minimum	34	40	37	35	[illegible]	55	54	62	58	58	52	45	49	38	43	49	53	54	57	63	62	64	63	58	58	64	67	69	66	61	61	53.
Pickens	Maximum	56	54	52	60	72	78	82	82	80	74	65	[illegible]	54	64	66	68	72	82	82	77	76	[illegible]	80	63	85	85	82	78	78	76	81	72.
	Minimum	30	29	28	25	35	45	45	45	42	45	42	34	28	35	36	40	40	48	50	50	50	50	52	53	55	50	50	54	54	55	54	43.
Point Pleasant	Maximum	69	59	63	69	80	87	85	85	83	80	78	69	68	71	75	75	82	89	90	88	84	83	92	91	94	93	91	85	86	89	88	81.
	Minimum	35	39	37	35	42	50	51	60	64	53	56	45	50	37	40	45	50	52	50	63	60	63	61	62	59	61	67	69	65	65	64	53.
Rainelle	Maximum	57	54	55	66	75	80	83	79	76	77	73	70	61	62	64	66	77	83	81	78	76	77	85	88	86	84	86	79	80	81	85	75.
	Minimum	32	36	32	23	28	33	36	49	49	49	40	37	44	33	30	36	35	36	45	52	51	52	55	49	56	52	55	57	51	54	52	43.
Richwood 3	Maximum	56	52	56	64	74	81	81	76	75	75	71	69	56	65	67	68	75	84	83	77	77	77	85	88	87	82	87	78	80	81	83	74.
	Minimum	35	33	31	27	38	43	52	58	48	45	41	43	33	36	42	[illegible]	41	47	55	56	49	53	53	57	56	56	59	54	57	55	60	46.
Romney	Maximum	59	58	60	69	77	85	88	84	83	79	78	70	66	59	66	71	78	85	89	83	81	80	88	83	85	89	88	88	86	88	92	78.
	Minimum	39	33	36	34	38	45	49	58	57	55	61	38	38	43	37	38	44	45	49	61	59	60	56	57	55	59	60	65	63	57	56	49.
Spencer 3	Maximum	68	61	59	62	59	79	87	87	86	86	84	84	72	65	72	73	75	83	89	90	81	85	80	90	91	94	94	90	86	85	86	80.
	Minimum	33	36	33	31	37	45	48	58	54	53	50	44	49	35	38	42	44	47	53	62	60	62	58	62	59	61	63	67	63	62	60	50.
Sutton	Maximum	60	60	62	71	78	84	84	83	80	80	80	71	71	67	72	73	82	88	89	89	81	79	89	90	91	91	90	90	85	85	85	80.
	Minimum	30	35	32	29	34	42	45	55	56	51	49	40	48	35	37	40	44	44	50	59	58	58	59	58	58	59	60	61	62	59	58	48.
Wardensville 3	Maximum	58	58	59	68	77	85	87	80	77	80	71	72	47	59	64	68	75	82	85	83	80	79	87	81	83	87	86	84	85	85	90	76.
	Minimum	36	35	35	32	35	42	49	57	57	54	48	37	37	41	34	33	41	42	45	56	58	55	53	56	53	68	60	63	56	55	54	47.
Weston	Maximum	58	59	61	69	80	89	88	90	79	82	79	73	69	72	76	77	83	90	92	90	85	84	92	91	95	95	93	90	87	89	93	82.
	Minimum	30	40	32	31	36	43	47	57	60	50	58	41	46	35	36	41	45	48	51	61	59	59	60	63	57	60	60	68	65	60	58	50.
Wheeling 3	Maximum	59	54	60	69	78	85	87	85	73	77	70	65	65	67	73	74	80	80	88	82	82	83	89	85	90	94	87	85	82	86	92	78.
	Minimum	33	33	34	34	41	51	51	58	64	52	54	38	44	34	40	48	50	51	51	63	63	66	59	49	53	53	63	70	66	59	59	51.
Williamson 3	Maximum	70	62	67	78	85	92	84	86	74	65	78	75	61	76	79	73	85	92	89	81	87	90	95	98	89	93	92	88	89	93	87	82.
	Minimum	43	43	37	34	41	46	51	58	63	56	52	49	53	45	43	47	52	51	56	61	61	61	63	63	66	64	67	68	65	66	66	54.

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.173	.100	.138	.062	.270	.205	.176	.172	.264	.110	.271	.182	.208	.060	.156	.157	.178	.084	.120	.233	.034	.300	.073	.263	.267	.168	.171	.123	.297	.152	.356	5.5
	Wind movement	88	34	54	48	37	42	24	18	34	123	59	59	42	22	21	22	37	30	35	55	5	29	18	55	22	14	17	36	71	70	58	1,2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 6-27-39—900)

57.05
NWE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., JUNE 1939 NO. 6

GENERAL SUMMARY

The month was the second wettest June of record. However, the distribution was rather uneven, with the heaviest amounts occurring in the north-central districts, where totals were from two to three times the June normal. Amounts were below normal in the Elk and lower Kanawha Valleys, Wayne, Boone, McDowell, Monroe, and Greenbrier Counties, and two stations in the northeastern panhandle division.

Temperatures were well above normal, the month being the fourth warmest June of record, with all stations reporting an excess in temperature. There were only two brief spells of cool weather: 12th-14th and 23d-24th.

A severe electrical storm occurred at Morgantown on the 2d, igniting three oil storage tanks and damaging slightly a schoolhouse roof. On the 22d in Calhoun County one young man was killed and another seriously injured when struck by lightning.

The weather was generally favorable for vegetation. Corn continued to make excellent progress, while potatoes, forage crops, and pastures recovered from the May drought. Fruit is about average except apples which crop is short.

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 72.7°, or 3.0° above the normal. The mean for the northeastern panhandle division was 71.2°; for the northern division, 72.2°; and for the southern division, 73.8°. The highest monthly mean was 78.4° at Williamson and the lowest, 63.7° at Bayard. The highest temperature was 101° at Hinton on the 16th and the lowest, 33° at Bayard on the 5th. The greatest daily range was 52° at Seneca State Forest on the 7th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 105 stations, was 6.23 inches, or 1.82 inches above the normal. In the northeastern panhandle division the average was 5.91 inches; in the northern division, 7.32 inches; and in the southern division, 4.50 inches. The greatest monthly precipitation was 13.36 inches at Morgantown and the least, 2.24 inches, at Wayne. The greatest amount in any 24 consecutive hours was 2.50 inches at Creston on the 22d. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	2	6	3	13	13	7	..	4	..	..	..	..	4	10	2	1	..	1	..	4	3	..	17	5	8	2	1	..	1	..
Gales	..	..	..	..	..	..	..	2	..	1	4	1	..	..	..	..	..	1	..	1	..	1	1	..	..	..	..	..	..	..	..
Hail	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Halos, solar	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	3	1	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	9	17	11	5	..	..	..	17	13	11	6	1	16	1	..	..	2	14	9	3	9	20	13	..	..	1	5	24	16	10	..

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PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	local noon	7:30 p. m.	
Cincinnati, Ohio	29.98	30.28	4	29.66	10	6.4	30	nw.	30	87	65	72	64
Columbus, Ohio	29.97	30.26	4	29.70	11	8.7	37	sw.	22	79	56	62	57
Elkins	30.02	30.24	5	29.76	30	4.9	21	sw.	3	90	63	73	54
Parkersburg	29.98	30.22	4	29.73	30	5.6	24	nw.	30	84	58	65	65
Pittsburgh, Pa	29.99	30.21	21	29.70	30	9.1	34	nw.	8	81	63	68	51
Wytheville, Va	30.03	30.23	21	29.81	30	5.7	28	nw.	8	85	59	70	57

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	......	......	3.40	5.40	4.97	5.02	......	......	......	......	......
1892	74.1	99	41	4.30	3.85	3.77	3.90	......	......	......	......	......
1893	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	....	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	......	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	.....	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	... ..	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	......	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	......	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	......	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	......	9	18	8	4
1914	72.0	100	30	3 12	3.63	2.03	3.00	......	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	......	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.31	4.66	.....	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	.....	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	.....	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	.....	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	.....	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	......	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934	**74.3**	106	41	2.94	3.88	3.07	3.45	.... .	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	......	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	......	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	......	14	12	10	8
Period	69.7	109	27	3.94	4.53	4.38	4.41	......	11	13	10	7

Climatological Data for June 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	63.7	+0.2	89	17	33	5	46	9.53	+4.40	1.48	0.0	14	15	6	9	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	72.0	+5.0	96	16	47	5	39	3.55	−.33	.80	.0	10	19	0	11	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	50	......	......	......	......	......	......	....	5.07	+1.42	1.41	.0	12	....		....	......	Miss Eleanor White
Inwood	Berkeley	569	7	72.8	......	96	§8	51	7	36	8.03	......	2.00	.0	9	18	6	6	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	72.2	......	95	16	50	5	34	8.46	......	1.98	.0	14	15	9	6	w.	University Exper. Station
Martinsburg	Berkeley	435	47	72.9	+1.9	98	16	53	§5	43	3.95	−.19	1.00	.0	7	19	8	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	70.9	+3.1	97	16	39	5	48	5.62	+2.02	1.76	.0	14	14	8	8	w.	R. E. Saville
Piedmont	Mineral	1,053	26	70.3	+2.2	92	16	46	5	34	6.76	+2.76	1.88	.0	15	11	10	9	se.	C. A. Suter, Jr.
Romney	Hampshire	824	41	73.2	+3.3	96	17	47	5	37	3.83	+.01	1.07	.0	11	17	5	8	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	......	......	......	......	......	......	....	5.55	......	.91	.0	15	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	19	......	......	......	......	......	......	....	6.90	+2.88	.85	.0	11	7	7	16	w.	A. C. Becker
Wardensville	Hardy	1,200	18	70.5	+5.0	94	16	45	5	39	4.41	+1.41	1.19	.0	16	13	9	8	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	......	......	......	......	......	......	....	6.59	+2.23	2.46	.0	14	8	12	10	......	L. Esle Bond
Alma (near)	Tyler	800	12	......	......	......	......	......	......	....	10.60	+5.90	1.50	.0	16	10	6	14	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	67.0	......	90	22	42	5	40	5.93	......	.84	.0	15	13	6	11	......	Christian Hertig
Benson	Harrison	1,080	15	72.4	+4.2	96	16	46	15	43	5.14	+.83	1.02	.0	16	9	18	3	......	R. D. Marts
Bens Run	Pleasants	652	37	74.3	+3.5	94	§7	......	......	....	7.93	+3.71	1.86	.0	16	24	4	2	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	74.4	+4.9	99	27	42	29	49	5.80	+1.49	1.16	.0	17	9	19	2	......	M. D. Hawkins
Buckhannon	Upshur	1,411	42	70.4	+2.0	87	16	48	5	30	8.03	+3.32	2.06	.0	16	13	13	4	......	H. A. Darnall
Cairo	Ritchie	680	38	74.0	+3.7	95	16	49	4	40	7.81	+3.30	2.28	.0	16	14	16	0	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	73.4	+4.0	95	16	49	15	40	6.86	+2.59	1.82	.0	13	11	3	16	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	......	......	......	......	......	......	....	5.44	+.67	1.00	.0	17	9	17	4	sw.	George W. Blair
Creston	Wirt	640	37	71.0	+.3	92	§16	35	24	41	7.80	+3.42	2.50	.0	15	13	11	6	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	......	......	......	......	......	......	....	12.16	+7.82	2.31	.0	14	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	23	......	......	......	......	......	......	....	8.22	+4.39	1.89	.0	17	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	18	......	......	......	......	......	......	....	10.19	+6.20	2.27	.0	13	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	23	......	......	......	......	......	......		5.81	+1.89	1.66	.0	15	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	23	......	......	......	......	......	......	....	4.24	+.25	1.50	.0	14	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	......	......	......	......	......	......	....	4.49	+.28	.88	0	13	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	38	70.0	+3.6	90	16	48	5	33	8.35	+3.29	1.62	.0	19	5	7	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	73.4	+3.1	95	16	50	15	39	9.45	+5.04	2.31	.0	15	13	7	10	w.	J. C. Robinson
Glenville	Gilmer	738	45	74.0	+2.9	96	16	52	5	38	5.52	+1.13	1.16	.0	13	12	9	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	73.4	+4.3	94	§1	48	5	35	9.74	+5.61	1.82	.0	19	9	9	12	.	L. W. Clayton
Hastings	Wetzel	809	4	......	......	......	......	......	......	....	9.82	......	1.96	.0	18	10	14	6	w.	L. G. McIntyre
Horner	Lewis	1,044	16	......	......	......	......	......	......	....	6.32	+2.02	2.00	.0	18	....	.	....	..	Foster R. Hardman
Jane Lew	Lewis	1,020	16	......	......	......	......	......	......		5.96	+1.89	1.20	.0	15			.		Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	72.2	+4.6	93	16	47	§5	41	6.15	+1.82	1.25	.0	16	11	8	11	sw.	Allen Smith
Mannington	Marion	974	36	70.6	+2.8	87	§16	49	§5	34	10.45	+6.17	1.70	.0	18	10	9	11	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	70.8	+1.5	89	28	48	6	37	13.36	+9.12	1.63	.0	16	8	8	14	......	Bruce Davis
New Cumberland	Hancock	671	41	72.6	+4.4	95	§27	47	25	45	6.24	+1.69	1.84	.0	18	9	4	17	se.	C. O. Valentine
New Martinsville	Wetzel	634	45	73.8	+2.7	95	§7	48	26	39	7.79	+3.68	1.50	.0	13	10	14	6	s.	Wm. Ankrom
Parkersburg	Wood	615	52	74.6	+3.2	93	17	51	15	37	4.26	+.26	1.05	.0	15	9	10	11	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	71.8	+4.9	95	16	50	5	38	9.53	+4.54	....	.0	7	10	11	9	......	J. W. Swisher
Philippi	Barbour	1,300	42	......	......	......	......	......	......	....	8.60	+3.91	1.76	.0	17	....		....	......	Mrs. Maxine Leach
Pickens	Randolph	2,697	36	67.9	+3.0	85	§16	45	5	35	8.83	+3.03	1.73	.0	16	11	4	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	......	......	......	......	......	......	....	4.04	−.27	.90	.0	15	15	8	7	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	......	......	......	......	......	......	....	8.01	+2.64	1.11	.0	15		....	....	......	W. H. Bolyard
Saint Marys	Pleasants	577	31	......	......		......	......	......		9.42	+5.25	1.88	.0	17	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	38	68.2	+3.5	90	17	38	5	48	7.20	+1.02	1.20	.0	15	13	7	10	w.	John Dee Williston
Thomas	Tucker	3,000	10	......	......	......	......	......	......	.	7.91	......	1.00	.0	15	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	16	74.8	+5.2	97	17	50	§5	41	7.60	+3.85	1.99	.0	15	12	13	5	w.	S. A. Spence
Vandalia	Lewis	1,120	16	......	......	......	......	......	......	.	5.49	+1.68	1.36	.0	15		....	....	......	James B. Kelley
Wellsburg (near)	Brooke	658	32	71.6	+3.6	95	16	41	5	46	6.09	+1.95	2.20	.0	15	13	6	11	......	George P. Pfister
West Milford	Harrison	979	14	......	......	......	......	......	......	....	6.51	+2.24	1.72	.0	14	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	44	75.4	+5.0	97	16	50	5	39	5.48	+1.14	1.38	.0	15	3	16	11	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	73.0	+2.4	94	17	52	15	36	8.28	+4.39	2.03	.0	16	8	9	13	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	......	......	......	......	......	......	....	4.70	+.95	1.38	.0	15	18	7	5	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	67.6	+.2	91	16	44	5	40	5.90	+1.49	1.39	.0	15	10	15	5	......	L. A. Mauck
Bluefield	Mercer	2,558	44	72.5	+2.4	89	16	52	5	34	5.60	+1.37	1.18	.0	13	9	20	1	......	Norfolk & Western Ry.
Charleston	Kanawha	602	36	77.4	+4.3	95	15	61	§26	33	4.35	−.04	1.34	.0	14	18	2	10	......	Charleston Daily Mail
Clay	Clay	790	23	......	......	......	......	......	......		3.78	−.73	.68	.0	15	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,260	1	68.0	......	82	16	53	5	24	7.67	......	1.79	.0	13	....	....	....	......	U. S. Airway Station
Gary	McDowell	1,426	23	74.0	+4.7	94	16	55	§5	34	4.23	−.84	1.26	.0	12	18	1	11	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	74.6	......	95	16	53	15	36	3.31	......	.60	.0	10	16	4	10	sw.	State Forest Nursery
Hinton	Summers	1,431	42	76.4	+5.9	101	16	56	§5	41	5.87	+1.57	1.39	.0	10	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	23	......	......	......	......	......	......	....	3.97	−.06	1.18	.0	12	....	....	....	......	Lockmaster
Huntington	Cabell	571	42	77.3	+4.4	97	16	56	15	35	5.20	+.97	1.05	.0	15	8	16	6	sw.	H. N. Robinson
Institute	Kanawha	616	1	75.8	......	98	27	56	5	34	3.88	......	1.02	.0	12	....	....		......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	......	......	......	......	......	......	....	5.88	+1.80	1.75	.0	12	....	....	....	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	......	......	......	......	......	......	....	5.68	+.49	1.49	.0	16	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	72.0	+4.8	91	16	51	5	34	3.93	−.01	1.55	.0	16	7	10	13	......	J. K. Monroe
Logan	Logan	700	36	77.2	......	97	16	58	§5	35	4.70	−.19	.83	.0	15	12	9	9	......	Paul A. Simonds
London Locks	Kanawha	623	3	76.2	......	96	16	59	5	34	3.92	......	1.23	.0	15	6	0	24	se.	Lockmaster
Madison	Boone	675	18	75.8	+3.5	95	16	58	§5	31	4.07	−.09	.98	.0	14	11	18	1	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	......	......	......	......	......		....	......	......	......	..	....	....	....	....	......	Earnest Moore
Point Pleasant	Mason	595	46	76.0	+3.6	96	§16	53	15	38	3.17	−.91	.51	.0	14	13	11	6	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	68.7	......	91	16	48	§5	39	5.59	......	1.30	.0	14	19	1	10	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	76.0	+5.5	97	17	50	15	40	3.63	−.51	.59	.0	14	5	14	11	sw.	Lockmaster
Richwood	Nicholas	2,193	9	70.4	......	92	16	48	§4	40	4.04	......	.68	.0	15	10	15	5	se.	Cherry River Paper Co.
Ryan	Roane	700	36	73.1	+4.3	92	16	49	§5	38	4.18	−.47	.90	.0	15	12	8	10	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	69.3	......	95	7	42	§5	52	3.80	......	.99	.0	13	9	18	3	e.	Supt., State Forest
Spencer	Roane	789	35	74.9	+5.2	96	16	51	15	39	3.48	−1.03	1.07	.0	15	6	19	5	......	A. M. McKown
Sutton	Braxton	850	33	74.8	+3.5	94	§16	54	27	39	4.15	−.81	.60	.0	14	....	....	....	......	C. B. Eakle
Union	Monroe	2,250	35	72.0	+4.2	91	§16	49	§5	39	4.71	+.72	1.29	.0	13	12	13	5	.....	C. B. King
Wayne	Wayne	598	12	......	......	......	....	......	......	....	2.24	−1.78	.83	.0	11	....	....	.	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	72.0	+4.0	91	16	49	7	40	2.85	−1.13	.90	.0	8	21	6	3	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	78.4	+5.8	100	16	58	14	36	6.63	+1.86	1.60	.0	18	8	19	3	nw.	J. E. Dotson
Winfield Locks	Putnam	570	1	......	......	......	......	......	......	....	4.47	......	1.31	.0	13	....	....	....	......	Lockmaster
State averages and	extremes	......	....	**72.7**	**+3.0**	**101**	**16**	**33**	**5**	**52**	**6.23**	**+1.82**	**2.50**	**.0**	**14**	**12**	**10**	**8**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for June 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	...	.22	.80	.52	...	...	...	...	1.03	...	...	...	.58	.52	...	...	.31	...	.68	1.40	.10	...	1.48	...	...	...	...	.23	1.45	.21	...	9.53
Brandywine	do	.15	.25	T.	...	...	...	...	...	.25	T.	T.	...	.15	...	...	...	...	.30	.25	...	T.	.10	...	...	...	...	...	.75	.55	.80	...	3.55
Brushy Run [2]	do	...	1.27	.35	.08	...	...	...	...	.02	.40	.08	...	.05	.70	...	...	...	.14	.28	.15	...	.19	.12	...	...	...	...	...	.26	1.23	...	5.32
Harpers Ferry [2]	do	...	.40	.76	T.	T.	...	...	...	.23	...	.47	.02	...	.28	...	...	...	.08	.58	.53	...	...	1.41	...	...	...	...	T.	.15	.16	...	5.07
Inwood	do	...	.88	...	...	...	...	...	...	.24	...	.38	...	.95	...	...	...	...	2.00	...	...	...	.06	1.27	...	...	...	...	.25	2.00	...	...	8.03
Kearneysville	do	T.	1.37	.15	...	...	...	...	1.20	...	...	.37	...	.27	.02	...	...	...	.68	.76	.01	...	.50	1.48	...	...	...	...	.12	1.09	.44	...	8.46
Knobly Mountain [2]†	do	...	.58	.80	.22	...	...	...	T.	...	...	...	...	.16	.24	...	...	...	.33	.61	.84	...	...	.24	...	...	...	...	.30	1.13	.64	...	6.09
Martinsburg [2]	do	...	1.00	.55	T.	...	...	...	...	T.	...	...	.08	...	.80	...	...	...	.50	.80	...	...	...	...	...	...	...	...	...	.22	...	...	3.95
McNeill	do	.25	.30	.05	.12	...	...	...	...	.03	T.	...	...	.45	.12	...	...	...	.43	.67	.04	...	...	1.20	...	...	...	...	1.76	.14	.06	...	5.62
Petersburg	do	1.40	.62	.06	.15	...	...	...	...	...	...	...	.11	.40	...	...	...	...	...	.95	.03	...	...	.20	...	...	...	...	.57	.50	.59	...	5.58
Piedmont	do	.04	.75	.30	...	.15	...	...	T.	.15	...	.24	...	.61	.03	...	...	...	1.20	.60	.04	...	.34	...	...	...	...	...	1.88	.27	.16	...	6.76
Romney	do	...	1.07	.08	...	...	...	...	...	...	...	.07	.27	.11	...	...	...	...	.50	...	.20	...	...	.33	...	...	...	...	.90	.10	.20	...	3.83
Spruce Knob [2]†	do	T.	.91	.47	.13	...	...	...	...	T.	T.	.08	...	T.	.43	.27	...	...	.35	.72	.21	.19	.18	.42	...	...	...	...	.22	.69	.28	...	5.55
Stony River Dam [2]†	do	...	...	.85	.82	...	...	...	...	.35	...	...	...	...	.66	...	...	...	...	.72	.70	...	...	.85	...	...	...	.64	.62	.38	.31	...	6.90
Wardensville [2]	do	...	.23	.36	.02	...	...	...	...	.04	...	.06	.01	.09	.25	...	...	...	.20	.32	.21	.03	...	.42	...	...	...	...	.76	1.19	.22	...	4.41
Northern Division																																	
Aberdeen†	West Fork	.52	.26	T.	.23	...	...	...	T.	.03	T.	T.	T.	.33	.29	...	...	...	.14	2.46	T.	.03	.47	.18	...	...	...	...	.78	.85	.02	...	6.59
Alma (near)	Ohio	.67	.02	1.37	.14	...	...	...	.91	.40	.17	...	...	.18	...	...	...	...	1.50	1.40	...	.12	1.20	.05	...	...	...	...	.40	1.40	.07	...	10.00
Alpena	Cheat	.44	.07	.07	.52	...	...	...	...	...	.14	...	...	.40	.35	...	...	...	.78	.84	.38	T.	.22	.48	...	T.	...	...	.48	.50	.26	...	5.93
Belington [2]	Tygart	T.	.52	.04	.65	...	...	...	...	T.	.13	.03	T.	.39	.26	T.	...	...	.20	.70	1.33	.17	.22	.89	...	...	...	...	.28	.52	.21	...	6.54
Benson †	West Fork	.30	.55	.12	.15	...	...	...	.08	.32	.05	...	...	...	.10	...	...	...	1.02	.43	.08	.20	.12	...	...	...	...	...	.82	.50	.30	...	5.14
Bens Run	Ohio	.02	.03	.08	.03	...	...	...	1.78	.46	.23	...	...	.10	...	...	...	...	1.48	.78	...	.04	1.86	.04	...	...	...	...	.27	.73	*	...	7.93
Brownsville †	West Fork	.37	.51	...	.13	...	...	...	...	.29	.05	.06	...	.09	.12	...	...	...	.64	.61	.03	.26	.29	.03	...	...	...	...	1.16	1.13	.03	...	5.80
Buckhannon	Tygart	.28	.15	T.	.10	...	...	...	T.	.05	.11	...	...	.20	.14	...	...	...	.98	1.57	.03	.44	.87	.07	...	...	...	...	2.06	.47	.51	...	8.03
Buckhannon No. 2 [2]	do	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.17	.71	T.	...	...	...	.72	1.11	.45	...	.....
Cairo	Litl.Kanawha	1.69	.07	.03	...	...	...	.04	.76	.15	.11	...	.05	.05	...	...	...	.43	2.28	...	...	.93	.13	...	...	...	...	...	.23	.70	.16	...	7.81
Clarksburg [2]	West Fork	...	.67	.28	.16	...	...	...	...	.15	...	...	...	...	...	...	...	...	.10	1.72	.56	.33	.11	1.26	...	...	...	...	.42	.17	.93	...	6.86
Crawford	do	.33	.33	...	.13	...	...	...	.09	.03	.17	...	T.	.46	.14	...	...	...	.67	.02	.81	.18	.05	...	...	...	...	.05	1.00	.37	.61	...	5.44
Creston [2]	Litl.Kanawha	...	.08	.61	.22	...	...	...	.09	23	.36	.03	...	...	.03	...	...	...	.20	1.10	...	...	2.50	.17	...	...	...	...	.85	.58	.75	...	7.80
Dailey [2]†	Tygart	T.	.40	.05	.47	T.	...	...	...	T.	T.	.10	T.	.45	.71	...	...	...	.43	1.28	.16	.08	.98	.37	...	...	...	...	.21	.28	.21	...	6.18
Dam 10, Mon. R. [2]†	Monongahela	T.	.95	2.31	.60	...	...	...	...	.96	.05	.07	...	...	.63	...	...	...	.04	2.03	.81	...	...	1.55	...	...	...	...	.25	.64	1.27	...	12.16
Dam 13, O. R. [2]†	Ohio	.01	.02	.02	.86	...	...	...	T.	1.74	.59	.03	...	...	.38	...	...	...	.10	1.89	.18	.02	.52	.49	...	...	...	...	.51	.04	.82	...	8.22
Dam 15, Mon. R. [2]†	Monongahela	...	1.95	.98	1.38	...	...	...	T.	.57	.06	...	...	...	.22	...	...	...	.24	2.27	.42	...	...	.88	...	...	...	...	.42	.20	.60	...	10.19
Dam 19, O. R. [2]†	Ohio	.02	1.26	.12	.12	...	...	...	.02	.03	.02	.01	...	...	...	...	...	...	.35	.85	T.	...	1.66	.59	...	...	...	...	.35	.20	.21	...	5.81
Dam 20, O. R. [2]†	do	...	1.50	.52	.04	...	...	...	T.	.07	.10	.05	...	.05	.05	...	...	...	.38	.58	T.	...	.18	.28	...	...	...	...	...	.08	.36	...	4.24
Elizabeth (Dam 3) [2]	Litl.Kanawha	.88	.28	.30	...	...	...	...	.07	.05	T.	...	.02	...	...	...	...	.18	.83	T.	...	.44	.22	...	...	...	...	.60	.16	.46	T.	...	4.49
Elk †	West Fork	.65	1.30	.05	.10	...	...	...	...	.10	...	...	...	.16	.28	...	...	...	.60	.90	.08	.10	.37	.23	...	...	...	...	.78	.44	.10	...	6.24
Elkins [1]‡	Tygart	.36	.07	.84	.15	...	...	...	...	.01	.13	.01	...	1.40	.13	...	...	.05	.98	1.06	.01	.55	.03	.14	...	...	...	T.	1.18	.22	1.03	...	8.35
Fairmont [2]	Monongahela	1.24	1.05	.59	...	...	...	.03	.40	.09	...	...	...	.21	...	...	...	.24	2.31	.17	...	...	...	.98	...	...	...	.74	.61	.44	.35	...	9.45
Glenville [2]	Litl.Kanawha	T.	.62	.73	.08	...	...	...	T.	.58	.20	.06	...	...	.11	...	...	...	.25	1.16	...	...	.43	.08	...	...	...	...	...	.47	.75	...	5.52
Grafton	Tygart	...	.94	1.33	.66	.01	...	...	.06	.50	.09	...	...	.17	.16	.01	...	...	.30	1.49	.08	.04	.02	1.82	...	...	...	...	.65	.87	.54	...	9.74
Hackers Creek †	West Fork	1.20	.40	...	...	...	...	...	...	.12	...	.09	...	.01	.76	...	...	...	1.35	.45	...	.14	.45	...	...	...	...	...	.54	.55	.10	...	6.16
Hall [2]	Tygart	T.	.19	.20	.26	...	...	...	...	.05	T.	T.	.03	.23	.20	T.	...	...	.19	.69	1.65	.18	.19	.70	...	...	...	...	1.05	.12	.80	...	6.73
Hastings	Ohio	.03	.50	.07	.08	...	...	...	.45	1.16	.47	.35	...	.07	...	...	...	...	1.20	1.96	.55	.17	.20	.97	...	...	...	...	.37	.17	1.05	...	9.82
Horner	West Fork	.25	.34	T.	.06	...	...	...	.02	.04	.07	...	...	.60	.05	...	...	...	.65	.65	.15	.25	.20	.22	...	.07	...	...	2.00	.60	.10	...	6.32
Ireland	do	.51	.76	.01	.08	...	...	...	.02	.28	.03	.25	...	.32	.15	...	...	...	.54	.02	...	...	.75	.06	...	...	...	...	.85	37	.03	...	5.03
Jackson's Mill†	do	1.35	.32	.20	.23	...	...	...	.13	.06	.11	T.	...	...	...	...	...	...	1.20	1.25	...	.39	.45	...	...	...	...	...	1.10	.87	.02	...	7.68
Jane Lew	do	.30	.25	...	.22	T.	...	...	.04	.38	T.	.05	...	.02	.08	...	...	...	.93	1.20	T.	.07	.67	...	...	...	...	...	.79	.86	.10	...	5.96
Lost Creek	do	1.10	.87	.15	.15	...	...	...	.07	.05	.11	...	...	.06	T.	...	...	...	1.25	.29	T.	.56	.15	.02	...	...	...	...	.65	.52	.15	...	6.15
Mannington	Monongahela	.80	.14	1.06	.35	...	...	...	.54	.29	.27	...	...	.49	.01	...	...	...	1.70	1.66	.02	.03	.61	.26	...	...	...	...	.98	.74	.50	...	10.45
Midvale [2]†	Tygart	...	.25	.20	.51	...	...	...	...	...	...	.09	.08	.48	.24	T.	...	...	.28	.75	1.12	.28	.51	.56	...	...	...	...	.16	.74	.49	...	6.74
Morgantown	Monongahela	1.49	.51	1.15	1.03	...	...	...	...	.70	.13	...	.09	.50	...	...	...	...	1.08	1.41	.06	...	1.53	.35	...	...	...	...	.30	1.63	1.40	...	13.36
Mt. Clare	West Fork	.63	.60	.13	.11	T.	...	...	.20	.06	.05	...	...	.01	.06	...	...	...	.10	1.50	...	.25	.70	.01	...	...	...	...	.49	.40	.50	...	5.80
New Cumberland	Ohio	.26	.12	.86	.18	...	...	...	.59	.02	.15	...	...	.91	...	...	...	...	.45	.38	.04	...	.09	.06	...	...	...	...	1.84	.15	.14	...	6.24
New Martinsville	do	.25	...	.35	...	...	...	...	.92	.14	.35	...	...	...	...	...	...	1.50	.84	...	...	.22	1.35	.32	...	...	...	...	.20	.50	.85	...	7.79
Parkersburg [1]‡	do	.50	.48	.13	T.	...	...	...	.22	.04	.05	T	...	.08	...	...	...	.01	.57	.50	...	.97	.42	...	...	...	...	T.	.06	.19	.04	...	4.26
Parsons	Cheat	*	*	1.40	...	...	...	...	.56	...	.61	T	...	*	1.19	...	...	...	*	2.69	...	...	1.08	...	...	...	...	...	*	*	2.00	...	9.53
Philippi [2]	Tygart	...	.38	1.76	.35	...	...	...	...	.26	...	.02	...	.08	.32	.02	...	...	.18	.68	1.46	.40	.02	.62	...	...	...	...	.74	.47	.84	...	8.60
Pickens	do	.60	.20	.46	.14	...	...	...	.22	.13	.10	...	...	1.73	.40	...	...	...	.90	.05	...	...	.20	1.50	...	...	...	...	.60	.50	1.10	...	8.83
Roanoke	West Fork	.90	.29	.02	...	...	...	...	.02	.05	...	.01	...	.16	.11	...	...	...	.40	.61	...	...	.22	.17	...	...	...	...	.65	.21	.22	...	4.04
Rockford †	do	.58	.64	.06	.15	...	...	...	.18	T.	.10	T	...	.11	.08	...	...	...	.78	.88	.02	.16	.30	.03	...	...	...	...	.77	.73	.08	...	5.65
Rowlesburg [2]	Cheat	T.	1.11	.42	1.02	...	...	...	...	.52	...	...	...	.09	.60	...	...	...	.52	.56	.53	.04	.04	.57	...	...	...	...	.53	.93	.53	...	8.01
Saint Marys [2]	Ohio	.02	.45	.04	.62	...	...	...	.45	.90	1.88	13	...	...	...	...	...	...	.43	1.34	.05	.28	.10	.58	...	...	...	...	.28	.20	1.67	...	9.42
Salem	West Fork	2.11	1.32	.53	T.	...	...	...	.32	.08	.06	...	...	...	T.	...	...	...	2.34	1.33	...	.05	1.15	...	...	...	...	...	.60	.48	T.	...	10.37
Shinnston	do	1.74	.27	.19	...	...	...	.04	1.24	.05	.10	...	...	.01	.19	...	...	...	1.39	1.60	T.	.20	1.49	...	...	...	...	...	.95	...	.98	...	10.44
Terra Alta [2]†	Cheat	.45	1.10	.08	...	...	...	...	.06	...	...	.01	.15	.30	T.	...	...	...	*	.95	.20	T.	.80	...	...	...	...	1.20	.45	.35	1.10	...	7.20
Thomas [2]	do	...	.22	.81	.75	.02	...	...	...	.40	...	...	...	.70	.60	...	...	...	.40	.90	1.00	.05	...	.80	...	...	...	...	.50	.24	.52	...	7.91
Valley Chapel	West Fork	1.15	.42	T.	.28	T.	...	...	.12	.20	.08	...	...	.10	...	...	...	...	.32	1.41	T.	.30	.45	.09	...	...	...	...	1.99	.63	.06	...	7.60
Valley Head [2]	Tygart	...	.09	.23	.25	T	...	...	...	...	...	.03	...	.04	.87	T.	...	...	.12	1.29	.33	T.	.10	.56	...	...	...	...	.66	.32	.19	...	5.08
Vandalia †	West Fork	.21	.25	.15	.08	...	...	...	...	...	.13	...	...	.58	.10	...	...	...	.80	.29	...	.63	.17	.07	...	...	...	...	1.36	.45	.22	...	5.49
Wellsburg (near)	Ohio	.09	.12	1.00	.32	...	...	...	.53	.08	.27	...	...	.35	...	...	...	...	.01	.21	T.	...	.10	.11	...	...	...	...	2.20	.56	.14	...	6.09
West Milford	West Fork	1.20	.68	.12	...	...	...	...	.20	...	...	...	...	.10	...	...	...	...	1.72	.66	.05	.05	.75	...	...	...	...	.35	.13	.15	.35	...	6.51
Weston [2]	do	...	.40	.48	.10	...	...	...	...	.10	.08	.07	...	...	.15	...	...	...	.20	.70	1.38	.28	.06	.80	...	...	...	...	.20	.28	.20	...	5.48
Wheeling (Dam 12) [2]	Ohio	...	.02	.02	1.07	...	...	...	...	.62	.52	.31	...	T.	.28	...	...	...	.02	2.03	.08	.02	.01	1.42	...	...	...	...	.69	.12	1.05	...	8.28
Southern Division																																	
Arbovale [2]	Greenbrier	.58	.86	.01	.04	...	...	...	...	.22	.05	...	...	.13	...	...	...	...	1.38	.26	...	...	.03	.02	...	...	...	.11	.18	.33	.50	...	4.70
Beckley	New	T.	1.25	.53	.17	...	...	...	.10	...	.12	...	...	T.	.14	...	...	...	.95	1.39	.17	.06	.05	...	...	...	...	.15	.11	.45	.26	...	5.90
Bluefield	New	.23	T.	.59	.70	...	...	...	.30	.61	.44	...	.26	.04	.14	...	...	...	...	.24	...	...	...	...	...	...	.74	...	...	.13	1.18	...	5.60
Camden-on-Gauley [2]	Gauley	...	.06	.66	.15	...	...	...	...	.11	.41	.42	...	.19	.19	.01	...	...	.07	.24	.09	...	...	.40	...	...	...	...	.08	.67	.38	...	4.13
Charleston [2]	Gr. Kanawha	.03	...	.69	.14	...	...	...	.06	.01	.20	...	.56	...	.42	...	...	...	.02	.61	.01	...	...	.05	T.	...	...	...	T.	1.34	.21	...	4.35
Clay [2]	Elk	.01	.12	.52	.06	...	...	...	...	.07	.06	.11	.01	...	.67	...	...	...	.40	.38	.19	...	...	.30	...	...	...	...	T.	.20	.68	...	3.78
Flat Top [2]	New	...	.06	1.79	.80	...	...	...	...	.24	.43	...	...	...	.40	...	...	...	...	.98	1.33	.06	.36	.02	...	...	...	...	.32	...	.88	...	7.67
Gary [2]	Big Sandy	T.	..	.65	.70	...	...	...	...	.34	.60	...	...	...	.11	...	...	...	...	.23	1.26	.01	...	.01	.01	...	...	...	.01	...	.30	...	4.23
Greenbottom [2]†	Ohio	...	.13	.51	.14	...	...	...	...	T.	T.	.47	...	.08	...	...	...	...	.33	.48	...	...	T.	.21	...	...	...	...	...	.60	.36	...	3.31
Hinton [2]	New	...	T.	1.39	1.35	.02	...	...	...	.22	.28	...	...	...	.12	...	...	...	T.	.36	.67	...	...	...	...	...	...	...	.72	T.	.74	...	5.87
Hogsett [2]	Ohio	...	T.	.36	.07	...	...	...	...	.43	.45	.43	...	...	.05	...	...	...	.40	.18	...	...	.03	.35	...	...	...	...	...	1.18	.04	...	3.97
Huntington	do	T.	.60	.99	.03	...	...	...	.17	.01	.85	.02	...	.31	...	...	...	.11	.57	.08	...	.04	...	.32	...	...	...	...	1.05	.05	T.	...	5.20
Institute [2]	Gr. Kanawha	T.	.08	.42	.35	...	...	...	...	.18	1.02	.63	...	...	.24	...	...	...	.06	.44	...	...	...	T.	.09	...	...	...	...	.33	.04	...	3.88
Kanawha Falls [2]†	do	...	.10	.30	.70	...	...	...	T.	...	...	...	...	.20	.23	...	...	...	1.75	.30	.70	...	...	.45	...	...	...	...	.15	.85	.15	...	5.88
Kayford [2]	do	.02	.16	1.29	1.49	...	...	...	.05	.06	.06	.20	...	.04	.24	...	...	...	...	.19	.10	.03	T.	.05	...	...	...	...	T.	.50	1.20	...	5.68
Lewisburg	Greenbrier	.06	.56	.36	.02	...	...	...	.02	.02	.12	...	...	.03	.14	...	...	...	...	.66	T.	.12	.01	.01	...	...	...	1.55	...	.17	.08	...	3.93
Logan [2]	Guyandot	T.	T.	.28	.29	...	...	...	.45	.83	.26	...	...	...	.29	...	...	...	.02	.57	.36	.16	.02	T.	.03	...	...	...	.01	.55	.58	...	4.70
London Locks [2]†	Gr. Kanawha	...	.20	.18	.66	...	...	...	...	.07	...	.09	...	.01	.50	...	...	...	.06	.30	.40	...	...	.01	.02	...	...	...	.08	1.23	.11	...	3.92
Madison [2]	Coal	.01	...	.27	.48	...	...	...	.07	.16	.16	.05	...	...	.15	...	...	...	...	.94	.02	.11	.09	...	...	...	...	...	...	.98	.58	...	4.07
Marlinton	Greenbrier	.55	...	...	.20	...	...	...	...	...	...	...	.25	.29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.....
Point Pleasant [2]	Ohio	.25	.33	.40	.07	...	...	...	...	.37	.07	.10	...	T.	T.	...	...	...	.40	.08	.25	...	.15	.13	...	...	...	...	...	.51	.06	...	3.17
Rainelle	Greenbrier	...	.54	1.08	.09	...	...	...	.15	...	.05	...	...	...	...	...	...	...	1.20	1.30	.30	...	.01	.25	...	...	...	.22	.13	.16	.11	...	5.59
Ravenswood [2]	Ohio	.02	.28	50	.37	...	...	...	T.	.11	.59	.06	...	...	T.	...	...	...	.25	.35	.10	...	.25	.03	...	...	...	...	...	.41	.31	...	3.63
Richwood [2]	Gauley	...	.03	.28	...	...	...	...	.13	.52	.32	...	...	.35	.04	...	...	.42	.36	.24	...	...	.68	...	...	...	...	.03	.52	.08	.04	...	4.04

Continued on next page.

Daily Precipitation for June 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.53	.90	.21	....	....	....	....	.01	.03	.25	....	....	.11	....	....	....	.01	.77	.14	....	....	.07	.06	....		....	.25	.32	.52	....	....	4.18
Seneca State Forest†	Greenbrier	.19	.36	.02	.05	....	....	....	.05	.07	.42	....	....	.45	....	....	....	....	.99	.34	....	....	....	....	....	....	....	....	.21	.24	.41	....	3.80
Spencer[2]	Litl.Kanawha	.02	.11	.94	.24	....	....	....	T.	....	.06	.11	....	....	.05	....	....	....	.35	1.07	.02	....	.05	.03	....	....	....	....	.08	.31	.04	....	3.48
Sutton	Elk	.20	.60	.15	....	....	....	....	....	.10	.35	....	....	.30	.40	....	....	....	.25	.50	....	....	.10	.20	....	....	....	....	.45	.40	.15	....	4.15
Thornwood[2]	Greenbrier	.20	.32	....	....	....	....	....	.30	.24	.10	....	....	.31	....	....	....	....	1.75	.11	T.	.05	.29	....	....	....		....	.35	.30	.31	....	4.63
Union	New	.07	....	.42	.38	....	....	....	....	....	1.29	.05	....	.35	.15	....	....	....	....	.97	....	....	....	.04	....	....	....	.35	.03	.25	.36	....	4.71
Wayne[2]	Twelvepole	.10	.07	....	.19	....	....	....	.26	.09	....	.17	....	....	.02	....	....	....	....	.83	.02	....	....	....	....	....	....	....	....	.13	.36	....	2.24
White Sulp'r Spgs.[2]	Greenbrier	....	.25	.20	....	....	....	....	....	....	....	....	....	.20	....	....	....	....	.40	.40	....	....	.35	....	....	....	....	.90	....	.15	....	....	2.85
Williamson[2]	Big Sandy	.04	....	.18	.24	....	....	....	.59	.43	.25	....	....	....	.52	....	....	....	.19	.80	.70	.05	1.60	.30	.01	....	....	.03	.01	.09	.60	....	6.63
Winfield Locks[2]†	Gr. Kanawha	T.	.09	.05	.89	....	....	....	.39	....	.06	.11	....	....	.36	....	....	....	.06	1.08	....	.01	....	.05	....	....	....	....	....	1.31	.01	....	4.47

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for June 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	83	65	74	73	79	80	85	84	83	82	82	73	69	68	82	85	89	70	73	76	82	81	74	76	78	80	85	78	79	72	....	78.0
	Minimum	50	55	54	54	33	35	45	48	55	55	47	53	47	52	39	42	55	53	55	60	56	54	57	43	50	40	42	51	51	52	....	49.4
Beckley	Maximum	82	83	80	76	84	84	88	84	85	84	80	78	76	75	86	91	83	78	68	76	78	79	75	70	74	80	80	74	78	76	....	79.5
	Minimum	60	58	59	57	44	47	49	60	57	57	61	50	54	55	50	57	63	60	62	62	57	57	60	47	47	47	57	61	59	60	....	55.8
Bluefield	Maximum	82	85	77	77	83	84	86	87	83	82	84	78	78	77	84	89	88	88	78	84	86	87	86	79	82	88	88	84	80	76	....	83.0
	Minimum	64	63	65	62	52	56	56	64	63	62	64	57	63	61	58	65	67	67	68	68	62	66	64	57	54	54	63	65	66	64	....	62.0
Buckhannon	Maximum	80	77	79	75	77	80	85	83	83	81	83	82	78	70	80	87	86	80	85	78	82	86	75	76	79	79	83	80	78	74	....	80.0
	Minimum	55	63	61	63	48	53	64	62	63	61	61	60	58	58	50	60	69	68	67	67	62	62	60	58	58	56	58	65	64	68	....	60.7
Charleston[3]	Maximum	88	88	86	87	90	92	86	84	88	87	82	78	83	91	95	94	87	86	90	92	93	92	85	90	93	94	87	85	84	84	....	88.0
	Minimum	71	69	67	67	64	65	62	68	64	68	66	66	67	63	63	64	72	71	71	73	70	69	70	64	65	61	61	71	67	69	....	66.9
Clarksburg[3]	Maximum	82	84	86	79	86	88	92	90	89	88	85	80	78	75	89	95	91	80	83	85	89	87	79	82	87	85	92	82	80	82	....	85.0
	Minimum	61	64	64	65	50	53	57	63	63	64	62	61	61	58	49	56	71	69	68	72	65	65	66	55	57	57	58	65	64	68	....	61.7
Elkins	Maximum	78	79	77	74	81	83	86	85	84	83	83	75	75	70	84	90	85	82	79	80	84	85	76	76	81	82	87	79	77	77	....	80.6
	Minimum	62	64	63	52	48	55	54	59	66	62	60	57	56	53	52	62	68	66	64	65	63	63	59	56	57	56	57	62	62	62	....	59.5
Fairmont[3]	Maximum	82	79	80	80	86	87	92	89	86	88	85	78	78	74	89	95	93	78	83	85	89	87	80	80	87	85	92	82	78	78	....	84.2
	Minimum	67	66	64	63	56	55	59	65	64	66	65	60	61	58	50	60	70	68	65	70	66	66	65	54	60	57	60	67	65	69	....	62.7
Flat Top	Maximum	74	78	71	69	75	78	80	77	77	76	72	69	67	70	80	82	80	78	71	77	78	78	72	73	76	80	78	75	74	70	....	75.2
	Minimum	65	61	62	59	53	54	58	63	63	60	61	54	60	56	56	64	67	66	63	64	65	66	61	55	58	60	62	62	64	62	....	60.8
Gary[3]	Maximum	85	83	85	78	87	86	89	86	86	87	84	79	79	78	90	94	91	88	84	87	89	89	81	81	86	88	87	88	84	84	....	85.4
	Minimum	65	64	65	64	55	55	57	65	62	61	63	58	61	63	56	63	66	67	69	66	65	66	65	59	56	60	62	66	68	65	....	62.6
Glenville	Maximum	90	79	79	82	87	91	90	84	78	76	82	82	80	75	89	96	95	92	86	88	88	88	87	84	90	90	90	86	78	79	....	85.4
	Minimum	67	65	66	65	52	56	57	65	63	63	62	60	60	58	53	58	68	68	69	70	67	66	67	56	60	59	57	68	65	69	....	62.6
Grafton	Maximum	94	86	82	79	79	85	88	92	89	87	84	86	79	78	85	91	94	92	83	83	85	90	87	82	82	88	92	94	80	77	....	85.8
	Minimum	66	65	63	63	48	52	57	61	62	62	61	61	59	57	50	60	67	68	65	68	64	64	64	54	58	55	58	66	64	67	....	61.0
Huntington	Maximum	88	89	88	80	88	93	95	90	90	84	83	83	78	75	91	97	96	84	83	93	90	92	86	86	94	95	93	88	83	88	....	88.1
	Minimum	71	69	70	64	57	59	63	72	68	66	69	59	66	61	56	64	72	72	73	74	71	71	68	58	62	64	65	71	69	71	....	66.5
Lewisburg	Maximum	82	85	75	80	83	86	87	85	84	84	83	79	80	79	85	91	87	87	78	84	87	87	85	82	85	89	86	83	78	78	....	83.5
	Minimum	65	61	64	62	51	54	53	65	67	61	60	56	57	60	54	63	66	66	63	67	63	63	65	53	52	55	61	63	62	64	....	60.5
Logan[3]	Maximum	89	94	85	82	90	92	95	88	87	91	85	83	77	80	92	97	94	92	86	90	89	92	85	85	91	94	95	89	82	85	....	88.5
	Minimum	70	67	68	68	58	58	60	66	66	64	67	64	63	63	60	66	70	70	71	70	69	70	69	62	60	64	69	69	67	68	....	65.9
Madison[3]	Maximum	88	91	84	80	86	89	91	90	87	87	85	81	79	78	90	95	94	90	82	88	90	90	84	83	90	89	94	86	81	81	....	86.8
	Minimum	70	66	67	64	58	58	59	64	65	64	67	61	62	61	59	66	69	71	71	71	69	67	70	61	60	63	68	64	66	67	....	64.9
Mannington	Maximum	82	76	81	75	80	83	85	83	82	82	81	77	74	68	83	87	87	81	80	81	85	84	76	75	82	81	85	79	80	78	....	80.4
	Minimum	65	65	62	63	49	50	56	61	62	64	61	59	59	58	49	60	66	68	65	67	65	65	67	52	59	53	56	65	64	67	....	60.7
Marlinton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg[3]	Maximum	90	74	69	83	88	92	97	95	92	91	95	85	80	78	80	98	86	63	76	86	90	86	87	82	85	82	86	72	82	87	....	84.6
	Minimum	66	59	59	59	53	57	55	57	69	69	66	67	62	65	53	55	74	56	53	63	60	64	62	62	60	60	62	60	62	66	....	61.2
Morgantown	Maximum	88	78	82	80	87	79	83	80	79	82	79	74	71	69	75	88	88	80	76	78	86	80	75	75	81	84	87	89	82	82	....	80.6
	Minimum	66	59	60	62	50	48	50	57	61	65	67	58	59	58	52	66	72	66	63	69	65	65	65	51	60	56	60	65	68	66	....	61.0
New Martinsville	Maximum	77	85	85	82	87	93	95	88	86	87	82	80	74	75	89	95	93	86	85	87	90	87	80	82	88	87	90	85	84	82	....	85.5
	Minimum	68	76	67	60	53	55	59	62	65	66	67	58	58	57	52	65	62	65	66	65	64	66	65	55	62	48	60	68	66	65	....	62.2
Parkersburg	Maximum	80	85	85	76	84	88	92	90	88	86	81	78	69	73	88	93	93	84	87	85	91	90	77	82	87	85	89	82	85	85	....	84.6
	Minimum	68	67	68	60	55	58	60	68	66	67	67	58	59	56	51	66	74	71	70	72	68	69	64	58	65	64	63	70	67	68	....	64.6
Pickens	Maximum	80	76	76	72	80	79	84	83	80	80	81	77	72	66	80	85	82	81	80	76	82	80	76	74	79	81	85	78	75	71	....	78.4
	Minimum	60	60	62	58	45	52	54	58	55	60	61	55	52	55	47	60	62	64	62	66	61	60	58	51	52	52	58	62	58	61	....	57.4
Point Pleasant	Maximum	78	89	85	79	88	89	93	91	89	83	83	80	78	75	91	96	96	92	85	88	92	91	87	84	91	92	94	91	85	86	....	87.4
	Minimum	69	68	67	62	54	57	57	72	62	66	67	57	60	58	53	64	70	70	71	72	70	70	67	57	64	62	63	70	68	70	....	64.6
Rainelle	Maximum	84	81	76	74	84	83	87	81	85	84	83	79	75	76	80	91	88	86	78	81	84	86	77	77	82	87	83	77	76	75	....	81.3
	Minimum	62	53	63	58	48	50	48	58	57	57	54	51	53	58	48	57	60	64	62	61	60	59	62	51	48	49	57	62	59	55	....	56.1
Richwood[3]	Maximum	82	83	77	75	85	88	88	83	85	81	83	77	77	74	77	92	88	87	80	82	86	87	78	78	83	86	86	80	79	77	....	82.1
	Minimum	62	64	62	48	52	48	52	61	58	60	62	56	58	51	61	63	67	61	65	64	61	64	56	53	52	59	65	59	64	56	....	58.8
Romney	Maximum	91	71	69	81	84	88	87	92	90	90	92	83	79	76	89	95	96	89	76	86	89	90	87	82	85	91	87	84	87	83	....	85.6
	Minimum	65	61	60	60	47	53	55	60	62	66	60	65	58	64	52	64	67	62	59	64	61	65	66	52	55	66	53	67	66	65	....	60.7
Spencer[3]	Maximum	82	86	85	78	85	90	91	89	89	85	84	79	78	75	90	96	94	85	86	86	94	90	82	83	89	90	93	85	83	86	....	86.3
	Minimum	69	66	67	64	52	55	57	62	65	64	67	60	60	58	51	60	71	71	70	73	69	67	67	55	61	59	59	68	66	71	....	63.5
Sutton	Maximum	84	82	82	83	85	89	91	91	90	90	85	84	82	75	91	94	94	94	91	85	93	93	91	82	89	89	93	93	77	83	....	87.5
	Minimum	66	64	64	66	56	60	58	59	60	57	62	63	60	59	55	62	67	63	69	68	67	66	68	58	59	58	54	66	64	67	....	62.2
Wardensville[3]	Maximum	84	63	70	75	84	87	85	90	88	88	88	82	78	75	84	94	91	67	78	84	86	88	81	80	85	81	84	79	88	84	....	82.4
	Minimum	62	61	58	60	45	52	53	57	61	64	59	59	55	63	52	60	63	64	57	62	60	63	62	52	52	52	59	65	64	63	....	58.6
Weston	Maximum	83	87	87	82	88	92	93	92	87	88	88	84	81	76	91	97	94	91	85	87	93	91	90	84	90	88	93	89	84	86	....	88.0
	Minimum	68	65	66	65	50	55	57	64	64	65	64	62	61	59	52	61	61	70	70	72	67	65	67	57	60	57	58	68	65	70	....	62.8
Wheeling[3]	Maximum	77	85	83	82	85	90	93	89	82	85	81	77	62	72	85	93	94	74	79	86	89	87	78	81	87	85	90	84	84	84	....	83.4
	Minimum	63	68	66	58	53	58	61	64	66	66	70	59	59	56	52	57	65	69	66	66	67	69	66	55	61	57	60	68	68	69	....	62.7
Williamson[3]	Maximum	92	91	86	83	95	96	96	88	89	94	88	85	78	83	96	100	96	89	86	90	92	94	88	90	93	92	93	87	82	88	....	90.0
	Minimum	70	68	68	67	59	60	63	67	69	65	68	65	65	58	61	66	72	70	72	70	71	71	69	64	62	66	67	70	69	69	....	66.7

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.212	.090	.062	.006	.318	.234	.145	.147	.160	.109	.263	.144	.254	.062	.147	.275	.053	.327	.099	.165	.137	.134	.158	.124	.314	.252	.201	.228	.101	.123	....	5.044
	Wind movement	31	16	6	34	132	20	42	17	32	26	18	52	58	42	30	51	47	23	33	62	68	1	24	60	20	28	17	17	12	19	....	1,038

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 7-31-39—900)

WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., JULY 1939 No. 7

GENERAL SUMMARY

This was the coolest July since 1924. Mean temperatures were generally below normal, except for a few counties in the extreme northern and southern parts of the state. Generally, the highest temperatures were in the 90's and occurred on the 8th. The 13th and the 26th to the 28th were also dates when the near 90's or over occurred. These temperatures were offset by cool nights and cool periods during the first and middle of the month. Light frost occurred at Terra Alta on the 16th.

Rainfall was considerably above normal over the entire state, except for Hancock, Brooke, Ohio, Preston, Gilmer, Wayne, and Fayette Counties and portions of Harrison, Lewis, and Roane Counties, where slight deficiencies were reported. On July 9th a heavy rain at the head of the small tributaries of Burning Springs Run caused a destructive flood at the village of Burning Springs. Farm crops were completely overflowed, oil tanks and equipment were washed away, and several houses were flooded and occupants were forced to flee. Beckley suffered damage in a thunderstorm on the 19th. Heavy precipitation of the 19th to the 21st, inclusive, caused the Tygart River to reach a crest of 9.60 feet at Dailey on the 21st, which was 0.6 foot above flood stage. A heavy local storm on the 29th brought Stillwell Creek over its banks, causing some damage to the road and two bridges on U. S. Highway 50 near Dallison, Wood County. The creek in flood washed out crops and corn fields and caused some loss by drowning to farm stock.

Storm damage was reported in Braxton and Marion Counties and at Waverly Station. Also considerable damage was done to areas around Rosedale, Fairview, Farmington, Fairmont, and Mannington by excessive rains that fell on the 29th. On the same date Berkeley Springs had a very heavy rain with no damage; and Huntington reported a rainfall of 2.94 in two hours with very little damage.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 72.1°, or 1.1° below the normal. The mean for the northeastern panhandle division was 71.2°; for the northern division, 71.5°; and for the southern division, 73.3°. The highest monthly mean was 78.4° at Williamson and the lowest, 63.3° at Bayard. The highest temperature was 99° at Hinton on the 13th and the lowest, 33° at Bayard on the 16th. The greatest daily range was 47° at McNeill and Seneca State Forest on the 16th.

PRECIPITATION

The average monthly precipitation for the State. based on the records of 105 stations, was 5.81 inches, or 1.20 inches above the normal. In the northeastern panhandle division the average was 5.54 inches; in the northern division, 5.56 inches; and in the southern division, 6.37 inches. The greatest monthly precipitation was 11.09 inches at Williamson and the least, 3.32 inches at Wellsburg. The greatest amount in any 24 consecutive hours was 3.83 inches at Seneca State Forest on the 29th. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	7	8	6	2	1	11	11	2	6	7	13	6	..	..	9	15	12	1	13	5	2	5	8	4	18	12	3	13	2	3	1
Gales	..	..	..	..	..	..	..	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	1	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	1	..	..
Halos, solar	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	3	..	3	7	11	2	5	18	9	13	5	..	6	24	1	..	..	6	3	3	..	..	6	13	1	7	15	9	15	10	2

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

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Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.98	30.25	11	29.73	13	5.2	21	n.	8	84	56	68	61
Columbus, Ohio	29.97	30.23	11	29.69	13	6.9	37	sw.	8	83	58	63	59
Elkins	30.02	30.22	11	29.70	14	4.5	24	nw.	8	93	62	80	55
Parkersburg	29.98	30.22	11	29.68	14	4.8	23	nw.	8	86	57	64	67
Pittsburgh, Pa	30.00	30.21	11	29.64	13	8.6	29	nw.	8	82	54	63	66
Wytheville, Va	30.03	30.21	12	29.78	14	5.1	21	nw.	18	88	61	71	41

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	67.5	......	......	5.08	6.57	3.50	5.59	0.0	......	......	......	......
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	......	......	......
1893	73.8	98	42	4.40	2.50	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.82	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.84	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	9.07	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.2	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	2.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.84	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	31	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	1.90	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	77.5	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	112	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
Period	73.2	112	31	3.81	4.70	4.62	4.61	.0	11	15	10	6

Climatological Data for July 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	63.3	−4.3	87	8	33	16	41	5.37	+1.13	1.03	0.0	17	19	7	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	71.6	+.3	91	8	45	17	39	7.15	+3.58	2.25	.0	16	15	0	16	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	50	......	......	......	......	......	......	......	4.71	+1.21	1.35	.0	15	......	......	......	......	Miss Eleanor White
Inwood	Berkeley	569	7	72.2	......	90	§7	47	17	33	4.12	......	.88	.0	11	11	15	5	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	73.0	......	92	8	49	16	31	3.51	......	1.19	.0	12	9	19	3	sw.	University Exper. Station
Martinsburg	Berkeley	435	47	74.9	−.8	98	8	53	§16	33	3.49	−.13	.50	.0	17	14	16	1	se.	Dr. H. S. Gardner
McNeill	Hardy	800	43	70.4	−1.2	96	8	39	17	47	6.04	+3.01	1.65	.0	11	11	12	8	w.	R. E. Saville
Piedmont	Mineral	1,053	26	71.2	−1.1	93	8	47	16	31	4.73	+1.25	1.43	.0	16	9	16	6	se.	C. A. Suter, Jr.
Romuey	Hampshire	824	41	72.2	−2.7	95	8	45	16	37	4.53	+1.05	1.12	.0	13	14	5	12	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	......	......	......	......	......	......	......	8.84	......	2.63	.0	19	......	......	......	......	Moses R. Bennett
Stony River Dam	Grant	3,300	19	......	......	......	......	......	......	......	6.66	+2.52	1.35	.0	14	5	6	20	w.	A. C. Becker
Wardensville	Hardy	1,200	18	70.9	+.3	93	8	46	17	35	6.74	+3.64	1.49	.0	19	10	13	8	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	......	......	......	......	......	......	......	6.41	+1.62	1.28	.0	16	4	18	9	......	L. Esle Bond
Alma (near)	Tyler	800	12	......	......	......	......	......	......	......	5.01	+.92	.96	.0	16	11	10	10	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	65.6	......	87	§7	36	16	37	6.52	......	1.18	.0	20	8	14	9	......	Christian Hertig
Benson	Harrison	1,080	15	72.2	−.3	96	7	44	16	39	5.62	+.47	.90	.0	15	7	19	5	......	R. D. Marts
Bens Run	Pleasants	652	37	......	......	95	7	......	......	......	5.37	+.84	1.58	.0	12	26	3	2	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	73.0	−.8	94	§7	44	11	40	5.21	+.41	.87	.0	17	8	16	7	......	M. D. Hawkins
Buckhannon	Upshur	1,411	42	67.8	−4.0	85	28	41	11	35	5.79	+1.07	.93	.0	12	16	12	3	......	H. A. Darnall
Cairo	Ritchie	680	38	73.7	−.6	95	7	48	15	35	6.99	+2.57	1.82	.0	12	15	13	3	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	72.5	−1.3	95	7	47	16	35	4.76	+.68	.86	.0	18	15	5	11	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	16	......	......	......	......	......	......	......	5.26	+.12	.95	.0	14	11	11	9	sw.	George W. Blair
Creston	Wirt	640	37	70.4	−4.3	92	8	47	16	33	6.20	+1.98	1.00	.0	16	12	14	5	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	......	......	......	......	......	......	......	6.64	+2.56	1.36	.0	18	......	......	......	......	Lockmaster
Dam 13 O. R	Marshall	655	23	......	......	......	......	......	......	......	4.63	+.27	1.85	.0	13	......	......	......	......	Lockmaster
Dam 15 Mon. R	Marion	882	18	......	......	......	......	......	......	......	5.98	+2.05	1.40	.0	15	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	23	......	......	......	......	......	......	......	3.87	−.06	.97	.0	15	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	23	......	......	......	......	......	......	......	7.62	+3.69	1.85	.0	15	......	......	......	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	......	......	......	......	......	......	......	5.29	+.89	.95	.0	14	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	38	69.0	−1.3	89	7	47	16	30	6.43	+1.05	1.50	.0	17	3	13	15	se.	U. S. Weather Bureau
Fairmout	Marion	883	33	72.6	−1.7	93	§7	49	16	34	4.65	+.25	1.36	.0	17	17	10	4	w.	J. C. Robinson
Glenville	Gilmer	738	45	73.1	−2.2	94	7	47	16	37	3.58	−1.29	1.06	.0	15	11	8	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	72.8	+.2	94	8	46	16	36	4.51	+.43	1.20	.0	15	12	12	7	......	L. W. Clayton
Hastings	Wetzel	809	4	......	......	......	......	......	......	......	5.33	......	1.00	.0	18	12	11	8	w.	L. G. McIntyre
Horner	Lewis	1,044	16	......	......	......	......	......	......	......	4.88	+.08	.78	.0	14	......	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	16	......	......	......	......	......	......	......	4.43	−.51	1.02	.0	19	......	......	......	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	71.0	−1.2	92	7	45	16	36	5.55	+1.22	1.17	.0	14	12	9	10	w.	Allen Smith
Mannington	Marion	974	36	70.0	−1.8	87	§7	46	16	31	6.65	+1.86	2.28	.0	16	11	12	8	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	69.3	−4.2	90	7	48	16	27	7.22	+2.84	1.77	.0	11	14	7	10	......	Bruce Davis
New Cumberland	Hancock	671	41	71.6	−1.4	94	7	40	17	44	4.03	−.05	.94	.0	13	10	4	17	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	74.4	−.8	94	7	58	§3	30	6.85	+2.36	1.35	.0	11	8	21	2	s.	Wm. Ankrom
Parkersburg	Wood	615	52	74.2	−1.2	94	7	51	16	31	4.62	+.33	1.10	.0	13	6	16	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	71.3	+.5	93	§7	47	17	34	5.73	+.64	1.72	.0	10	14	11	6	......	J. W. Swisher
Philippi	Barbour	1,300	42	......	......	......	......	......	......	......	6.16	+1.43	1.32	.0	15	......	......	......	......	Mrs. Maxine Leach
Pickeus	Randolph	2,697	36	66.7	−1.9	85	8	42	16	32	8.07	+2.03	1.75	.0	18	10	8	13	sw.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	......	......	......	......	......	......	......	3.82	−1.07	.80	.0	16	15	5	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	......	......	......	......	......	......	......	6.58	+1.38	1.46	.0	15	......	......	......	......	W. H. Bolyard
Saint Marys	Pleasants	625	31	......	......	......	......	......	......	......	5.20	+1.04	1.10	.0	15	......	......	......	......	Edward Hughes
Terra Alta	Preston	2,559	38	68.5	+.3	90	7	39	16	37	4.80	−.44	.80	.0	14	17	7	7	w.	John Dee Williston
Thomas	Tucker	3,000	10	......	......	......	......	......	......	......	7.36	+1.38	1.25	.0	14	......	......	......	......	W. Sleeman
Valley Chapel	Lewis	1,011	16	74.2	+.2	96	7	48	16	38	4.79	−.14	.76	.0	17	11	8	12	w.	S. A. Spence
Vandalia	Lewis	1,120	16	......	......	......	......	......	......	......	4.33	−.83	.94	.0	12	......	......	......	......	James B. Kelley
Wellsburg (uear)	Brooke	668	32	70.6	−1.6	94	7	44	§16	43	3.32	−.86	.70	.0	9	16	10	5	......	George P. Pfister
West Milford	Harrison	979	14	......	......	......	......	......	......	......	4.50	−.15	.65	.0	14	......	......	......	......	Scotland G. Highland
Weston	Lewis	1,026	44	74.4	.0	95	§7	48	16	35	5.29	+.87	.86	.0	16	2	17	12	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	73.1	−1.7	92	7	52	16	33	4.15	−.15	1.17	.0	13	11	12	8	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	......	......	......	......	......	......	......	9.48	+4.77	2.95	.0	16	13	10	8	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	68.0	−3.2	88	§6	41	17	42	5.84	+1.46	1.68	.0	13	10	18	3	......	L. A. Mauck
Bluefield	Mercer	2,558	44	71.8	+.2	89	10	50	§12	32	4.70	+.63	1.20	.0	15	13	17	1	......	Norfolk & Western Ry.
Charleston	Kanawha	602	36	76.0	−.9	94	6	55	17	35	5.28	+.50	1.00	.0	12	13	0	18	......	Charleston Daily Mail
Clay	Clay	790	23	......	......	......	......	......	......	......	6.61	+1.63	1.14	.0	19	......	......	......	......	L. E. Woofter
Flat Top	Mercer	3,260	1	......	......	......	......	......	......	......	......	......	......	..	..	......	......	......	......	U. S. Airway Statiou
Gary	McDowell	1,426	23	73.2	+.1	91	6	51	17	35	8.31	+3.38	1.32	.0	16	......	......	......	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	73.9	......	95	8	50	16	36	7.42	......	1.61	.0	14	16	8	7	sw.	State Forest Nursery
Hinton	Summers	1,431	42	75.6	+1.2	99	13	49	17	44	4.28	+.21	.70	.0	13	......	......	......	......	Mrs. M. L. McClung
Hogsett	Mason	564	23	......	......	......	......	......	......	......	3.36	−.52	.90	.0	14	......	......	......	......	Lockmaster
Huntington	Cabell	571	42	77.1	+.5	96	8	53	16	34	6.94	+2.64	2.94	.0	11	4	21	6	sw.	H. N. Robinson
Institute	Kanawha	616	1	75.3	......	94	7	52	16	34	5.10	......	1.67	.0	12	......	......	......	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	......	......	......	......	......	......	......	4.20	−.66	1.25	.0	11	......	......	......	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	......	......	......	......	......	......	......	5.83	+.66	.95	.0	13	......	......	......	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	70.7	−.3	89	8	47	17	37	5.14	+1.25	1.64	.0	13	11	9	11	......	J. K. Monroe
Logan	Logan	700	36	76.9	......	96	8	57	17	32	8.77	+3.84	1.25	.0	18	9	14	8	......	Paul A. Simonds
London Locks	Kanawha	623	3	75.0	......	93	§6	54	17	31	6.20	......	2.00	.0	15	5	0	26	w.	Lockmaster
Madison	Boone	675	18	75.0	+.2	92	§6	54	17	31	8.06	+2.73	2.04	.0	15	6	0	25	......	C. B. Whitlock
Marliuton	Pocahontas	2,125	39	......	......	......	......	......	......	......	......	......	......	..	......	......	......	......	......	Edward A. Moore
Point Pleasant	Mason	595	46	75.4	−1.0	96	7	52	16	33	4.56	+.42	1.03	.0	14	10	15	6	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	68.8	......	89	§8	38	17	46	5.16	......	1.30	.0	14	18	6	7	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	74.3	−.8	93	6	46	16	39	6.17	+2.15	1.05	.0	14	16	4	11	nw.	Lockmaster
Richwood	Nicholas	2,193	9	69.9	......	91	13	44	16	33	9.37	......	2.54	.0	15	4	20	7	se.	Cherry River Paper Co.
Ryan	Roane	700	36	72.5	−.6	91	8	45	16	40	3.44	−1.16	1.30	.0	11	15	9	7	......	Wm. E. Ryan
Seneca State Forest	Pocahoutas	2,650	..	67.7	......	90	§8	35	16	47	9.70	......	3.83	.0	13	6	21	4	e.	Supt., State Forest
Spencer	Roane	789	35	74.0	+.4	94	8	48	16	37	5.25	+1.01	1.20	.0	14	9	17	5	......	A. M. McKown
Sutton	Braxton	850	33	74.3	−.5	95	§13	50	§16	36	8.70	+3.37	1.45	.0	13	18	0	13	......	C. B. Eakle
Union	Monroe	2,250	35	71.6	.0	90	§6	45	17	38	5.31	+1.52	1.81	.0	13	10	12	9	......	C. B. King
Wayne	Wayne	598	12	......	......	......	......	......	......	......	4.15	−.44	.94	.0	15	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	71.0	−.6	91	§6	42	17	39	4.00	+.08	1.10	.0	9	20	5	6	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	78.4	+2.3	97	8	58	§12	36	11.09	+6.66	3.46	.0	16	12	17	2	nw.	J. E. Dotson
Winfield Locks	Putnam	570	1	......	......	......	......	......	......	......	5.30	......	1.07	.0	15	......	......	......	......	Lockmaster
State averages and	extremes	......	....	**72.1**	**−1.1**	**99**	**13**	**33**	**16**	**47**	**5.81**	**+1.20**	**3.83**	**.0**	**14**	**12**	**11**	**8**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for July 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.25			.07	.55		.02		.50		.26			.50					.54	T.	.51	1.03	.01	.05	.04		T.	.24	.05	.68	.07	5.37
Brandywine	do				.35		.80	.20	.75	.10	.35				.05				.45	2.25	.30	.07	.05		T.	.35	.07		T.	.95	.06		7.15
Brushy Run[2]	do	.03				.14	.07					.06			.04					.37	.02	2.66	.49		.02	T.	.83			1.01	.45	.02	6.21
Harpers Ferry[2]	do	.31				.10	.24			.05		.01			.31	.01			T.	.37		.20	.08			.10		.05	1.35	T.	.78	.75	4.71
Inwood	do	.20				.88									.22				.42		.07	.30	.40			.07		.35			.51	.70	4.12
Kearneysville	do					1.19				T.	.06				.11				.46		.04	.46	.03		.22			.07		.32	.13	.42	3.51
Knobly Mountain[2]†	do	.32		.23	.06	.04		.30				.08			.43				T.	.50	T.	.93	1.30	.02			.05		.06		.64	.20	5.16
Martinsburg[2]	do	.10				.35	.32			.05	.20	.01			.50				.01	.45		.40	.15			.05		.02	.18	.10	.50	.10	3.49
McNeill	do	T.			.25	.72			.55		T.				.44				.37		.66	1.65	.55	T.	.06			T.		.60	.19		6.04
Petersburg	do	.01			.42	.13					.06								.62		.72	2.13	.25		T.		.11	T.		1.37	.02		5.84
Piedmont	do	.06			.24	.10				.02	.20			.01	.17				.61		.13	.20	1.23		.12		.04	.48	T.	.95	.17		4.73
Romney	do				.12	.20			.40						.16				.50		.25	1.12	.48		.10		.32	.33		.25	.30		4.53
Spruce Knob[2]†	do	.64				.46	.18	.37		T.	.14				.31				.08	.49	.14	2.63	.63	.22	.31	.13	.37	.49		.64	.39	.22	8.84
Stony River Dam[2]†	do	.37				.67				.24					.34					.52	.07	1.35	1.12		.06		.40		.33	.10	.42	.67	6.66
Wardensville[2]	do	.10	.02			.13	.25	.03		.05		.31			.36				.01	.33	.04	1.34	.57	.02	.03			.56	1.49	T.	.49	.61	6.74
Northern Division																																	
Aberdeen†	West Fork	.13			.01	.82				.06	.49			T.	1.28				.64	T.	.35	.54	.34		.32		T.	.44	.08	.30	.26	.35	6.41
Alma (near)	Ohio					.45			.96	.04	.04								.54	.01	.15	.54		.06	.58		.27	.34	.03	.55	.15	.30	5.01
Alpena	Cheat	.03			.04	.74		.29	.05	T.	.28				.20				.65	.08	1.18	.97	.04	.14	.28	.31	.07	.10		.66	.39	.02	6.52
Belington[2]	Tygart	.29			T.	1.67	.01		.28	.28	T.	.39			.34				T.	.43	.06	.32	.19	T.	.35	.04		.23	.27	.08	.59	.39	6.21
Benson†	West Fork	.15			.22	.65			.12		.75				.55				.70		.50	.05		.15	.05			.35		.08	.90	.40	5.62
Bens Run	Ohio				.19	.30				.80	.18								.71	T.	.39	.21			.11		.25	.10		1.58	.55		5.37
Brownsville†	West Fork			.20	.03	.53			.23		.28				.12				.87	.15	.69	.34			.47	.01	.11	.17	.26	.43	.32		5.21
Buckhannon	Tygart	.50			.52	.56			.21		.32				.90				.54	T.	.93	.37			.33			T.		.54	.07		5.79
Buckhannon No. 2[2]	do	.77		T.	T.	.84				.60		.25			.97				T.	.51	.10	.80	.24			.20		.22	T.	.09	.45	.15	6.19
Cairo	Litl.Kanawha				.10	.78				.50	.25								1.21	.06	.80	.15			.23					1.82	.44	.65	6.99
Clarksburg[2]	West Fork	.37				.86	.02			.04		.35			.10				.20	.34	.13	.47	.05		.67	.03		.27	.25	.10	.08	.43	4.76
Crawford	do				.04	.60		.04	.22		.02				.03				.74	.10	.50	.70			.67		T.	.28		.95	.37		5.26
Creston[2]	Litl.Kanawha	.05			.40	1.00	T.			.80	.09	.09			.05				T.	.75	.55	.44	T.		.04	.05			.85	.54	.13	.37	6.20
Dailey[2]†	Tygart	.34				.36	.20			.14		.69			.05				T.	.79	.13	1.37	.14	.10		.37		.02		.72	.64	.32	6.38
Dam 10, Mon. R.[2]†	Monongahela	.97			.26	1.36				1.32	.17	.15		.02	.02				.06	.63	.06	.12	.78		.01	T.		T.	.30	.05	.31	.05	6.64
Dam 13, O. R.[2]†	Ohio	.73				.43	.01			1.85									.10	.45			.15		.04			.50	.05	.03	.23	.06	4.63
Dam 15, Mon. R.[2]†	Monongahela	.49				1.40	.02			.56		.07			.02				T.	.50	.60	.09	1.03		.13			.12	.76	T.	.16	.03	5.98
Dam 19, O. R.[2]†	Ohio	.02			.01	.24		.97		.10					.01				.36	.68	.33	.25	.42		.05	.15	T.			.25	.03	T.	3.87
Dam 20, O. R.[2]†	do				.06	.58		1.85		.92					T.				.68	.53	.41	.45	.52		.10	.50	.01		.63	.28	.10		7.62
Elizabeth (Dam 3)[2]	Litl.Kanawha			.08	.95				.56	.22								.41	.60	.93	.06	.02		.05	.08			.20	.85	T.	.28		5.29
Elk†	West Fork					1.00			.06		.50			.60					.48		.30	.83			.15			.50		.50	.18	.10	5.20
Elkins[1]‡	Tygart				.09	.69		.06	.17	T.	.89				.31				.65	.05	.53	.25	T.	.07	.14	T.	T.	.33	.12	1.39	.68	.01	6.43
Fairmont[2]	Monongahela			.14	1.36				.24	.03	.07							.08	.36	.10	.36	.83		.16	.07		.02	.63	.06	.07	.07		4.65
Glenville[2]	Litl.Kanawha	T.			.06	.52				.12	.04	.06			.15				.11	1.06	.27	.29	.04					.10	.20	.30	T.	.26	3.58
Grafton	Tygart	.07				.60				.13	.07				.43				.45	.01	.17	1.20	.07		.13				.52	.05	.16	.45	4.51
Hackers Creek†	West Fork			.01	.02	.45				.12	.48				.68				.54		.48	.50			.07			.46		.25	.45	.75	5.26
Hall[2]	Tygart	.38				1.82	T.			.70		.45			.67				T.	.50	.11	.51	.43		.04	.09		T.	.01	T.	.35	.16	6.22
Hastings	Ohio	.09			.05	1.00			.50	.34									.68	.02	.40	.20	.03		.65	.01	.06	.51	.01	.30	.22	.26	5.33
Horner	West Fork				.05	.50				.08	.25				.61				.78	.05	.45			.25	.50			.10	.20	.78	.28		4.88
Ireland	do				.48	.60				.63	.07				.39				1.03	.03	.72	.66			1.02			.03		.87	.53		7.06
Jackson's Mill†	do	.04			.02	.39			.26		.76				.84				.74	.05	.32	.31			.22		T.	.10	.60	.50	.30		5.45
Jane Lew	do	.01		.02	.10	.30				.12	.39				1.02				.60	.02	.33	.28	.20		.07		.01	.10	.14	.48	.06	.18	4.43
Lost Creek	do			T.	.04	.62			.14		.43				1.17			T.	.57	.03	.45	.37	T.	.05	.06		T.	.54		.75	.33		5.55
Mannington	Monongahela	T.		.05	.36	1.69			.27	.12	.09							.01	.55	T.	.10	2.28	T.	.41	.03		T.	.20		.42	.05	.02	6.65
Midvale[2]†	Tygart	.49				.99				.98		.56			.43					.62	.12	.31	.31			.19		.61		.08	.63	.48	6.80
Morgantown	Monongahela				.60	1.12			1.25	.10	.16								.82			1.77					.62		.32	.32	.14		7.22
Mt. Clare	West Fork				.01	1.00			.33	.01	.34				.44				.55	T.	.45	.24	.02	.11	.32		T.	.13		.40	.40	.23	4.98
New Cumberland	Ohio				.01	.23			.32		.09			.07	.06			.01	.49		T.			.61			.94	.91		.15	.14		4.03
New Martinsville	do				.16	1.35			1.22										1.05		.26	.57		.32			.12	1.18	.55		.07		6.85
Parkersburg[1]‡	do				.36	.04	T.		.89	.06				.27				T.	1.10	.12	.29	.25			.15		T.	.11		.91	.07		4.62
Parsons	Cheat				*	1.72					.30				.44				.46	T.	.69	.98	T.	.11	.13			.40		.50	T.		5.73
Philippi[2]	Tygart	.33				1.32	.02			.15		.64			.77				T.	.51	.06	.28	.80		.57	.04			T.	.01	.50	.16	6.16
Pickens	do				.15	1.00		.30	.05		.35				.47				1.75	.04	1.20	.90	.05		.05	.30	.06	.05		1.05	.25	.05	8.07
Roanoke	West Fork	T.		.12		.25			.66	.10	.01				.13				.80	.07	.47	.17			.14		.05	.16		.42	.21	.06	3.82
Rockford†	do					.78			1.66		.56				.78				.51		.02	.78	.02	.03	.05		.12	.40		.44	.10	T.	6.25
Rowlesburg[2]	Cheat	1.46				.83	.04			.89	T.	.46			.21				T.	.54	.06	.14	.91		T.	.01		.06	.22	T.	.69	.06	6.58
Saint Marys[2]	Ohio	.26			.02	.55				1.10									.44	.49	.21		.03		.19	.14		.05	.52	.78	.35	.07	5.20
Salem	West Fork			.06		.40			.44		.13				.12				.64	T.	.31	.15		.22	.29		.05	1.00		.22	.27		4.30
Shinnston	do					1.09			.30		.05				.20				.65		.55			.35	.10		T.	.22		.10	.05		3.66
Terra Alta[2]†	Cheat	*			.80		.10	T.	.20	.35	.30			.45	T.				.80	.10	.15	.80	T.		T.	.10	.25	T.	T.	T.		.40	4.80
Thomas[2]	do	.52				.82	.18			.88		.05			.28					.52		.85	.93		.16	.12	.59			T.	1.25	.21	7.36
Valley Chapel	West Fork	08				.49			.54	.07	.36	.02			.76				.59	.04	.38	.08			.14		T.	.19	.41	.22	.30	.12	4.79
Valley Head[2]	Tygart	.70				.82	.32				.02	.11			.59					1.49	.05	2.57	.30			.20	.05	.12		.09	1.29	.04	8.76
Vandalia†	West Fork					.47			.24		.30				.16				.94	.09	.43	.53			.17			.18		.60	.22		4.33
Wellsburg (near)	Ohio				T.	.48			.43	T.	.09				.09			T.	.44								T.	.62	T.	.27	.20	.70	3.32
West Milford	West Fork				.08	.65			.20		.24				.60				.58	.05	.45	.35	.05		.20			.25	.25			.55	4.50
Weston[2]	do	.09			.22	.50				.10		.35			.42				T.	.86	.08	.34	.11		T.	.61		.02	.52	.19	.57	.31	5.29
Wheeling (Dam 12)[2]	Ohio	.24				.47				1.17		.03		T	.06				.14	.30			.03		T.			.91	.13	.07	.35	.25	4.15
Southern Division																																	
Arbovale[2]	Greenbrier				.26	.22	.07		.23	.31	.10				.15				.90	.05	2.08	.56			T.	.02	.56	T.	2.95	.98	.04		9.48
Beckley	New				.11	.78					.07				1.68				.53	.77	.27	.58			.35	.06	.03	.07		.54			5.84
Bluefield	New	.03				1.20	.02		.02		.14			.02	.19					.93	1.15	.37			.18	.04		T.	.07	.30		.04	4.70
Camden-on-Gauley[2]	Gauley				.03	.67	.01		.18			.82			.26					.40	.34	1.98	.47		.34	.15		.31		.73	.45	.22	7.36
Charleston[2]	Gr. Kanawha				.70	.72	1.00	.04		.43		.01							.03	.57	.48	.26				T.				.66	T.	.38	5.28
Clay[2]	Elk	.10			.62	.08	.02			.08	.06	.32			.11					.42	.22	1.14	.06		.24	.64		1.12	.06	.66	.54	.12	6.61
Flat Top[2]	New																																
Gary[2]	Big Sandy		1.16		.16	1.32	.25	.61		.11		.04			.22					.71	.83	.29	.36		.79	.10		.73			.63		8.31
Greenbottom[2]†	Ohio				.27	.15				.79	.52	.44							.20	.32	1.61	.31	.03		.02				1.15	1.56	.05		7.42
Hinton[2]	New	.31			.03	.30				.03					.51					.40	.48	.70	.15		.04	.44		.53	T.	T.	.36		4.28
Hogsett[2]	Ohio				.10	.53		.02		.05	.05								.08	.52	.90	.33	.02		.03	T.		.04		.68	.01		3.36
Huntington	do				.15	.28			.33	.98	.27								.42		1.35	.02			.08			T.		2.94	.12		6.94
Institute[2]	Gr. Kanawha	.11			.73	.79		.32		T.	T.									.33	.44	.40			.03	.06		T.		1.67	.09	.13	5.10
Kanawha Falls[2]†	do				.15	.42				.34	.10									.30	.75	.30			T.	.15				1.25	.15	.29	4.20
Kayford[2]	do	.95			.40	.50	.11												T.	.73	.56		.76		.16	.17	.30			.64	.50	.05	5.83
Lewisburg	Greenbrier				.01	.38		1.64	T		.01				.12				.23	.01	.69	1.35	.02		T.	.01	.38	T.		.29	T.		5.14
Logan[2]	Guyandot	.60			1.25	.70	.06	.83		.25	.96	T.			.06					.96	.87	.27	.09		.06	.75		.03		.31	.45	.27	8.77
London Locks[2]†	Gr. Kanawha				.66	.50			.38		.09	.02								.38	.82	.76	.04		.10	.05			.04	2.00	.22	.14	6.20
Madison[2]	Coal	.65			1.40	2.04	.12			.47	.15	.10								.57	.77	.15				.47			.04	.80	.14	.19	8.06
Marlinton	Greenbrier																				1.27	2.40	.05		.11	.01		.33		3.79	.01		
Point Pleasant[2]	Ohio				.09	.36		.22		.36	T.								.37	.56	1.03	.22	.03		.03	T.		.06	.95		.03	.25	4.56
Rainelle	Greenbrier					.57			.03		.04				.06				.37		.68	1.02		.06	.50	.09	.17	.22		1.30	.05		5.16
Ravenswood[2]	Ohio				.70	.56		.83											.15	.75	1.05	.53	.09		.10	.16	T.		.58	.40	.12	.15	6.17
Richwood[2]	Gauley				.25	.22					.09			.84					.56	.20	1.02	.35		.15	.14	.39	1.00	.02	1.60	2.54			9.37

Continued on next page.

Daily Precipitation for July 1939—Conclnded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	.17	.30	....	....	.50	.03	....	....	....	....	....	....	....	....	.45	.10	1.30	....	....	.06	...	....	....	.18	....	.32	.03	....	3.44
Seneca State Forest†	Greenbrier	....	....	....	.03	.41	.77	....	.34	.32	....	....	....	....	.20	....	....	....	1.49	....	.88	1.20	....	....	.05	.04	....	.14	....	3.83	....	....	9.70
Spencer 2	Litl.Kanawha	....	....	....	.69	.39	.02	T.	....	.39	....	....	....	....	....	....	....	....	.05	.75	1.20	.26	....	....	.05	....	....	.14	.76	.24	.05	.26	5.25
Sutton	Elk	.15	....	....	.10	.60	....	....	....	.15	.10	....	....	....	.95	....	....	....	1.40	....	1.25	.35	....	....	.35	....	1.15	....	....	.70	1.45	....	8.70
Thornwood2	Greenbrier	....	....	....	.47	.25	.80	....	....	....	....	....	....	.50	....	....	....	....	1.21	.85	2 15	.45	....	.11	.19	....	....	....	1.20	.45	....	....	8.63
Union	New	....	....	....	....	.32	....	....	1.81	....	.08	....	....	....	.45	....	....	....	.06	.21	.54	.46	.28	....	.14	....	.53	....	....	.41	....	.02	5.31
Wayne 2	Twelvepole	....	....	....	.22	.94	.05	....	....	.18	.39	.05	....	....	....	....	....	....	....	.45	.53	.06	....	....	.10	.05	....	....	.07	.55	.09	.42	4.15
White Sulp'r Spgs. 2	Greenbrier	....	....	....	.20	....	.10	....	....	....	....	....	....	.40	....	....	....	....	.25	.80	.50	.60	....	....	....	.05	....	....	....	1.10	....	....	4.00
Williamson 2	Big Sandy	.38	....	....	1.55	3.46	.01	.01	....	.02	....	....	....	....	.70	....	....	....	....	.52	.88	.13	.06	....	.19	.45	....	T.	....	1.66	.96	.11	11.09
Winfield Locks2†	Gr. Kanawha	....	....	....	.53	.37	....	.03	....	.63	.24	.01	....	....	....	....	....	....	....	.58	1.07	.48	....	....	.05	.03	....	.02	.12	.85	....	.29	5.30

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.

T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for July 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard 3	Maximum	73	78	80	78	78	84	85	87	82	77	72	78	85	75	73	74	72	64	72	64	68	70	78	78	85	84	81	82	82	80	76	77.3
	Minimum	52	45	40	48	58	52	53	55	55	55	43	43	47	55	40	33	35	40	45	48	50	51	46	52	53	50	55	55	58	58	57	49.3
Beckley	Maximum	77	81	82	81	76	88	78	88	83	84	78	84	88	80	77	78	81	81	86	75	73	82	84	85	84	85	82	87	81	81	80	81.6
	Minimum	53	46	55	61	58	57	59	60	60	60	48	42	51	59	47	42	41	53	58	55	53	53	55	59	57	56	59	57	60	58	52	54.3
Bluefield	Maximum	77	82	82	79	79	85	84	86	86	89	83	82	87	82	79	79	82	85	87	80	77	76	84	84	84	86	84	84	82	82	82	82.6
	Minimum	60	55	59	66	62	63	67	67	66	66	57	50	58	67	57	52	50	58	59	61	59	58	62	63	64	66	65	65	67	63	60	61.0
Buckhannon	Maximum	75	76	83	78	75	83	83	84	77	81	71	77	83	79	76	73	73	68	73	70	65	77	80	78	80	82	78	85	78	78	77	77.3
	Minimum	57	54	56	65	66	65	63	56	52	56	41	42	60	66	53	48	49	58	61	54	58	56	58	64	65	62	65	65	66	65	60	58.3
Charleston 3	Maximum	86	90	88	84	93	94	91	88	90	81	87	93	88	86	85	85	80	87	74	80	87	90	89	88	90	88	93	80	81	86	89	86.8
	Minimum	61	61	61	68	69	69	71	72	71	69	60	58	64	74	60	63	55	64	63	65	66	61	63	61	66	68	70	69	69	68	64	65.3
Clarksburg 3	Maximum	79	83	91	85	82	91	95	93	90	83	78	85	92	82	79	80	80	68	80	81	66	85	86	85	90	87	84	92	87	85	83	84.1
	Minimum	56	54	56	66	66	65	65	67	66	65	51	54	61	68	54	47	49	56	60	61	61	55	60	64	63	64	66	67	67	68	66	60.9
Elkins	Maximum	75	79	84	78	77	86	89	88	81	80	72	80	86	77	74	73	75	67	77	67	62	79	81	81	84	83	81	85	81	79	78	78.7
	Minimum	58	54	54	67	65	63	62	65	61	58	51	50	60	60	52	47	48	57	66	60	58	62	59	60	62	62	66	66	64	64	63	59.3
Fairmont 3	Maximum	81	84	90	84	80	89	93	93	89	82	79	86	91	83	84	81	81	65	81	75	65	80	86	84	89	88	87	91	85	83	84	83.5
	Minimum	56	56	56	66	66	65	66	69	68	66	52	55	65	69	55	49	53	60	57	63	60	56	60	65	64	63	67	67	68	69	65	61.8
Flat Top	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Gary 3	Maximum	84	84	87	82	85	91	90	90	85	86	79	85	90	84	78	80	83	89	89	80	76	85	87	88	87	88	83	88	81	82	83	84.8
	Minimum	56	56	61	66	65	64	65	66	67	67	61	52	58	66	54	53	51	54	63	63	64	57	61	63	65	66	64	66	69	64	63	61.6
Glenville	Maximum	79	86	85	86	86	85	94	92	86	86	84	87	88	87	84	84	83	79	73	75	74	85	89	88	90	82	80	92	87	78	84	84.5
	Minimum	58	57	58	68	69	67	67	68	65	66	53	54	59	66	54	47	49	59	64	65	62	57	61	65	63	65	66	68	67	62	64	61.7
Grafton	Maximum	80	85	89	91	84	84	92	94	92	88	82	84	91	91	85	82	81	80	81	81	75	82	85	86	84	90	88	84	90	85	82	85.4
	Minimum	56	54	54	65	66	63	64	66	66	65	51	52	62	67	53	46	50	59	56	64	58	56	53	63	63	62	65	65	66	67	65	60.1
Huntington	Maximum	86	86	92	86	90	93	95	96	88	91	85	89	91	91	85	87	89	88	88	77	76	87	93	90	91	90	92	93	82	85	87	88.4
	Minimum	61	61	65	70	70	72	71	73	71	71	57	58	66	73	61	53	55	63	69	67	67	60	67	70	66	69	70	68	69	65	63	65.8
Lewisburg	Maximum	79	82	82	78	79	87	83	89	84	85	80	85	87	83	80	80	83	76	88	79	69	78	85	86	84	83	85	87	81	83	81	82.3
	Minimum	57	51	58	65	63	65	65	64	62	64	54	48	57	66	53	50	47	57	64	61	56	55	57	52	63	63	64	62	65	64	59	59.1
Logan 3	Maximum	84	88	91	86	86	92	94	96	89	90	84	87	94	94	83	85	88	90	93	80	79	89	91	90	89	90	88	93	81	83	85	88.1
	Minimum	64	60	63	69	67	70	69	70	71	70	68	58	62	70	60	58	57	60	65	67	66	60	70	69	65	67	69	69	69	68	64	65.6
Madison3	Maximum	82	85	88	85	83	92	92	92	85	88	81	86	90	87	81	83	85	85	89	74	78	86	89	87	88	88	87	90	80	81	83	85.5
	Minimum	64	60	63	63	67	69	70	70	71	70	60	56	62	69	59	56	54	61	65	65	66	65	64	65	64	65	68	69	67	66	64	64.4
Mannington	Maximum	75	78	85	82	77	85	87	87	82	80	75	80	85	83	77	75	75	67	76	75	72	78	81	78	83	83	80	84	80	79	79	79.5
	Minimum	55	54	54	65	65	64	65	67	68	64	51	54	62	67	53	46	49	58	56	65	59	55	60	65	63	63	67	67	67	67	63	60.6
Marlinton	Maximum	....	....	....	....	....	....	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Martinsburg 3	Maximum	85	87	88	83	86	88	94	98	90	90	82	83	92	88	83	83	84	70	86	72	75	74	86	88	93	95	88	88	90	92	90	86.2
	Minimum	63	66	55	63	67	65	69	70	68	65	59	61	66	66	55	53	53	61	57	58	60	69	61	67	67	68	70	71	72	70	65	63.6
Morgantown	Maximum	78	76	70	74	76	89	90	84	82	75	75	70	85	78	73	75	75	65	73	74	75	73	76	89	88	80	86	87	86	86	87	79.0
	Minimum	62	53	59	59	64	64	67	66	67	64	50	58	63	65	52	48	50	58	53	50	51	50	56	65	65	63	65	66	65	67	64	59.6
New Martinsville	Maximum	82	82	83	82	83	91	94	92	89	88	80	88	89	86	85	82	87	77	72	85	80	86	85	85	90	88	85	90	85	81	85	85.1
	Minimum	65	61	58	65	65	62	66	65	64	68	69	60	68	65	66	60	65	60	58	68	60	58	62	66	67	64	66	60	65	64	62	63.6
Parkersburg	Maximum	81	83	90	87	84	92	94	92	88	84	77	86	90	83	80	82	81	69	72	78	72	84	87	82	88	91	85	90	81	80	85	83.8
	Minimum	61	59	63	71	70	71	68	68	69	62	56	59	68	68	60	51	55	61	63	65	63	61	65	70	67	68	71	67	68	67	68	64.5
Pickens	Maximum	72	79	84	76	72	81	84	85	78	72	70	78	84	77	77	74	73	72	77	70	65	78	80	80	80	81	78	82	77	78	72	77.0
	Miuimum	55	51	53	64	66	59	58	62	63	55	45	48	55	60	55	42	43	51	62	60	55	55	59	61	58	58	62	62	61	60	50	56.4
Point Pleasant	Maximum	85	84	90	88	90	92	96	95	89	88	82	89	92	88	85	85	83	80	76	74	73	85	89	87	91	90	89	94	84	81	86	86.5
	Minimum	59	60	63	69	70	72	70	72	70	67	55	57	65	70	60	52	55	55	54	66	65	59	65	70	65	68	69	69	70	65	68	64.3
Rainelle	Maximum	77	80	80	78	77	88	85	89	81	83	76	79	89	83	80	80	84	78	87	79	72	79	86	86	85	85	86	88	80	81	79	81.9
	Minimum	52	47	52	63	62	60	60	61	58	62	50	42	51	65	45	42	38	52	62	58	56	56	56	59	60	60	61	61	61	61	55	55.7
Richwood 3	Maximum	78	82	83	82	78	89	88	89	84	85	78	83	91	80	78	77	78	74	84	84	64	76	84	85	82	86	81	86	77	80	77	81.4
	Minimum	55	56	67	70	62	61	63	61	64	55	47	52	62	49	45	44	52	60	61	59	58	58	62	62	60	62	66	58	58	64	56	58.4
Romney	Maximum	81	85	86	82	83	85	92	95	87	84	89	87	91	86	79	80	81	76	81	75	70	73	87	85	89	90	88	90	88	82	88	84.4
	Minimum	61	55	50	65	66	65	66	65	66	54	52	53	60	66	51	45	48	60	58	60	59	60	58	64	64	65	67	66	70	54	63	59.9
Spencer 3	Maximum	84	85	90	88	84	92	93	94	86	86	78	88	92	87	83	85	85	75	76	74	75	85	89	87	90	90	90	85	82	83	84	85.3
	Minimum	55	56	59	68	68	67	67	69	68	66	53	55	61	69	54	48	59	62	65	66	64	58	64	68	65	60	59	69	67	68	66	62.7
Sutton	Maximum	83	83	92	92	84	93	93	94	94	84	82	87	95	95	81	82	82	83	78	78	73	85	86	88	89	89	86	90	90	79	85	86.3
	Minimum	59	57	58	68	69	66	66	68	65	68	55	53	59	68	56	50	50	61	66	65	63	60	60	61	62	64	68	69	67	66	64	62.3
Wardensville 3	Maximum	80	83	84	82	80	86	90	93	86	86	77	85	87	85	79	76	81	64	78	67	65	74	86	85	88	89	87	87	80	88	83	82.0
	Minimum	56	53	51	63	66	63	64	66	64	64	55	51	57	66	51	49	46	60	59	63	58	58	57	62	62	63	66	65	70	67	59	59.8
Weston	Maximum	85	86	92	83	83	94	95	95	88	88	83	84	93	89	83	83	83	78	79	78	73	88	88	87	92	91	85	93	92	85	86	86.5
	Minimum	58	56	57	67	69	61	65	65	65	68	52	60	61	68	55	48	49	61	63	67	62	59	62	66	65	64	67	68	67	67	65	62.2
Wheeling3	Maximum	80	81	88	83	81	90	92	91	88	82	79	87	87	84	78	79	77	65	82	82	69	83	86	86	90	86	87	91	83	83	84	83.4
	Minimum	58	60	55	65	65	67	71	71	68	64	53	60	68	64	57	52	53	58	58	62	60	57	64	66	65	65	69	67	68	69	67	62.8
Williamson3	Maximum	88	91	88	86	88	92	96	97	94	93	88	92	95	92	87	89	91	96	93	82	85	93	93	89	93	95	92	94	83	86	90	90.7
	Minimum	65	62	65	69	67	70	69	71	71	71	61	58	62	70	62	58	59	60	66	66	67	63	67	69	67	69	70	72	68	68	66	66.1

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporatiou	.047	.199	.206	.269	.177	.069	.190	.212	.092	.261	.344	.074	.210	.258	.238	.264	.230	.159	.016	.051	.104	.072	.127	.175	.088	.204	.155	.103	.194	.100	.231	5.119
	Wind movement	14	34	15	13	17	19	4	7	38	2	34	18	33	40	48	45	28	28	7	10	43	18	10	20	11	9	13	16	8	19	17	637

[3] Instruments are read iu the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 9-8-39—900)

705
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII   PARKERSBURG, W. VA., AUGUST 1939   No. 8

GENERAL SUMMARY

The month was very dry and only moderately warm. It was the third driest August of record, and the driest since 1925. The precipitation consisted of widely scattered showers of varying amounts and resulted in the anomalous situation of having the greatest and least monthly amounts occur at stations only about 25 miles apart. Both stations at Buckhannon had less than 0.25 inch, while Pickens had 6.33 inches. Due to elevation and exposure to rain-bearing winds, Pickens is normally the wettest station in the state. Only 5 stations reported an excess of precipitation, one each in Mineral, Hampshire, Randolph, Greenbrier, and Mercer counties. On August 14th heavy rains sent Liberty Creek out of its banks, damaging one home and blocking traffic temporarily on State Route 33, a short distance east of Spencer.

While the temperature was slightly above normal, the month actually was the coolest August since 1934. Only two stations reported deficiencies in temperature. The variability was slight and at no time were the daily mean values more than 7° from normal.

Conditions were favorable for crop growth and harvesting, but at the close of the month the lack of rainfall was being felt, especially in western and central counties.

TEMPERATURE

The average monthly temperature for the State, based on the records of 58 stations, was 72.7°, or 0.9° above the normal. The mean for the northeastern panhandle division was 72.8°; for the northern division, 72.5°; and for the southern division, 73.0°. The highest monthly mean was 77.8° at Martinsburg and the lowest, 64.1° at Bayard. The highest temperature was 99° at Williamson on the 11th and the lowest, 38° at Bayard on the 5th. The greatest daily range was 47° at Benson on the 11th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 107 stations, was 2.19 inches, or 1.86 inches below the normal. In the northeastern panhandle division the average was 2.44 inches; in the northern division, 2.09 inches; and in the southern division, 2.27 inches. The greatest monthly precipitation was 6.33 inches at Pickens and the least, 0.11 inch at Buckhannon No. 2. The greatest amount in any 24 consecutive hours was 2.25 inches at Pickens on the 25th. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	2	3	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Fogs, dense	14	24	8	5	21	4	10	..	1	10	13	4	1	5	16	17	22	1	2	2	9	8	17	5	20	9	10	14	10	13	19
Gales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2	..
Thunderstorms	..	2	9	5	1	2	6	8	11	..	..	9	9	10	3	8	6	2	1	1	1	..	..	6	5	1	..	..	2	2	3

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.99	[illegible]	26	29.70	18	5.3	23	nw.	3	87	46	64	72
Columbus, Ohio	29.97	30.22	26	29.72	18	7.7	41	s.	12	87	44	58	74
Elkins	30.03	30.25	11	[illegible]	18	4.3	24	w.	9	95	55	81	60
Parkersburg	30.00	30.21	26	29.74	18	4.7	14	sw.	21	88	54	62	71
Pittsburgh, Pa.	29.99	30.22	11	29.78	4	8.2	25	w.	7	82	47	58	78
Wytheville, Va.	30.02	30.23	12	29.75	18	4.6	16	sw.	20	90	....	74	46

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COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	69.8	.....	.....	3.48	6.10	4.73	5.48	0.0	.....	.....	.....	.....
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	7	.....	.....	.....
1893	70.8	98	41	3.43	3.17	3.84	3 38	.0	.....	.....	.....	.....
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72 6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2 70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.35	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
Period	71.8	112	30	3.78	4.14	4.13	4.05	.0	10	14	10	7

Climatological Data for August 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	64.1	−1.7	86	§12	38	5	44	2.36	−2.02	0.70	0.0	9	27	3	1	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	72.1	+2.2	92	9	52	§5	35	2.74	−.84	.75	.0	8	23	0	8	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	50	...	...	...	...	...	...	...	2.13	−1.86	.98	.0	7	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	7	74.8	...	98	§17	54	24	31	2.01	...	1.00	.0	3	18	9	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	75.4	...	98	21	53	5	34	1.65	...	.77	.0	5	15	14	2	s.	University Exper. Station
Martinsburg	Berkeley	435	47	77.8	+4.8	98	13	57	23	33	1.88	−2.18	.80	.0	6	18	12	1	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	71.0	−.3	95	13	47	§23	46	2.02	−.97	.76	.0	7	18	10	3	w.	R. E. Saville
Piedmont	Mineral	1,053	26	73.2	+2.7	91	13	52	5	34	3.70	+.11	1.59	.0	9	13	12	6	se.	C. A. Suter, Jr.
Romney	Hampshire	824	41	74.0	+1.4	94	13	52	9	38	4.09	+.48	1.30	.0	7	21	3	7	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	...	...	...	...	...	...	...	2.08	...	.82	.0	5	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	19	...	...	...	...	...	...	...	2.72	−1.86	.76	.0	7	6	9	16	w.	A. C. Becker
Wardensville	Hardy	1,200	18	72.2	+2.7	92	13	51	31	35	3.38	−.25	1.11	.0	10	15	12	4	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	...	...	...	...	...	...	...	3.03	−1.45	1.25	.0	9	8	18	5	...	L. Esle Bond
Alma (near)	Tyler	800	12	...	...	...	...	...	...	...	3.91	−1.62	1.39	.0	11	15	13	3	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	66.2	...	88	11	43	§11	45	1.39	...	.27	.0	8	15	13	3	...	Christian Hertig
Benson	Harrison	1,080	15	72.2	+1.5	96	11	47	23	47	2.74	−1.71	.95	.0	8	7	24	0	...	R. D. Marts
Bens Run	Pleasants	652	37	75.6	+2.0	93	§11	56	27	32	2.26	−1.98	1.70	.0	7	28	3	0	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	74.2	+2.0	95	§12	45	5	42	2.12	−2.15	.69	.0	8	14	16	1	...	M. D. Hawkins
Buckhannon	Upshur	1,411	42	69.4	−.5	86	12	49	23	32	.21	−3.88	.15	.0	2	17	13	1	...	H. A. Darnall
Cairo	Ritchie	680	38	74.6	+2.1	95	16	52	§22	38	1.22	−2.65	.45	.0	8	22	9	0	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	73.6	+1.6	95	§11	52	23	41	2.41	−2.07	1.03	.0	9	19	4	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	16	...	...	...	...	...	...	...	1.27	−3.31	.52	.0	13	10	17	4	sw.	George W. Blair
Creston	Wirt	640	37	71.0	−2.1	90	§13	50	23	31	2.96	−.90	.65	.0	10	20	10	1	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	...	...	...	...	...	...	...	1.38	−2.68	.67	.0	6	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	23	...	...	...	...	...	...	...	1.55	−1.82	.84	.0	9	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	18	...	...	...	...	...	...	...	1.30	−2.83	.56	.0	4	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	23	...	...	...	...	...	...	...	2.63	−1.03	.73	.0	8	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	23	...	...	...	...	...	...	...	3.67	−.12	1.47	.0	5	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	...	...	...	...	...	...	...	1.31	−2.69	.34	.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	38	70.1	+1.0	89	11	51	23	37	.83	−3.03	.20	.0	11	4	15	12	se.	U. S. Weather Bureau
Fairmont	Marion	883	33	74.0	+1.3	94	12	53	22	38	1.46	−2.54	.60	.0	7	16	11	4	w.	J. C. Robinson
Glenville	Gilmer	738	45	74.7	+.8	96	11	53	§23	41	3.16	−1.07	.83	.0	8	17	4	10	...	Howard R. Brannon
Grafton	Taylor	1,050	46	74.0	+2.6	98	18	50	23	38	1.01	−2.70	.46	.0	6	19	9	3	..	L. W. Clayton
Hastings	Wetzel	809	4	...	...	...	...	...	...	...	1.10	...	.78	.0	8	14	13	4	w.	L. G. McIntyre
Horner	Lewis	1,044	16	...	...	...	...	...	...	...	1.38	−3.50	.51	.0	7	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	16	...	...	...	...	...	...	...	3.02	−1.83	1.94	.0	11	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	72.2	+1.5	94	12	51	§11	42	2.55	−1.68	.60	.0	9	13	11	7	w.	Allen Smith
Mannington	Marion	974	36	70.5	+.3	87	17	51	§5	30	1.80	−2.28	.75	.0	11	10	14	7	sw.	James A. Morgan
Morgantown	Monongalia	1,300	46	72.8	+.8	90	16	51	26	31	.96	−3.05	.70	.0	3	24	7	0	...	Bruce Davis
New Cumberland	Hancock	671	41	73.6	+2.8	94	12	54	§5	35	1.98	−1.41	1.06	.0	6	11	7	13	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	74.0	+.3	92	§11	55	§5	32	2.39	−1.50	1.05	.0	6	17	14	0	s.	Wm. Ankrom
Parkersburg	Wood	615	52	74.6	+.7	92	13	56	23	31	1.13	−2.38	.55	.0	7	13	14	4	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	72.4	+3.0	93	11	53	§5	39	1.67	−2.38	.86	.0	5	14	11	6	...	J. W. Swisher
Philippi	Barbour	1,300	42	...	...	...	...	...	...	...	2.53	−1.71	1.19	.0	8	...	...	...	...	Mrs. Maxine Leach
Pickens	Randolph	2,697	36	67.0	+.5	87	12	47	5	36	6.33	+.86	2.25	.0	12	12	11	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	...	...	...	...	...	...	...	1.14	−3.20	.24	.0	7	22	5	4	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	...	...	...	...	...	...	...	2.40	−2.13	1.36	.0	7	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	625	31	...	...	...	...	...	...	...	1.00	−3.09	.46	.0	6	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	38	68.8	+2.0	91	12	40	6	44	2.60	−2.41	1.00	.0	7	23	5	3	w.	John Dee Williston
Thomas	Tucker	3,000	10	...	...	...	...	...	...	...	1.43	−3.73	.56	.0	9	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	16	75.0	+2.5	98	12	51	23	45	2.27	−1.89	.80	.0	9	9	21	1	w.	S. A. Spence
Vandalia	Lewis	1,120	16	...	...	...	...	...	...	...	1.96	−2.24	1.15	.0	5	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	32	71.4	+1.1	92	§11	46	26	39	1.56	−2.00	1.06	.0	3	18	12	1	...	George P. Pfister
West Milford	Harrison	979	14	...	...	...	...	...	...	...	3.04	−1.58	.80	.0	11	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	44	74.8	+2.1	95	§11	52	27	41	2.70	−1.00	.67	.0	9	3	22	6	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	74.4	+1.6	91	§11	56	§5	31	2.69	−.86	1.31	.0	6	15	14	2	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	...	...	...	...	...	...	...	1.96	−2.35	.57	.0	8	15	9	7	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	67.4	−1.9	88	12	45	§22	40	3.39	−.45	.94	.0	11	10	19	2	...	L. A. Mauck
Bluefield	Mercer	2,558	44	70.8	+.3	87	§8	54	31	29	4.85	+1.24	1.58	.0	11	11	20	0	...	Norfolk & Western Ry.
Charleston	Kanawha	602	36	76.2	+.9	95	10	58	§22	32	2.44	−2.03	.83	.0	10	13	12	6	...	Charleston Daily Mail
Clay	Clay	790	23	...	...	...	...	...	...	...	1.54	−2.95	.85	.0	5	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	1	67.7	...	80	8	56	§5	19	3.94	...	2.21	.0	13	...	...	...	...	U. S. Airway Station
Gary	McDowell	1,426	23	73.0	+1.0	91	§11	52	23	35	1.70	−2.41	.50	.0	13	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	74.4	...	93	12	54	22	37	1.92	...	.57	.0	9	17	12	2	sw.	State Forest Nursery
Hinton	Summers	1,431	42	74.8	+1.5	97	8	54	§22	39	1.87	−2.29	.67	.0	12	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	23	...	...	...	...	...	...	...	2.93	−.23	1.01	.0	7	...	...	...	...	Lockmaster
Huntington	Cabell	571	42	77.4	+2.6	95	§11	56	§22	35	1.69	−2.01	.70	.0	7	3	26	2	sw.	H. N. Robinson
Institute	Kanawha	616	1	75.3	...	94	11	53	22	34	1.52	...	.51	.0	9	...	...	...	...	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	...	...	...	...	...	...	...	3.69	−1.20	1.20	.0	6	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	...	...	...	...	...	...	...	.72	−4.11	.25	.0	7	...	...	...	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	70.8	+1.4	89	§11	51	31	34	2.14	−1.81	.93	.0	11	7	13	11	...	J. K. Monroe
Logan	Logan	700	36	77.0	...	97	11	59	§22	30	1.23	−3.26	.24	.0	9	11	10	10	...	Paul A. Simonds
Loudon Locks	Kanawha	623	3	75.6	...	94	11	59	§22	33	2.28	...	.76	.0	10	14	1	16	se.	Lockmaster
Madison	Boone	675	18	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	70.8	+4.6	90	12	50	§23	38	3.06	−1.62	.72	.0	13	5	21	5	...	Edward A. Moore
Point Pleasant	Mason	595	46	76.6	+1.9	96	11	56	§22	38	2.38	−.83	.76	.0	7	18	10	3	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	68.5	...	89	§11	47	23	39	2.91	...	.56	.0	13	17	4	10	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	76.0	+3.1	97	29	50	5	39	1.54	−1.81	.68	.0	8	17	2	12	se.	Lockmaster
Richwood	Nicholas	2,193	9	69.1	...	89	11	49	22	33	4.34	...	.99	.0	14	8	20	3	se.	Cherry River Paper Co.
Ryan	Roane	700	36	72.4	+.7	95	17	48	23	40	1.36	−2.72	.68	.0	9	16	14	1	...	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	66.8	...	90	8	41	22	44	1.33	...	.70	.0	4	9	21	1	se.	Supt., State Forest
Spencer	Roane	789	35	74.4	+2.1	97	11	51	23	42	1.45	−2.52	.41	.0	7	8	23	0	...	A. M. McKown
Sutton	Braxton	850	33	74.6	+1.5	93	§8	56	31	34	1.30	−2.95	.40	.0	6	25	0	6	...	C. B. Eakle
Union	Monroe	2,250	35	70.4	+.2	90	§9	49	31	38	2.28	−1.65	.86	.0	9	15	9	7	...	C. B. King
Wayne	Wayne	598	12	...	...	...	...	...	...	...	2.11	−2.14	.43	.0	9	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	71.0	+.7	92	8	51	§22	38	4.08	+.49	1.75	.0	5	18	7	6	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	77.6	+2.8	99	11	58	23	36	2.01	−1.98	.82	.0	11	11	16	4	nw.	J. E. Dotson
Winfield Locks	Putnam	570	1	75.4	...	94	11	57	§23	34	1.75	...	1.05	.0	6	13	4	14	sw.	Lockmaster
State averages and extremes				**72.7**	**+.9**	**99**	**11**	**38**	**5**	**47**	**2.19**	**−1.86**	**2.25**	**.0**	**8**	**15**	**11**	**5**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for August 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac				.36				.25		.20			.70		.32				.20	.12	.18	.03										2.36
Brandywine	do							.22						.75	.22		.07	.03	.60	.35					.50								2.74
Brushy Run[2]	do				.25				.18								.02	T.		.72						.31							1.48
Harpers Ferry[2]	do				.03										.13		.14			.98	.14	.67				.04	T.						2.13
Inwood	do				.41					.60										1.00													2.01
Kearneysville	do			T.						.27					.03		.56			.77					.02								1.65
Knobly Mountain[2]†	do				.20			.05												.45	.22	.15				.94					T.		2.01
Martinsburg[2]	do				.40	T.			.01							T.	.02			.80	.10	.55				T.							1.88
McNeill	do				T.			.76		T.	.08				.13		.11		.08	.46					.40								2.02
Petersburg	do				.30					.15					.58		.20		T.	.80	.05				.31	T.				T.		T.	2.39
Piedmont	do			.80	.39			.04	.11	.03										.17		.53	.04		1.59								3.70
Romney	do				.20				.24	.40							1.30			.60	.80				.55								4.09
Spruce Knob[2]†	do				.17				T.								.18	.42	.49	.82	T.												2.08
Stony River Dam[2]†	do			.30	.26						.50				.05			.76		.75		.10											2.72
Wardensville[2]	do				.81										.07	.07		.51		1.11	.01	.75				.02	.01			.02			3.38
Northern Division																																	
Aberdeen†	West Fork			.09	.12		T.		T.	.71	.02				1.25	T.			T.	.05	.41	.23	.15										3.03
Alma (near)	Ohio						.20		.91	.56			.02	1.39	.04			.02	.02	.28	.23	.24											3.91
Alpena	Cheat			T.	.10					.27					.06		.21		.20	.22	.18				.15								1.39
Belington[2]	Tygart				.45	T.		T.			.25			.19	T.	.19		T.	.21	.01	T.	.13	.28			.04							1.75
Benson†	West Fork								.72	.02					.95					.10	.30	.05			.20							.40	2.74
Bens Run	Ohio			.12				1.70		.03								T.		.28	.02	.08			.03								2.26
Brownsville†	West Fork				.26					.25					.14	.02			.69		.34	.06	.36										2.12
Buckhannon	Tygart			T.	.15		T.	T.		.06					T.				T.	T.	T.				T.	T.							.21
Buckhannon No. 2[2]	do				.11						T.			T					T.		T.								T.				.11
Cairo	Litl.Kanawha			.02					.30	.02				.03				.45	.26	.06												.08	1.22
Clarksburg[2]	West Fork				.06				.10		.14			.27	1.03	.09				.48		.22				.02							2.41
Crawford	do			.18	.19		T.			.52			.11	.02	.05				.03	.04	.04	.03	.01		.01			.04					1.27
Creston[2]	Litl.Kanawha				.05			T.			.65				.37	.03					.45	.35	.37		.04	.01					.64		2.96
Dailey[2]†	Tygart			.45	.10				T.		T.							.05	T.	.13	.07	.08	.05			.37							1.30
Dam 10, Mon. R.[2]†	Monongahela				.07				.67		.12				.39				.09			.04	T.			T.							1.38
Dam 13, O. R.[2]†	Ohio								.84	.06	.05				.17					.12	.07	.10	.09			.05							1.55
Dam 15, Mon. R.[2]†	Monongahela				.12				.56		.26				.36				T.							T.							1.30
Dam 19, O. R.[2]†	Ohio				.73					.33	.23			20	.35	T.			.58		.18	T.	T.		.03	T.							2.63
Dam 20, O. R.[2]†	do				.64						.54			.12	.90				1.47														3.67
Elizabeth (Dam 3)[2]	Litl.Kanawha			.15						.14			T.	.17	T.				T.	.34	.06	.33			T.					.12			1.31
Elk†	West Fork			.08		.30				.08				.10	1.10						.15		.28										2.09
Elkins[1]‡	Tygart			.13	.01				T.	.16	T.			T	.10		.02	.01	.06	.04	.02	.08			.29								.83
Fairmont[2]	Monongahela			.08				.38		.34				.60				.02			T.	.02			.02								1.46
Glenville[2]	Litl.Kanawha				.34			.08			.63				.64					.04		.83	.36			.24							3.16
Grafton	Tygart				.31				.46					.04	.05							.12	.03										1.01
Hackers Creek†	West Fork				.09				.16	.01			.07	1.25	1.04			.09	.01	.10	.37	.25	.31										3.75
Hall[2]	Tygart				.38	T.					.42				.11	.23			.40	T.	.03	.05	.08										1.70
Harrison Co. Airport	West Fork				.09		T.		.25					.25	.20	.25			.28			.25	.10			.81							2.48
Hastings	Ohio				.12		.08		.78	T.			.02		.03				.02			.02			.03								1.10
Horner	West Fork			.07	.25					.07				.03	.51				.10		.35												1.38
Ireland	do			.38			.38			.28			.38	.03	.02		.16	.01	.02	.01			.38		.09	.07							2.21
Jackson's Mill†	do			.11	T.								.05		1.79			.05		.10	.25												2.35
Jane Lew	do	T.		.06	.05	T.			.34	T.				.02	1.94	.04			.01	.13	.31	.02				.10							3.02
Lost Creek	do			.03	T.		T.	T.	.21	.10			T.	.60	.56			12	T.	.04	.43	T.	.46		T.							T.	2.55
Mannington	Monongahela				.04				.50	.08				.01	.08			.75	.06	T.	.08	.07	.12		.01								1.80
Midvale[2]†	Tygart				.40											.11						.19	.19										.89
Morgantown	Monongahela				.16				.70	.10				T.							T.												.96
Mt. Clare	West Fork			T.	.12				.35	.22				.53	.03	1.03		1.20	.01	.03	.23	.53	.30	.26									4.84
New Cumberland	Ohio			.14				.33	.16					1.06								.18								.11			1.98
New Martinsville	do			.19					1.05				.41	.56	.10										.08								2.39
Parkersburg[1]‡	do			.55					.15	.27			T.	.04	T.			.07	T.	.04	T.	.01		T.	T.								1.13
Parsons	Cheat			.05						.86					.06					.04	T.				.66								1.67
Philippi[2]	Tygart				1.19				.12		.03				.46	.03			.03	T.	T.	.52	.15										2.53
Pickens	do			.05	1.05		.10			.33					.12		.45		.06	1.01	.12	.09			.70	2.25							6.33
Roanoke	West Fork			T.	.24					.22					.17				.16	.02	.18	.15											1.14
Rockford†	do			T.	.20				.05	T.	T.			.27	1.30			.13	T.	T.	.37		.11										2.43
Rowlesburg[2]	Cheat				1.36				.54		.06			T.		.07			T.	.06	T.	.19	T.			.12							2.40
Saint Marys[2]	Ohio				.10				.02		.10										.46		.02								.30		1.00
Salem	West Fork			.05					.85	.09			.05	.28	.32			T.			.20	.08			T.								1.92
Shinnston	do							.55		.05				.15	.50						T.	T.											1.25
Terra Alta[2]†	Cheat			1.00			.10	.60		.40									T.		.10	.05			.35								2.60
Thomas[2]	do	T.			.16	T.			.10		.56					.20		.05		.22	.03		.03			.08							1.43
Valley Chapel	West Fork									.01	.02			.20	.80	.18			T.	.15	.05	.51	.35										2.27
Valley Head[2]	Tygart				.09						.04					1.05	.18	.28		.63		.06				.33	T.						2.66
Vandalia†	West Fork			.49	.12					.15								1.15		.05													1.96
Wellsburg (near)	Ohio							1.06	.45	T.									T.			T.								.05			1.56
West Milford	West Fork				.08				.28					.42	.80			.05		.05		.45	.42		.43		.05					.01	3.04
Weston[2]	do				.27			T			52				.34	.67			.37	.02	.04	.31	.16										2.70
Wheeling (Dam 12)[2]	Ohio				.02				1.31	.91	T.				.34						.07		.04										2.69
Southern Division																																	
Arbovale[2]	Greenbrier			.18				.40		T.			T.		.12	.04	.52	.04	.57		T.				.09								1.96
Beckley	New			.82	.17		T.	.09		.12			T.		.94	.38			.16		.12				.04			.47			.08		3.39
Bluefield	New			.22	.20			1.01		.04					.05	.03	.74		.73	.19						1.58						.06	4.85
Camden-on-Gauley[2]	Gauley				.20	.01	.02				.12						.29	.26	.02		.16	.07				.16			.11		.01		1.43
Charleston[2]	Gr. Kanawha				.01						.60			.23	.08		.83	T.	.19		.02	.11				.01						.36	2.44
Clay[2]	Elk										.15				.15				.85	.05	T.					.34					T.		1.54
Flat Top[2]	New						2.20	.01			.02				.01	.37	.04	.02	.03	.07						.70		.44	.02		.01		3.94
Gary[2]	Big Sandy				.32		.08		.50		.12				.19	.01	.03	.02	.03	.01			.07			.06			.26				1.70
Greenbottom[2]†	Ohio				.06			.12	.09		.13			.14	.03	.40			.57		.38												1.92
Hinton[2]	New				.09		.02		.20		.08				T	.32	.01		.09	.67	.02	.03						.17	.17				1.87
Hogsett[2]	Ohio				.56						.18			.10	.15	T.			1.01			.90			.03								2.93
Huntington	do			.70				.47		.13				.10	.04			.17			T.				.08						T.		1.69
Institute[2]	Gr. Kanawha				.09						.51			.06			T.	T.	.44		.20	.14	.03			.02			.03			T.	1.52
Kanawha Falls[2]†	do				.90		T.				.50					.50	1.20	.50	T.	T.			.09							T.			3.69
Kayford[2]	do										.10			.19		.25	.01	.08					.06					T.				.03	.72
Lewisburg	Greenbrier			.34	.03			.07	T	T.			.02		.32	T.	.05	.09	.93	.20	.06	T.						.03					2.14
Logan[2]	Guyandot				.24				T.		.21			T.	T.	.22	.24	T.	.12	.01	.07	T.	.08			.04	T.						1.23
London Locks[2]†	Gr. Kanawha				.53			.05	.03		.20			T.		.15	.01	.76	.02	.05	.35					.13						T.	2.28
Madison[2]	Coal																																....
Marlinton	Greenbrier			.72	.04			.06					.28	.10	.21	.02	.04	.03	.54	.36	.38					.28							3.06
Point Pleasant[2]	Ohio				.76				.02		.49			.25	.76							.03			.07								2.38
Rainelle	Greenbrier			.36	.05					.18					.42	.04	.56	.01	.28	.02			.08			.51		.32	.08				2.91
Ravenswood[2]	Ohio				.68						.08				.29	.04			.18		.10	.12			T.	.05							1.54
Richwood[2]	Gauley			.06				.38		.05					.88	.55	.99	.02	.22	.10	.06	.08			.34	.05		.56					4.34

Continued on next page.

Daily Precipitation for August 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	.05	....	.01	.11	....	.10	....	....	....	....	.12	....	....	....	....	.04	.68	....	....	....	.10	....	....	....	....	....	.15	....	1.36
Seneca State Forest†	Greenbrier	....	....	....	.39	....	....	.03	....	....	....	....	....	....	....	....	....	....	.70	....	.21	....	....	....	....	....	....	....	....	....	....	....	1.33
Spencer 2	Litl.Kanawha	....	....	....	T.	....	....	....	....	....	T.	....	....	....	.07	.18	....	....	....	T.	.21	.27	.16	....	....	.15	....	....	....	....	.41	....	1.45
Sutton	Elk	....	....	....	....	.15	....	....	....	....	....	.40	....	....	....	....	.10	....	....	....	.20	.35	....	....	....	....	....	.10	....	....	....	....	1.30
Thornwood 2	Greenbrier	....	....	.24	....	....	....	....	....	....	....	....	....	....	....	....	....	.77	.54	.06	.21	....	....	....	....	....	....	....	....	....	....	....	1.82
Union	New	....	....	....	.05	....	....	.42	....	....	....	....	.15	....	.18	.05	....	.05	.86	.42	....	....	....	....	....	....	....	....	.10	....	....	....	2.28
Wayne 2	Twelvepole	....	....	....	.20	....	....	....	....	....	.19	....	....	.20	....	.25	.10	.19	....	....	.43	.51	....	....	.04	....	....	....	....	....	....	....	2.11
White Sulp'r Spgs. 2	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	1.75	.50	....	.20	1.50	....	....	....	....	....	....	....	.13	....	....	....	....	....	4.08
Williamson 2	Big Sandy	....	....	....	.01	....	....	....	.82	....	.06	....	....	....	.20	.46	.04	....	.05	....	.11		.04	....	.07	.15	....	....	....	....	....	....	2.01
Winfield Locks 2†	Gr. Kanawha	....	....	....	.11	....	.04	....	.01	....	.05	....	....	....	....	....	....	....	....	....	..	.49	....	....	....	1.05	....	....	....	....	....	....	1.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Loudon Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for August 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard 3	Maximum	79	85	85	78	79	77	83	84	80	78	85	86	84	85	85	85	86	72	78	81	80	75	83	80	81	80	75	72	77	77	78	80.4
	Minimum	55	50	50	50	38	39	46	48	55	50	41	45	48	58	55	51	49	50	56	53	49	48	39	40	50	51	42	45	48	43	40	47.8
Beckley	Maximum	82	85	83	82	79	80	82	86	85	83	87	88	87	75	87	84	84	77	85	79	83	80	85	81	82	79	78	76	77	77	82	81.9
	Minimum	50	52	52	49	46	47	52	55	61	54	50	59	58	63	57	56	59	61	55	59	53	45	45	53	55	47	49	52	52	49	48	53.0
Bluefield	Maximum	82	84	84	80	79	80	80	87	87	83	86	86	87	78	83	77	82	78	79	78	83	80	84	80	80	80	80	78	75	76	80	81.2
	Minimum	58	59	60	63	57	60	60	60	67	66	57	66	62	67	64	64	66	65	62	63	60	55	55	59	61	55	55	56	56	56	54	60.3
Buckhannon	Maximum	79	80	82	79	79	73	81	82	82	76	84	86	84	81	83	83	85	78	81	82	74	76	81	80	78	78	75	76	75	77	80	79.7
	Minimum	58	59	61	63	64	63	54	64	68	58	52	60	64	66	58	62	61	65	63	63	61	52	49	60	58	55	50	54	56	52	55	59.0
Charleston 3	Maximum	89	83	87	88	89	87	94	88	86	95	92	92	81	93	90	90	85	90	85	86	86	90	82	88	85	85	82	83	86	88	89	87.5
	Minimum	65	67	67	68	60	64	63	67	70	64	62	61	68	69	70	69	68	70	69	70	65	58	58	64	64	63	63	59	62	60	61	64.8
Clarksburg 3	Maximum	85	90	86	83	88	84	90	90	84	85	95	95	90	86	94	90	95	83	88	83	86	81	89	84	86	80	82	82	83	82	87	86.6
	Minimum	60	62	63	66	54	57	58	64	69	56	54	62	66	67	68	65	65	65	65	65	63	53	52	55	65	58	53	58	57	54	55	60.5
Elkins	Maximum	80	85	84	79	80	76	84	87	83	78	89	89	86	83	87	85	87	76	80	83	83	77	85	82	80	78	75	75	76	78	83	81.7
	Minimum	59	60	60	57	53	53	55	66	67	56	52	60	63	66	64	62	62	63	65	64	61	54	51	57	59	56	52	54	57	53	52	58.5
Fairmont 3	Maximum	86	90	87	82	82	84	88	89	84	84	93	94	92	86	91	89	91	83	83	85	87	82	91	85	86	83	82	81	84	81	87	86.2
	Minimum	62	63	66	65	55	57	59	66	70	56	55	65	67	69	69	67	66	66	69	66	65	53	54	60	64	57	55	59	58	55	55	61.7
Flat Top	Maximum	75	76	73	75	74	71	75	80	78	76	78	78	77	69	77	74	75	67	71	76	74	74	76	74	74	72	72	71	69	72	75	74.1
	Minimum	58	62	65	66	56	59	57	62	68	66	61	64	63	65	62	63	64	62	63	64	60	62	60	62	61	58	57	57	58	58	56	61.3
Gary 3	Maximum	84	87	85	83	84	85	85	90	90	84	91	91	88	81	89	82	86	82	87	82	85	81	87	85	81	83	82	78	78	82	84	84.6
	Minimum	60	62	61	65	61	63	59	61	64	68	58	65	63	68	64	66	68	65	64	64	61	57	52	59	64	56	58	60	56	56	56	61.5
Glenville	Maximum	88	92	90	83	85	84	82	92	95	87	96	95	91	92	94	93	91	90	91	90	85	84	90	89	87	86	85	83	83	86	85	88.5
	Minimum	61	64	63	64	55	57	58	65	67	57	55	62	64	68	68	67	65	66	61	66	64	54	53	64	66	57	56	53	58	55	55	60.9
Grafton	Maximum	85	88	90	90	86	86	89	89	89	85	89	94	94	91	90	93	91	98	88	84	88	87	84	91	88	87	86	86	83	87	91	88.6
	Minimum	59	61	63	65	52	55	58	65	66	56	55	61	65	67	65	64	62	65	66	64	61	53	50	61	61	55	52	57	57	52	53	59.5
Huntington	Maximum	91	92	86	89	87	90	85	93	89	84	95	95	93	88	94	94	94	88	92	87	85	87	90	85	90	86	87	86	84	90	93	89.3
	Minimum	65	69	69	70	58	64	65	68	75	60	60	70	68	71	70	70	70	71	73	71	65	56	56	68	66	64	57	60	62	59	60	65.5
Lewisburg	Maximum	85	88	85	82	83	79	85	88	88	86	89	87	87	77	89	86	84	73	84	84	84	81	86	83	80	82	77	69	74	81	84	82.9
	Minimum	56	58	57	62	53	59	54	58	63	61	55	55	68	68	63	63	63	65	61	61	59	54	54	57	61	54	59	57	57	55	51	58.7
Logan 3	Maximum	88	90	82	89	89	90	86	93	92	87	97	93	93	83	91	87	90	86	91	84	87	86	90	84	90	85	87	83	86	87	91	88.3
	Minimum	65	64	66	69	69	64	68	64	67	69	68	66	68	70	69	69	69	68	69	69	66	59	59	62	67	67	59	62	62	62	61	65.7
Madison 3	Maximum	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	81	83	81	80	79	78	84	84	82	78	85	86	86	81	84	84	87	81	78	80	81	76	82	79	80	78	79	78	80	79	81	81.1
	Minimum	60	62	62	66	51	56	59	66	67	55	55	61	65	67	68	63	63	63	65	64	63	52	52	63	61	53	51	57	57	54	56	59.9
Marlinton	Maximum	86	87	88	83	84	83	86	88	89	87	89	90	86	85	88	83	85	77	83	84	85	84	86	82	81	81	81	76	77	81	84	84.2
	Minimum	56	58	58	62	53	55	54	57	60	56	51	59	61	61	63	63	64	63	59	62	58	60	50	50	60	54	61	55	56	51	51	57.5
Martinsburg 3	Maximum	91	94	94	88	88	88	91	94	97	90	91	92	98	90	96	94	95	87	90	95	91	87	90	93	84	85	85	79	87	90	90	90.5
	Minimum	66	68	69	68	58	58	63	70	73	64	60	65	67	73	70	69	65	68	67	69	65	64	57	64	67	64	65	63	61	61	58	65.1
Morgantown	Maximum	77	85	86	80	77	78	86	80	80	83	87	88	89	88	89	90	88	88	85	85	83	80	82	83	81	79	81	80	81	82	85	83.4
	Minimum	65	63	65	65	56	63	65	67	75	65	62	57	67	67	68	63	60	64	63	64	68	57	55	58	60	51	60	55	58	60	61	62.2
New Martinsville	Maximum	88	90	86	84	87	84	85	88	85	84	92	91	90	89	89	89	92	90	89	85	84	83	87	85	86	82	84	85	84	85	84	86.6
	Minimum	60	62	60	64	55	56	57	75	66	60	65	64	65	66	67	65	64	65	64	62	60	63	55	60	60	58	55	55	60	58	56	61.4
Parkersburg	Maximum	86	88	78	82	85	85	85	89	82	86	90	90	92	86	88	88	90	85	88	81	83	81	87	83	86	80	84	83	84	85	86	85.3
	Minimum	64	65	71	63	56	61	64	68	66	57	61	72	70	69	76	66	67	69	67	70	65	57	56	67	63	60	59	61	61	60	61	63.9
Pickens	Maximum	78	81	84	75	79	72	81	82	81	75	86	87	85	80	85	83	85	75	78	80	79	74	81	80	77	74	76	72	72	71	83	78.4
	Minimum	55	55	62	64	47	55	55	60	50	50	50	62	60	62	58	60	67	65	57	57	57	48	48	55	52	55	53	52	52	48	50	55.5
Point Pleasant	Maximum	88	90	87	85	87	88	85	91	89	84	96	95	94	92	92	92	91	90	91	89	85	83	90	85	90	88	87	88	86	89	90	88.9
	Minimum	64	65	68	68	58	63	64	69	75	58	58	70	67	68	69	68	67	69	70	69	65	56	56	66	65	63	58	60	60	61	60	64.4
Rainelle	Maximum	81	85	83	79	81	78	82	88	86	87	89	89	85	78	84	83	82	73	80	83	84	79	85	82	80	78	77	73	74	79	82	81.6
	Minimum	54	58	57	60	52	56	55	53	57	53	50	57	57	63	62	59	61	64	59	52	58	48	47	52	58	49	51	55	53	55	51	55.4
Richwood 3	Maximum	80	86	85	79	82	79	82	87	88	81	89	88	87	77	86	80	85	73	83	82	83	79	85	81	80	79	76	72	74	78	82	81.5
	Minimum	57	59	60	52	55	55	52	61	59	54	59	64	65	59	62	60	62	59	59	61	51	49	52	57	53	53	56	56	53	51	51	56.7
Romney	Maximum	89	90	92	85	85	85	89	90	89	93	88	91	94	88	90	92	90	91	82	90	89	91	90	88	86	89	84	76	82	85	90	88.2
	Minimum	60	62	66	65	55	56	54	62	52	58	54	61	64	67	67	66	64	56	65	64	57	58	55	63	62	54	55	58	60	55	60	59.8
Spencer 3	Maximum	87	88	88	85	85	80	90	92	88	84	97	93	94	89	91	90	90	85	89	85	86	84	90	84	87	83	85	84	85	84	88	87.4
	Minimum	61	63	64	68	52	58	60	64	69	56	55	69	66	70	67	63	65	69	63	66	62	53	51	57	64	60	54	57	58	58	58	61.3
Sutton	Maximum	85	88	90	90	85	84	83	93	93	90	93	93	90	90	90	90	85	83	87	87	82	82	89	89	85	85	80	80	80	82	88	86.8
	Minimum	64	63	62	66	58	59	59	65	66	62	59	63	66	65	66	66	65	67	63	65	64	65	58	62	65	61	62	59	60	58	56	62.5
Wardensville 3	Maximum	87	89	90	84	82	82	85	89	90	84	85	88	92	87	89	89	89	77	80	90	85	82	82	86	79	79	77	73	80	83	86	84.5
	Minimum	58	60	64	65	52	55	60	62	64	59	53	60	64	67	64	65	61	64	68	62	62	56	54	60	63	56	60	58	58	54	51	60.0
Weston	Maximum	88	91	89	86	87	85	89	92	90	88	95	95	92	90	92	94	93	83	87	82	88	84	90	88	89	86	84	83	83	85	88	88.3
	Minimum	61	63	64	64	55	58	57	66	71	59	54	62	66	68	67	67	66	67	64	67	63	54	53	64	65	58	52	58	57	55	55	61.3
Wheeling 3	Maximum	87	89	80	83	85	85	87	87	87	84	91	90	88	87	90	90	91	88	83	84	83	80	87	84	87	82	87	84	86	85	87	86.1
	Minimum	64	64	67	69	56	60	62	66	69	57	61	65	72	69	64	65	66	67	66	65	64	58	56	60	62	56	58	59	59	59	60	62.7
Williamson 3	Maximum	90	94	83	94	88	93	85	95	90	94	99	95	92	81	87	82	91	91	94	85	87	89	91	85	89	87	88	83	86	86	89	89.1
	Minimum	67	67	69	71	62	67	63	67	69	65	63	69	67	72	72	70	71	70	71	69	67	60	58	61	69	65	61	63	63	63	62	66.2

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.251	.298	.046	.172	.228	.074	.291	.133	.164	.096	.118	.297	.261	.171	.124	.186	.182	.278	.122	.098	.130	.070	.277	.192	.101	.050	.173	.412	.109	.023	.180	5.307
	Wind movement	53	28	6	29	31	10	3	12	6	57	22	7	14	31	9	10	12	21	14	10	26	26	41	9	6	13	28	26	8	17	8	593

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 9-26-39—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., SEPTEMBER 1939 No. 9

GENERAL SUMMARY

The month was warm, the warmest September since 1934. Temperatures were decidedly above normal during three periods in the first half and a fourth period at the close of the month. Maxima in the high 90's, and at a few stations over 100° were recorded during the 7-10th. A reading of 98° at Parkersburg on the 8th was the highest of record for that date. During the cool spell of the 18-19th, the first killing frosts of the season were reported from portions of Pocahontas and Grant Counties.

Rainfall averaged 77 per cent of normal. Drought conditions continued throughout the month in the southern and western sections. Monthly totals were above normal over a narrow belt extending from Hampshire County westward into Wetzel, Tyler and Pleasants Counties and also over a portion of Pendleton County. Totals in the southeastern counties were as little as 13 per cent of normal. The hail occurrences were of little importance. A severe thunderstorm occurred in the vicinity of the Harrison County Airport during the evening of the 29th, blowing down trees and outbuildings.

The weather was favorable for harvesting, but drought retarded crop growth and delayed Fall plowing. Pastures deteriorated, and the farm water supply in the southern and western counties became very low.

TEMPERATURE

The average monthly temperature for the State, based on the records of 61 stations, was 68.8°, or 2.3° above the normal. The mean for the northeastern panhandle division was 66.8°; for the northern division, 68.6°; and for the southern division, 69.8°. The highest monthly mean was 74.7° at Point Pleasant and the lowest, 61.0°, at Bayard. The highest temperature was 103° at Ravenswood on the 10th, and the lowest, 29° at Seneca State Forest on the 18th and 23d. The greatest daily range was 57° at Seneca State Forest on the 25th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 106 stations, was 2.22 inches, or 0.68 inch below the normal. In the northeastern panhandle division the average was 2.82 inches; in the northern division, 2.60 inches; and in the southern division, 1.27 inches. The greatest monthly precipitation was 5.22 inches at Brandywine and the least, 0.33 inch at Union. The greatest amount in any 24 consecutive hours was 2.40 inches at Brandywine on the 29th. The average number of days with .01 inch or more of precipitation was 6.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																												1			
Fogs, dense	18	14	10	4	5	18	3	2	5		6	12	4	6	7	11	1	6		3	27	26	16	9	5	4	4	13	2	2	
Frost, killing																		3					1								
Gales				5	2			3																					7	6	
Hail			2	2	2																								3		
Halos, lunar																									1						
Halos, solar											1																				
Thunderstorms		7	11	16	9			3	6	14		1	6	1						1	1						14	1	25	13	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.03	30.34	18	29.77	29	6.5	25	sw.	29	80	38	48	80
Columbus, Ohio	30.02	30.35	18	29.69	4	8.9	32	sw.	4	78	39	52	74
Elkins	30.09	30.39	19	29.78	27	4.8	27	sw.	29	96	48	77	72
Parkersburg	30.03	30.36	18	29.73	4	5.5	25	nw.	4	83	45	56	68
Pittsburgh, Pa	30.04	30.46	18	29.73	4	9.7	34	w.	8	81	46	59	69
Wytheville, Va	30.09	30.46	19	29.83	27	5.2	18	w.	8	85	48	65	71

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COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8			0.38	2.20	0.84	1.66	0.0				
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6			
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6			
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	**22**	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	**22**	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3 37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
Period	66.5	107	22	2.78	3.05	2.74	2.90	T.	7	15	8	7

Climatological Data for September 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	61.0	+0.1	88	8	30	§18	51	3.41	+0.10	1.39	0.0	4	22	8	0	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	69.4	+4.7	96	8	38	19	49	5.22	+2.84	2.40	.0	7	25	4	1	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	50								2.12	-.54	1.50	.0	5					Miss Eleanor White
Inwood	Berkeley	569	7	67.6		95	8	42	§21	37	4.30		2.00	.0	5	15	7	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	67.6		98	8	41	18	41	3.52		1.69	.0	6	19	9	2	s.	University Exper. Station
Martinsburg	Berkeley	435	47	68.8	+1.9	101	8	44	19	40	2.52	-.40	1.10	.0	8	19	8	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	63.2	-2.6	94	§8	34	23	47	2.97	+.69	.98	.0	7	15	10	5	w.	R. E. Saville
Piedmont	Mineral	1,053	26	67.3	+1.6	93	8	41	23	41	3.40	+.99	1.25	.0	6	13	13	4	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	69.0	+2.2	95	8	40	§18	48	3.09	+.41	.96	.0	6	21	4	5		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7								2.39		.70	.0	8					Moses R. Bennett
Stony River Dam	Grant	3,300	19								2.23	-.55	1.40	.0	3	10	6	14	w.	A. C. Becker
Wardensville	Hardy	1,200	18	66.0	+1.8	94	8	40	18	45	2.52	-.07	.73	.0	12	13	13	4	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15								2.86	-.45	1.10	.0	8	14	13	3		L. Esle Bond
Alma (near)	Tyler	800	12								3.20	+.23	1.17	.0	5	23	3	4		H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	62.8		89	16	30	18	50	2.79		1.06	.0	9	17	9	4		Christian Hertig
Benson	Harrison	1,080	15	68.8	+1.9	98	8	35	23	50	2.86	-.77	.77	.0	6	13	17	0		R. D. Marts
Bens Run	Pleasants	652	37	74.0	+5.6	98	§8	49	11	35	3.30	+.71	.95	.0	12	24	2	4		Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	71.0	+3.4	96	8	40	18	50	3.00	-.75	1.25	.0	7	14	13	3		M. D. Hawkins
Buckhannon	Upshur	1,411	42	65.1	+.6	87	8	40	22	36	2.51	-.45	1.10	.0	5	18	11	1		H. A. Darnall
Cairo	Ritchie	680	38	70.6	+2.5	98	§7	39	22	47	2.74	-.06	1.02	.0	7	23	7	0		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	68.1	+.6	97	8	40	23	46	2.97	-.63	1.46	.0	6	20	4	6	se.	Clarksburg Water Board
Crawford	Lewis	1,107	16								2.59	-1.15	.70	.0	8	18	9	3	sw.	George W. Blair
Creston	Wirt	640	37	68.9	+1.1	96	§8	39	18	49	1.43	-1.26	.56	.0	6	22	5	3		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18								2.36	-1.16	1.02	.0	6					Lockmaster
Dam 13 O. R	Marshall	655	23								1.45	-1.53	.49	.0	5					Lockmaster
Dam 15 Mon. R	Marion	882	18								3.42	+.23	1.32	.0	6					Lockmaster
Dam 19 O. R	Wood	600	23								.87	-1.79	.65	.0	5					Lockmaster
Dam 20 O. R	Wood	600	23								1.81	-.78	.80	.0	5					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27								2.14	-.45	.66	.0	5					Lockmaster
Elkins	Randolph	1,927	38	66.0	+3.0	91	8	39	23	44	2.41	-.74	.78	.0	10	8	14	8	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	69.5	+2.1	97	8	42	23	42	3.85	+.90	1.52	.0	7	21	5	4	w.	J. C. Robinson
Glenville	Gilmer	738	45	71.4	+2.9	98	§13	40	23	52	2.67	-.55	.70	.0	7	19	6	5	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	70.8	+3.7	98	8	39	23	48	3.03	-.42	1.20	.0	8	25	2	3		L. W. Clayton
Hastings	Wetzel	809	4								2.82		.87	.0	7	20	6	4	w.	L. G. McIntyre
Horner	Lewis	1,044	16								3.32	-.21	1.28	.0	6					Foster R. Hardman
Jane Lew	Lewis	1,020	16								2.64	-.60	1.26	.0	8					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	68.7	+3.3	96	8	36	23	48	2.36	-.63	.65	.0	7	21	6	3	w.	Allen Smith
Mannington	Marion	974	36	65.9	+1.0	93	8	39	23	39	3.28	-.11	1.06	.0	10	21	6	3	sw.	James A. Morgan
Morgantown	Monongalia	1,300	46	67.4	-.1	93	8	45	§18	40	2.19	-.68	.80	.0	6	20	7	3		Bruce Davis
New Cumberland	Hancock	671	41	69.4	+3.9	98	16	42	§18	41	.98	-1.93	.61	.0	7	16	1	13	se.	C. O. Valentine
New Martinsville	Wetzel	634	45	70.0	+1.5	98	8	44	§11	40	3.18	+.15	.88	.0	7	18	8	4	s.	Wm. Ankrom
Parkersburg	Wood	615	52	71.6	+4.3	98	8	45	23	38	2.07	-.69	1.01	.0	6	18	9	3	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	67.5	+3.8	92	8	39	§23	49	4.45	+1.30	2.00	.0	5	19	10	1		J. W. Swisher
Philippi	Barbour	1,300	42								2.25	-1.05	.90	.0	6					Mrs. Maxine Leach
Pickens	Randolph	2,760	36	63.0	+1.2	85	§3	36	18	41	2.01	-2.09	1.00	.0	6	23	6	1	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16								2.44	-.96	1.36	.0	7	21	6	3		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51								3.93	+.50	1.48	.0	6					W. H. Bolyard
Saint Marys	Pleasants	625	31								2.97	+.27	.97	.0	7					Edward Hughes
Terra Alta	Preston	2,559	38	64.2	+2.4	93	7	33	23	54	3.85	+.14	1.60	.0	5	25	4	1	w.	John Dee Williston
Thomas	Tucker	3,000	10								3.98		1.33	.0	7					W. Sleeman
Valley Chapel	Lewis	1,011	16	70.4	+2.4	97	§8	39	23	50	2.06	-1.26	.71	.0	8	19	8	3	w.	S. A. Spence
Vandalia	Lewis	1,120	16								3.19	-.08	1.09	.0	7					James B. Kelley
Wellsburg (near)	Brooke	668	32	67.8	+2.9	100	8	34	18	49	1.92	-1.07	.88	.0	7	14	13	3		George P. Pfister
West Milford	Harrison	979	14								2.48	-.79	.65	.0	6					Scotland G. Highland
Weston	Lewis	1,026	44	71.6	+4.3	98	29	41	23	44	2.87	+.24	1.48	.0	8	6	22	2		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	69.4	+2.0	99	8	43	24	43	1.68	-1.24	.66	.0	6	18	8	4	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13								1.39	-1.14	.64	.0	7	21	8	1	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	65.0	+.9	92	9	33	22	46	1.06	-1.48	.46	.0	5	20	8	2		L. A. Mauck
Bluefield	Mercer	2,558	44	69.8	+3.6	91	9	43	22	36	1.48	-.84	1.04	.0	3	22	7	1		Norfolk & Western Ry.
Charleston	Kanawha	602	36	72.1	+1.2	97	7	48	23	44	.68	-2.30	.22	.0	5	13	9	8		Charleston Daily Mail
Clay	Clay	790	23								.70	-2.52	.25	.0	6					L. E. Woofter
Flat Top	Mercer	3,260	1	67.2		85	9	47	19	27	1.22		.66	.0	6					U. S. Airway Station
Gary	McDowell	1,426	23	68.6	+.1	93	9	45	12	43	.59	-2.40	.29	.0	5					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	71.6		98	14	44	§22	48	1.60		.78	.0	4	21	5	4	sw.	State Forest Nursery
Hinton	Summers	1,431	42	70.2	+2.2	98	9	43	12	49	.55	-2.14	.30	.0	4					Mrs. M. L. McClung
Hogsett	Mason	564	23								1.29	-.89	.90	.0	4					Lockmaster
Huntington	Cabell	571	42	74.5	+5.5	100	§9	46	23	46	2.20	-.25	.88	.0	7	11	15	4	sw.	H. N. Robinson
Institute	Kanawha	616	1	73.0		98	§8	45	23	45	1.39		.37	.0	10					Civil Aeronautics Authorit
Kanawha Falls	Fayette	618	20								1.45	-1.71	.85	.0	5					Miss Loula M. Brown
Kayford	Kanawha	1,335	23								.70	-2.68	.36	.0	4					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	67.6	+3.3	92	8	38	22	41	.47	-2.22	.32	.0	3	18	9	3		J. K. Monroe
Logan	Logan	700	36	73.7		99	9	50	24	41	.62	-2.53	.32	.0	4	18	10	2		Paul A. Simonds
London Locks	Kanawha	623	3	72.1		97	8	47	23	43	.73		.42	.0	5				w.	Lockmaster
Madison	Boone	675	18											..	..					C. B. Whitlock
Marlinton	Pocahontas	2,125	39	66.8	+5.6	91	§8	38	23	44	1.38	-1.63	.60	.0	9	10	18	2		Edward A. Moore
Point Pleasant	Mason	595	46	74.7	+8.8	101	16	46	23	45	1.85	-.56	.90	.0	8	22	5	3	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	64.6		90	§8	33	23	51	.48		.25	.0	4	19	6	5		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	73.6	+4.2	103	10	43	§22	46	1.75	-.55	.75	.0	5	17	10	3	ne.	Lockmaster
Richwood	Nicholas	2,193	9	65.6		91	§8	39	§21	40	1.24		.44	.0	9	1	25	4	se.	Cherry River Paper Co.
Ryan	Roane	700	36	69.4	+4.8	96	§13	32	§22	50	1.75	-1.25	.65	.0	9	21	5	4		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	62.2		91	8	29	§18	57	1.23		.43	.0	5	11	19	0	se.	Supt., State Forest
Spencer	Roane	789	35	72.0	+5.5	99	§8	40	23	48	1.37	-1.51	.57	.0	8	20	9	1		A. M. McKown
Sutton	Braxton	850	33	71.6	+2.9	97	§8	41	23	48	1.05	-2.30	.45	.0	4	26	0	4		C. B. Eakle
Union	Monroe	2,250	35	68.6	+2.5	94	§9	35	22	45	.33	-2.22	.20	.0	2	21	8	1		C. B. King
Wayne	Wayne	598	12								1.11	-1.98	.49	.0	4					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	65.0	+.1	94	8	39	24	40	.50	-2.34	.50	.0	1	25	4	1		White Sulphur Spgs., inc.
Williamson	Mingo	673	39	74.0	+4.3	99	9	51	§12	44	1.32	-1.67	.94	.0	5	22	6	2	nw.	J. E. Dotson
Winfield Locks	Putnam	570	1	71.8		96	§8	47	11	43	3.39		2.07	.0	7	22	0	8	sw.	Lockmaster
State averages and	extremes			**68.8**	**+2.3**	**103**	**10**	**29**	**§18**	**57**	**2.22**	**-.68**	**2.40**	**.0**	**6**	**19**	**8**	**3**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for September 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac			T.		.80					1.00			.22																	1.39		3.41
Brandywine	do			T.		.25								.10							.37						.15	.62		2.40	1.33		5.22
Brushy Run[2]	do			.13	.12	.57								.02																.08	.18		1.10
Harpers Ferry[2]	do					1.50				T.	.13			.06								.07						T.	T.		.36		2.12
Inwood	do					1.42					.18			.20																.50	2.00		4.30
Kearneysville	do				1.22	.47			T.				.05	.07																.02	1.69		3.52
Knobly Mountain[2]†	do			.11	.15	.84					.15			.27	.03																1.05		2.60
Martinsburg[2]	do					1.10			T.	.10	.05			.20	.03													.02	.02		1.00		2.52
McNeill	do			.80	.05	.40					.98		T.	.16														T.	T.	.06	.52		2.97
Petersburg	do		T.	T.	T.	.27				T.	.45			.09																.04	.04		.89
Piedmont	do		.18			.85					.14			.13																1.25	.85		3.40
Romney	do				.81	.30					.12			.30																.96	.60		3.09
Spruce Knob[2]†	do		T.	.27	.70	.23				T.	.17			T.							.08	.13								.37	.44		2.39
Stony River Dam[2]†	do										1.40			.19																	.64		2.23
Wardensville[2]	do			.19	.06	.68					.73			.24	.01	.02	.01		.01			.01								.01	.55		2.52
Northern Division																																	
Aberdeen†	West Fork				T.	1.10				.02	.14			.11				T.			.13	T.						.02		1.07	.27		2.86
Alma (near)	Ohio				1.17						.64										.57									.31	.51		3.20
Alpena	Cheat		.20	.39	.16	.67					.05	T.		.16														T.	.06	.04	1.06		2.79
Belington[2]	Tygart			.03		.85				.01	.22	.02		.22				T.	T.		.03	T.							T.	T.	.75		2.13
Benson†	West Fork				.77						.25			.10							.27									.72	.75		2.86
Bens Run	Ohio		.27		.95	.12			.08		.04			.03						.20	.56					.07			.15	.38	.45		3.30
Brownsville†	West Fork					1.25					.08			.22							.37								.08	.88	.12		3.00
Buckhannon	Tygart					1.10				T.	.06							T.			.29							T.		.68	.38		2.51
Buckhannon No. 2[2]	do					1.10								.09							.17										.98		2.34
Cairo	Litl.Kanawha				1.02														.10	.10								.12	.26	.80	.34		2.74
Clarksburg[2]	West Fork					.52					.70			.05							.19								.05		1.46		2.97
Crawford	do			.67		.70					.04			.15				T.			.26							.22		.27	.28		2.59
Creston[2]	Litl.Kanawha				.14	.50					.03										.15	T.							T.	.05	.56		1.43
Dailey[2]†	Tygart			.41	1.06	.48				.02	.03	T.		.24				T.			.15	.08							.03	T.	.07		2.57
Dam 10, Mon. R.[2]†	Monongahela					.53					.52			.12							.16	T.							.01		1.02		2.36
Dam 13, O. R.[2]†	Ohio					.16					.27			.09							.44										.49		1.45
Dam 15, Mon. R.[2]†	Monongahela					.86				T.	.89	T.		.05							.25	T.							.05		1.32		3.42
Dam 19, O. R.[2]†	Ohio	.06				.09					T.			T.		.01											T.		.06	T.	.65		.87
Dam 20, O. R.[2]†	do					.23					T.					T.		.10			.67	.01						T.	T.		.80		1.81
Elizabeth (Dam 3)[2]	Litl.Kanawha				.58					T.	T.							.03		.48	T.					T.	T.	.39	T.	.66	T.		2.14
Elk†	West Fork					98					.31										.10									.94	.48		2.81
Elkins[1]‡	Tygart	.78		T.	.61	.07			.01		.03		.11	.11				T.			.07							T.		.48	.14		2.41
Fairmont[2]	Monongahela				.60				.03	1.00										.24								T.	.12	1.52	.34		3.85
Glenville[2]	Litl.Kanawha	.19				.50					.10							T.			.35								.21	.62	.70		2.67
Grafton	Tygart			.03		.75			.01		.61			.07							.03									1.20	.33		3.03
Hackers Creek†	West Fork				.10	.72					.33			.14						.16									.01	.60	.50		2.56
Hall[2]	Tygart					1.11					.19	T.		.11							.03	T.							T.		1.22		2.66
Harrison Co. Airport	West Fork					.60				T.	.45			.07							.17									.05	.57		1.91
Hastings	Ohio				.03	.82					.87			.11							.42									.09	.48		2.82
Horner	West Fork					1.28					.05									.50								.10		1.11	.28		3.32
Ireland	do		.30			.26								.27							.16									.08	.28		1.35
Jackson's Mill†	do																																
Jane Lew	do				.02	1.26				.08	.21			.15							.18	T.								.58	.16		2.64
Lost Creek	do			T.	.65	.04				T.	.37		T.	.17							.16							T.		.52	.45		2.36
Mannington	Monongahela		.02		.32	.27					1.06		T.	.14				T.		.06	.34							T.	.09	.56	.42		3.28
Midvale[2]†	Tygart					.90					.05	.06		.22							.21										.66		2.10
Morgantown	Monongahela				.12	.38					.37										.02									.50	.80		2.19
Mt. Clare	West Fork				T.	.58				.03	.50			.14							.20							.04		.60	.32		2.41
New Cumberland	Ohio				.25	.06							.03		.02					.01										.26	.35		.98
New Martinsville	do				.88					.78											.72							.10	.04	.50	.16		3.18
Parkersburg[1]‡	do				.11					.01	T.		T.		T.					.91	T.					T.		.03		.71	.30		2.07
Parsons	Cheat			.74						2.00											T.							T.	*	1.36	.35		4.45
Philippi[2]	Tygart			.08		.90					.67	T.		.14							.02	T.							T.	T.	.44		2.25
Pickens	do				.11	1.00								.15							.15									.18	.42		2.01
Roanoke	West Fork					.22					.01			.34							.26							.05		1.36	.20		2.44
Rockford†	do			T.	.84						.28			.13							.18				T.					1.06	.21		2.70
Rowlesburg[2]	Cheat			.57	.07	.73			T.		.46			.62							T.									T.	1.48		3.93
Saint Marys[2]	Ohio					.90				.08	.23			.02							.97	.02									.75		2.97
Salem	West Fork				.93	.12					.40			.06							.42							.15		.70	.72		3.50
Shinnston	do				.20						1.30			.48							.30									.98	.40		3.66
Terra Alta[2]†	Cheat		.15	T.	1.10					.65			.35								T.								T.	1.60			3.85
Thomas[2]	do		.13		.30	.92				.02	1.33			.18																	1.10		3.98
Valley Chapel	West Fork			.11	.05	.71					.14			.07							.21									.50	.27		2.06
Valley Head[2]	Tygart					.50	.05							.26	.03						.07	.08								.02	.08		1.09
Vandalia†	West Fork			1.09	1.06						.10			.09							.18							.40			.27		3.19
Wellsburg (near)	Ohio				.18	.28							T.							.17	.16	.25				T.				.65	.23		1.92
West Milford	West Fork					.45					.50			.15							.18									.65	.55		2.48
Weston[2]	do						1.48				.14	.04		.10				T.	T.		.28								.05	.15	.63		2.87
Wheeling (Dam 12)[2]	Ohio			.14		.33					.08			T.				T.			.33	.14				T.					.66		1.68
Southern Division																																	
Arbovale[2]	Greenbrier	T.	.25	.09		.16								.08	T.						.13									.04	.64		1.39
Beckley	New	.25		T.	T.	.46					.06									T.	.09										.20		1.06
Bluefield	New					.34															.10										1.04		1.48
Camden-on-Gauley[2]	Gauley					.12								T.							.15								.03		.15		.45
Charleston[2]	Gr. Kanawha					.22					T.										.04	T.							.02	.19	.21		.68
Clay[2]	Elk				.01	.10					T.									.05									.08	.21	.25		.70
Flat Top[2]	New	.27				.66						.05									.01	.06									.17		1.22
Gary[2]	Big Sandy	.10		.01		.29														.03		.16								T.			.59
Greenbottom[2]†	Ohio					.23					.05							T.		T.	.54										.78		1.60
Hinton[2]	New			.04		.20						T.									T.	.01									.30		.55
Hogsett[2]	Ohio					.14					.10																		.15		.90		1.29
Huntington	do				.40	.07					.10									.06	.21									.48	.88		2.20
Institute[2]	Gr. Kanawha	.02		.26	.37	.24					.01										.05	.01							.07	.03	.33		1.39
Kanawha Falls[2]†	do			.85	.10	.20													T.											.10	.20		1.45
Kayford[2]	do					.14					T.										T.	.01								.19	.36		.70
Lewisburg	Greenbrier				.01	.14																									.32		.47
Logan[2]	Guyandot					.23					T.	T.									.05	.02									.32		.62
London Locks[2]†	Gr. Kanawha					.10						.04										.02								.42	.15		.73
Madison[2]	Coal																																
Marlinton	Greenbrier	.40		.10	.01	.60					.01			.03	.01						.10										.12		1.38
Point Pleasant[2]	Ohio					.29					.03	.05				.05		.09			.39								.05	T.	.90		1.85
Rainelle	Greenbrier	.01			T.	.15															.07										.25		.48
Ravenswood[2]	Ohio					.26					.02							.03			.69										.75		1.75
Richwood[2]	Gauley			.05	.12						.02									.12	.03							.22	.02	.22	.44		1.24

Continued on next page.

Daily Precipitation for September 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	.03	.04	.20	....	....	....	....	.10	....	....	....	....	....	....	....	....	.06	.05	....	....	....	....	....	....	.24	....	.65	.38	....	1.75
Seneca State Forest†	Greenbrier	....	....	.35	....	....	....	....	....	....	....	....	....	.13	....	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	.17	.43	....	1.23
Spencer[2]	Litl.Kanawha	....	....	....	....	.45	....	....	....	....	.02	.04	....	....	....	....	....	....	....	....	.09	.01	....	....	....	....	....	....	.04	.15	.57	....	1.37
Sutton	Elk	.10	....	....	....	.45	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	....	.35	....	1.05
Thornwood[2]	Greenbrier	....	.90	....	1.80	....	....	....	....	....	....	....	....	.21	....	....	....	....	....	....	....	.11	....	....	....	....	....	....	.30	.70	.46	....	4.48
Union	New	....	....	....	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.13	....	.33
Wayne[2]	Twelvepole	....	.28	....	....	.09	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	....	....	....	....	....	.49	....	1.11
White Sulp'r Spgs.[2]	Greenbrier	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.50	....	.50
Williamson[2]	Big Sandy	....	....	....	....	.94	....	....	....	....	....	.06	....	....	....	....	....	....	....	....	.19	.01	....	....	....	....	....	....	....	....	.12	....	1.32
Winfield Locks[2]†	Gr. Kanawha	....	....	.03	....	.22	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	2.07	.01	....	....	....	....	....	....	.56	T	.46	....	3.39

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.

T. Trace, or precipitation less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for September 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	80	78	85	82	72	75	85	88	83	75	67	78	68	79	83	86	73	68	79	64	71	73	77	82	79	79	83	83	80	78	....	77.8
	Minimum	46	47	49	48	54	34	34	58	64	61	47	36	38	47	46	43	44	30	30	38	47	39	33	34	42	44	49	47	49	49	....	44.2
Beckley	Maximum	83	85	86	81	76	81	86	82	92	79	70	78	80	85	88	89	80	77	69	63	71	75	79	85	84	85	84	88	87	79	....	80.9
	Minimum	50	53	50	53	53	39	47	59	60	63	40	40	51	56	58	59	51	39	45	50	46	33	37	39	42	47	52	51	59	50	....	49.1
Bluefield	Maximum	82	80	85	85	84	82	86	88	91	90	77	84	86	86	85	87	83	76	69	65	72	72	83	86	86	82	83	86	84	83	....	82.3
	Minimum	56	59	57	57	61	49	58	66	69	68	57	50	60	62	58	62	56	52	52	58	52	43	50	50	50	54	61	61	67	62	....	57.2
Buckhannon	Maximum	82	83	85	80	73	71	83	87	83	78	73	80	81	75	83	84	77	73	73	73	66	67	73	78	78	74	79	83	81	74	....	77.7
	Minimum	55	55	56	55	56	43	53	67	65	66	43	44	60	65	53	50	57	42	46	50	51	40	39	43	47	55	50	52	62	56	....	52.5
Charleston[3]	Maximum	91	90	87	87	82	95	97	96	86	80	94	94	95	95	96	84	85	73	69	72	72	85	89	87	83	87	90	89	72	58	....	85.3
	Minimum	62	63	66	63	61	61	53	58	69	69	52	51	57	68	64	61	60	51	56	60	57	50	48	50	51	58	59	62	62	64	....	58.9
Clarksburg[3]	Maximum	90	90	92	85	78	80	92	97	90	79	76	86	89	91	92	94	79	79	75	69	74	77	82	88	85	76	85	89	88	76	....	84.1
	Minimum	56	57	57	57	60	45	50	54	64	65	45	46	49	55	57	53	54	45	47	51	54	42	40	42	45	53	51	52	58	60	....	52.1
Elkins	Maximum	85	85	86	81	73	76	86	91	85	76	72	84	84	88	90	89	74	76	71	64	70	72	78	85	82	80	83	84	85	78	....	80.4
	Minimum	54	59	57	56	49	44	50	71	67	59	44	43	61	54	53	52	47	40	51	53	46	42	39	41	47	52	52	53	61	52	....	51.6
Fairmont[3]	Maximum	90	90	93	84	79	79	93	97	90	78	76	80	88	90	91	94	79	77	77	68	75	76	84	88	87	74	88	88	82	74	....	83.6
	Minimum	58	59	60	61	61	49	54	66	63	67	47	48	53	56	59	57	61	45	48	58	55	44	42	46	54	58	53	58	60	61	....	55.4
Flat Top	Maximum	76	78	76	77	71	74	80	82	85	76	73	80	82	77	79	84	74	77	65	57	69	72	73	78	75	79	78	82	80	72	....	76.0
	Minimum	56	59	66	66	57	50	63	68	68	68	48	53	63	60	54	57	65	64	47	54	51	46	48	57	55	65	59	64	63	60	....	58.5
Gary[3]	Maximum	88	88	89	87	78	81	91	92	93	85	80	88	89	88	91	92	82	73	64	62	71	76	81	87	87	88	88	91	87	64	....	83.4
	Minimum	58	58	59	59	60	51	52	56	61	63	51	45	47	60	52	53	54	50	53	58	56	52	46	46	46	49	51	56	58	57	....	53.9
Glenville	Maximum	89	88	94	93	87	80	95	97	96	90	81	80	98	95	98	97	96	84	81	73	76	82	82	93	90	88	84	84	90	89	....	88.3
	Minimum	58	57	58	59	62	48	51	65	64	67	42	44	76	62	57	50	58	41	47	58	54	44	40	41	47	52	51	59	61	58	....	54.4
Grafton	Maximum	90	93	93	93	87	82	88	94	98	91	82	85	86	94	94	97	95	84	85	80	76	78	82	90	91	86	88	91	90	88	....	88.4
	Minimum	55	57	57	56	61	44	51	64	65	66	44	46	60	55	55	53	58	40	44	55	53	42	39	42	48	54	54	56	63	59	....	53.2
Huntington	Maximum	92	96	97	87	85	86	98	99	100	91	81	94	96	100	96	99	89	85	78	71	78	82	88	92	89	82	90	90	91	70	....	89.1
	Minimum	62	62	63	68	60	52	52	68	70	71	50	50	65	68	67	59	70	54	61	62	59	48	46	51	59	60	57	61	66	57	....	59.9
Lewisburg	Maximum	84	84	84	84	78	81	89	92	90	91	79	85	90	83	87	90	82	74	70	65	73	76	82	84	85	87	87	90	88	80	....	83.1
	Minimum	56	55	54	54	58	43	51	64	65	64	46	44	55	62	47	50	55	43	47	53	48	38	43	43	45	49	56	54	66	56	....	52.1
Logan[3]	Maximum	91	93	93	90	85	87	95	97	99	90	85	94	95	95	92	96	81	88	69	70	72	80	85	91	90	90	90	91	89	76	....	88.0
	Minimum	61	62	61	63	64	59	57	57	65	67	59	59	59	64	60	58	60	58	58	60	58	56	55	50	52	53	56	60	63	67	....	59.4
Madison[3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	82	83	86	82	74	73	88	93	83	79	72	77	82	85	86	87	75	74	72	66	69	71	76	81	82	73	81	81	80	72	....	78.8
	Minimum	58	57	58	57	60	45	51	64	66	64	44	47	58	54	57	52	59	42	45	57	53	42	39	42	48	54	52	56	60	56	....	53.0
Marlinton	Maximum	84	82	83	83	81	80	89	91	91	82	81	84	89	86	87	91	81	78	75	68	74	77	81	85	85	87	86	89	87	82	....	83.3
	Minimum	56	59	57	54	56	44	48	58	60	60	42	43	56	60	52	52	52	40	39	49	47	40	38	41	41	48	51	50	61	55	....	50.3
Martinsburg[3]	Maximum	90	90	90	90	83	79	89	101	87	83	77	72	63	81	81	93	84	72	72	80	72	80	87	90	91	83	64	77	81	85	....	82.2
	Minimum	58	63	65	63	65	53	58	60	65	67	57	50	57	53	52	55	59	46	44	50	53	48	45	49	50	57	52	52	55	61	....	55.4
Morgantown	Maximum	85	87	87	84	77	80	85	93	88	76	76	90	89	90	92	90	89	79	75	70	69	76	79	83	80	70	80	74	72	69	....	81.1
	Minimum	62	60	59	60	57	50	54	65	53	58	50	55	56	50	60	59	58	45	54	53	54	50	45	48	50	45	50	49	54	48	....	53.7
New Martinsville	Maximum	90	91	92	87	80	84	90	98	90	85	76	78	85	93	94	95	82	83	75	75	77	78	82	88	85	75	84	86	85	72	....	84.5
	Minimum	56	58	60	70	58	49	58	62	64	60	44	50	60	60	65	64	60	45	44	55	52	48	45	48	50	55	54	55	60	55	....	55.5
Parkersburg	Maximum	89	91	92	87	79	80	95	98	93	82	77	88	93	95	94	96	77	78	64	73	73	76	82	88	86	74	85	89	89	70	....	84.4
	Minimum	62	64	64	66	60	52	60	75	67	60	48	51	66	67	68	61	59	50	56	59	54	47	45	50	61	57	55	59	66	52	....	58.7
Pickens	Maximum	84	84	85	80	74	73	80	85	82	75	68	78	81	83	84	84	75	76	71	62	65	69	73	78	78	78	82	81	80	75	....	77.4
	Minimum	55	54	54	55	50	48	52	63	63	58	45	42	56	54	55	50	40	36	41	52	45	38	40	43	37	52	46	43	49	45	....	48.7
Point Pleasant	Maximum	95	96	94	92	86	85	96	100	99	97	84	95	98	100	100	101	99	82	79	78	76	81	87	93	89	87	89	91	90	69	....	90.3
	Minimum	61	63	63	67	59	50	59	70	66	69	49	49	64	67	66	56	68	49	59	58	56	47	46	50	59	61	54	60	65	63	....	59.1
Rainelle	Maximum	82	81	86	82	77	79	88	90	90	83	75	87	90	84	86	90	80	74	66	64	70	77	80	84	85	83	86	88	86	71	....	81.5
	Minimum	53	53	53	53	57	41	44	52	57	57	39	36	52	61	50	49	48	40	47	51	48	38	33	36	37	42	45	48	60	53	....	47.8
Richwood[3]	Maximum	81	86	86	82	75	79	89	91	91	82	76	87	88	87	85	91	77	77	68	63	70	75	81	84	84	83	84	87	87	76	....	81.8
	Minimum	56	57	55	56	43	46	50	59	61	42	42	52	57	52	50	52	40	47	52	48	39	39	41	44	45	51	51	52	53	50	....	49.4
Romney	Maximum	88	86	89	91	80	80	90	95	90	82	80	80	71	80	94	92	88	71	75	80	74	84	80	88	90	85	84	82	85	72	...	83.5
	Minimum	54	54	62	57	62	45	52	80	70	62	55	45	51	60	68	54	60	40	40	50	52	44	18	40	50	60	54	55	57	52	....	54.4
Speucer[3]	Maximum	91	94	92	89	80	94	96	99	96	84	77	93	96	94	96	97	82	81	67	71	76	79	85	90	89	83	90	90	99	72	....	87.4
	Minimum	58	60	60	64	58	47	62	67	67	78	44	45	60	66	63	56	66	47	49	59	54	41	40	42	53	59	53	57	64	62	....	56.7
Sutton	Maximum	88	89	90	90	89	80	94	97	97	92	82	92	95	95	95	97	97	82	80	78	76	80	83	90	90	85	87	87	93	93	....	88.8
	Minimum	58	60	59	59	63	50	52	64	65	62	45	46	61	60	56	55	57	43	43	58	56	46	41	42	48	52	53	55	63	60	....	54.4
Wardensville[3]	Maximum	86	85	87	88	78	78	88	94	85	80	73	74	60	78	83	91	80	67	71	76	73	76	82	85	90	85	75	79	85	85	....	80.6
	Minimum	52	59	52	57	60	44	52	58	69	65	51	44	50	58	49	51	56	40	41	45	48	45	41	43	45	53	53	53	54	57	....	51.5
Weston	Maximum	91	92	91	89	86	82	94	96	93	89	79	83	92	92	94	95	92	87	80	76	76	80	85	91	88	84	91	90	98	85	....	88.0
	Minimum	57	58	58	59	59	47	55	67	67	68	45	52	57	57	58	54	59	44	54	48	55	45	41	49	52	59	60	58	64	52	....	55.3
Wheeling[3]	Maximum	89	90	91	85	78	73	95	99	89	81	76	75	88	95	94	95	78	79	76	75	77	77	81	86	84	65	84	85	87	70	....	83.2
	Minimum	62	63	63	63	61	53	53	68	62	63	48	53	57	60	65	61	63	45	44	54	52	45	46	43	46	53	53	47	57	65	....	55.6
Williamson[3]	Maximum	92	93	90	88	87	90	96	98	99	92	85	95	93	95	96	97	83	86	64	73	74	82	86	90	90	90	89	91	92	78	....	88.5
	Minimum	63	63	63	65	64	58	58	65	66	68	52	51	58	65	58	60	61	54	55	60	60	58	51	54	53	56	58	63	65	63	....	59.6

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.006	.145	.143	.266	.138	.222	.106	.222	.276	.198	.187	.120	.090	.152	.114	.142	.039	.276	.169	.024	.053	.101	.094	.116	.101	.006	092	.071	.072	.181	....	3.922
	Wind movement	8	12	14	13	22	48	8	69	85	25	56	16	15	16	7	5	14	49	38	0	23	21	10	21	25	12	26	27	11	28	....	724

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 10-25-39—900)

1.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., OCTOBER 1939 No. 10

GENERAL SUMMARY

For the State as a whole, precipitation was slightly above normal. The northeastern panhandle division averaged 130 per cent and the northern division 112 per cent of the normal. Except for one station all the stations reporting an excess were in the northeastern panhandle and northern divisions. However, the southern division continued considerably below normal, averaging only 75 per cent of the normal in October and only 58 per cent in the three months ending October 31st. In consequence, a forest fire hazard developed early in the month in the southern division. This situation became acute by the 23d with 32 new fires breaking out in the counties of McDowell, Mercer, Wyoming, Mingo, Kanawha, Boone, Nicholas, Raleigh, Logan, and Lincoln. These fires were brought under control with the help of the showers of the 26th and succeeding days. Measurable amounts of snow fell in Pocahontas, Randolph, Pendleton, Tucker, and Grant Counties on the 31st, necessitating the use of snow plows on Route 219 in Tucker County.

Temperatures averaged 1.3° above normal. The latter part of the first decade was unseasonably warm with five stations reporting maximum temperature of 92°. Killing frosts were reported from a large number of stations on the 13th and 15th.

Sunshine and clear skies were somewhat above normal. Visibility was lessened on a considerable number of days by ground fogs and local and forest fire smoke.

The weather favored farm work, much of the corn crop being shucked and cribbed. Winter grains were benefited by the rains at the end of the month and are off to about a fair start. Grasses deteriorated most of the month to be somewhat revived by the rains at the end. Farm water supply in southern half of the state continued very low.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 61 stations, was 55.9°, or 1.3° above the normal. The mean for the northeastern panhandle division was 53.8°; for the northern division, 55.3°; and for the southern division, 57.3°. The highest monthly mean was 61.6° at Huntington and the lowest, 48.0° at Bayard. The highest temperature was 92° at five stations, two on the 8th and 9th and three on the 9th, and the lowest, 14° at Beckley on the 15th. The greatest daily range was 61° at Petersburg on the 19th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 106 stations, was 3.24 inches, or 0.38 inch above the normal. In the northeastern panhandle division the average was 3.61 inches; in the northern division, 3.87 inches; and in the southern division, 2.08 inches. The greatest monthly precipitation was 5.58 inches at Martinsburg and the least 0.85 inch at Kanawha Falls. The greatest amount in any 24 consecutive hours was 2.92 inches at Harpers Ferry on the 3d. The average monthly snowfall was 0.1 inch, or 0.2 inch below the normal. The greatest monthly snowfall was 3.00 inches at Stony River Dam. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora			2																												
Fogs, dense	2	3	7	26	21	4	13	6	3	5	7	6	16		12	11	5	17	4	4	1	1		2	2	1	2	2	6	4	1
Frost, killing												1	29		27	2	1	2													
Gales														2							1	6	2				1	1			
Hail																					3	2									
Halos, lunar																						1		1	1	1	1				
Halos, solar					3																1										
Sleet																												1			
Thunderstorms	2					2															27	3		7	9	21	4	1	2		

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PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.08	30.49	15	29.70	22	7.3	22	sw.	27	78	42	52	76
Columbus, Ohio	30.06	30.47	15	29.65	27	9.7	31	sw.	8	82	42	55	65
Elkins	30.12	30.51	15	29.60	28	5.5	27	w.	28	89	51	70	63
Parkersburg	30.07	30.51	15	29.66	28	6.3	24	w.	28	82	46	55	59
Pittsburgh, Pa	30.07	30.49	15	29.57	28	11.0	34	w.	28	78	47	56	55
Wytheville, Va	30.11	30.44	18	29.71	22	6.1	24	nw.	28	82	49	60	61

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97		7			
1892	52.6	89	24	.21	1.05	.48	.83		4			
1893	54.1	86	16	4.85	4.20	5.91	4.74		5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	**.40**	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	8	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
Period	54.6	102	8	2.71	2.98	2.75	2.86	.3	7	16	7	8

Climatological Data for October 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	48.0	−1.2	83	9	16	18	53	3.42	+0.16	1.11	T.	11	14	7	10	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	55.8	+2.5	88	9	21	16	49	3.20	+.83	1.20	2.0	5	21	0	10	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	50	....	....	....	....	....	....	....	5.48	+2.22	2.92	.0	7	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	7	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	H. W. Prettyman
Kearneysville	Jefferson	548	9	55.5	....	90	§9	25	16	44	5.09	....	1.92	.0	10	16	9	6	sw.	University Exper. Station
Martinsburg	Berkeley	435	47	56.1	+1.4	91	10	29	§16	43	5.58	+2.51	2.40	.0	7	19	10	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	48.8	−5.3	80	§9	16	16	48	2.66	+.35	.88	T.	7	16	8	7	w.	R. E. Saville
Piedmont	Mineral	1,053	26	55.6	+2.2	86	9	26	§16	45	2.49	−.16	.80	.0	7	14	9	8	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	56.8	+1.9	90	9	23	16	49	2.66	+.11	1.01	.0	6	14	9	8	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	....	....	....	....	....	....	....	2.60	....	.87	1.0	7	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	19	....	....	....	....	....	....	....	4.74	+1.54	1.20	3.0	9	8	7	16	w.	A. C. Becker
Wardensville	Hardy	1,200	18	53.0	+.4	88	9	22	30	51	3.31	+.15	1.22	.0	11	16	9	6	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	....	....	....	....	....	....	....	4.09	+.55	1.53	.0	8	14	8	9	....	L. Esle Bond
Alma (near)	Tyler	800	12	....	....	....	....	....	....	....	3.38	+.66	1.00	.0	8	20	2	9	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	50.7	....	82	8	15	15	50	4.37	....	1.68	2.0	10	18	9	4	....	Christian Hertig
Benson	Harrison	1,080	15	54.6	+1.7	89	9	19	§15	49	4.10	+.54	1.40	.0	9	13	12	6	....	R. D. Marts
Bens Run	Pleasants	652	37	58.5	+1.9	90	9	....	....	....	3.53	+.51	1.21	.0	7	23	4	4	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	59.4	+4.8	90	9	24	§16	48	3.06	−.36	1.20	.0	10	16	7	8	....	M. D. Hawkins
Buckhannon	Upshur	1,411	42	53.1	−.7	80	9	22	15	40	4.79	+1.65	1.88	.0	8	19	4	8	....	H. A. Darnall
Cairo	Ritchie	680	38	57.4	+1.6	91	9	23	§14	49	....	....	1.83	.0	6	23	8	0	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	53.3	−.1	87	§8	24	15	51	3.90	+.77	1.33	.0	9	17	4	10	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	....	....	....	....	....	....	....	4.15	+.66	1.35	.0	9	18	6	7	nw.	George W. Blair
Creston	Wirt	640	37	53.6	−2.1	85	§8	21	§15	43	3.39	+.24	1.12	.0	7	20	6	5	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	....	....	....	....	....	....	....	3.37	+.20	1.43	.0	12	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	23	....	....	....	....	....	....	....	3.48	+.79	1.65	.0	8	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	18	....	....	....	....	....	....	....	3.73	+.49	1.58	.0	12	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	23	....	....	....	....	....	....	....	2.56	−.09	1.01	.0	9	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	23	....	....	....	....	....	....	....	4.01	+1.26	1.71	.0	7	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	....	....	....	....	....	....	....	3.69	+.77	1.52	.0	7	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	38	53.4	+1.1	84	8	21	15	44	4.32	+1.41	1.55	T.	9	8	8	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	55.0	−.1	88	§8	26	15	48	3.30	+.19	1.53	.0	13	16	4	11	s.	J. C. Robinson
Glenville	Gilmer	738	45	56.0	−.2	89	9	23	§15	47	3.41	+.20	1.20	.0	7	6	10	15	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	58.6	+3.4	90	10	23	15	46	3.97	+1.01	1.44	T.	15	18	9	4	....	L. W. Clayton
Hastings	Wetzel	809	4	....	....	....	....	....	....	....	3.61	....	1.20	T.	9	19	5	7	w.	L. G. McIntyre
Horner	Lewis	1,044	16	....	....	....	....	....	....	....	4.38	+.69	1.20	.0	8	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	16	....	....	....	....	....	....	....	4.06	+.74	1.46	.0	10	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	56.0	+1.8	89	8	20	15	49	3.36	+.37	1.35	.0	10	16	5	10	w.	Allen Smith
Mannington	Marion	974	36	53.8	+.2	84	9	22	§15	41	3.67	+.50	1.02	.0	12	17	4	10	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	54.2	−1.0	89	8	23	15	42	2.75	−.40	.50	T.	9	22	4	5	....	Bruce Davis
New Cumberland	Hancock	671	41	55.8	+1.8	86	9	26	§15	42	3.62	+.90	1.40	.0	9	15	2	14	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	57.6	+.8	88	§8	28	17	41	3.64	+.52	1.48	.0	7	16	8	7	n.	Wm. Ankrom
Parkersburg	Wood	615	52	58.2	+2.1	89	9	28	15	40	3.13	+.65	1.53	.0	8	16	9	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	56.0	+4.5	86	8	22	15	45	3.60	+.33	2.00	.0	5	13	6	12	....	J. W. Swisher
Philippi	Barbour	1,300	42	....	....	....	....	....	....	....	4.25	+1.11	1.65	.0	8	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	36	50.5	−1.2	80	§9	19	29	47	5.19	+1.15	1.73	2.0	10	16	10	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	....	....	....	....	....	....	....	4.17	+.75	1.38	.0	8	19	3	9	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	....	....	....	....	....	....	....	4.33	−.02	1.74	.0	13	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	31	....	....	....	....	....	....	....	3.71	+.85	1.45	.0	9	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	38	50.9	+1.9	86	9	19	§15	45	5.08	+1.19	2.15	.0	10	17	7	7	w.	John Dee Williston
Thomas	Tucker	3,000	10	....	....	....	....	....	....	....	3.86	....	1.66	T.	8	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	16	57.6	+2.2	89	9	24	§15	45	4.15	+.74	1.44	.0	9	15	10	6	w.	S. A. Spence
Vandalia	Lewis	1,120	16	....	....	....	....	....	....	....	3.84	+.87	1.46	.0	7	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	32	54.5	+1.0	91	9	19	18	51	2.99	+.27	1.50	.0	6	19	4	8	....	George P. Pfister
West Milford	Harrison	979	14	....	....	....	....	....	....	....	4.29	+.07	1.25	.0	10	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	44	58.6	+3.1	90	8	25	15	45	4.45	+1.64	1.42	.0	10	4	17	10	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	55.6	+.7	88	9	29	16	47	3.43	+.70	1.33	T.	8	13	7	11	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	....	....	....	....	....	....	....	2.31	−.33	1.33	1.0	6	17	9	5	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	53.8	−.6	86	9	14	15	48	1.63	−1.35	.51	T.	8	16	11	4	....	L. A. Mauck
Bluefield	Mercer	2,558	44	57.8	+2.1	82	§8	26	15	35	1.41	−1.36	.65	.0	7	20	5	6	....	Norfolk & Western Ry.
Charleston	Kanawha	602	36	59.8	+.9	89	11	30	30	42	2.11	−.93	1.17	.0	5	0	21	10	....	Charleston Daily Mail
Clay	Clay	790	23	....	....	....	....	....	....	....	2.51	−.47	1.27	.0	8	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	1	54.8	....	80	9	24	29	32	1.96	....	.67	T.	8	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	23	55.4	−.2	89	26	23	15	38	1.18	−1.72	.40	.0	9	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	58.1	....	89	9	21	29	44	2.76	....	1.33	.0	6	20	6	5	sw.	State Forest Nursery
Hinton	Summers	1,431	42	57.7	+.7	91	9	24	16	51	1.30	−1.53	.32	.0	6	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	23	....	....	....	....	....	....	....	2.14	−.49	1.20	.0	5	....	....	....	....	Lockmaster
Huntington	Cabell	571	42	61.6	+5.2	92	§8	31	§16	43	3.12	+.60	1.75	.0	6	13	15	3	nw.	H. N. Robinson
Institute	Kanawha	616	1	59.6	....	90	§8	28	29	43	2.13	....	1.29	.0	6	....	....	....	....	Civil Aeronautics Authorit
Kanawha Falls	Fayette	618	20	....	....	....	....	....	....	....	.85	−2.45	.60	.0	3	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	....	....	....	....	....	....	....	1.68	−1.64	.92	.0	8	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	55.2	+2.0	87	§9	22	§15	48	2.16	−.84	.70	.0	7	15	10	6	....	J. K. Monroe
Logan	Logan	700	36	60.6	....	92	9	30	16	49	1.52	−1.53	.60	.0	6	17	6	8	....	Paul A. Simonds
London Locks	Kanawha	623	3	58.6	....	89	§8	31	§15	40	1.42	....	.78	.0	5	....	....	....	w.	Lockmaster
Madison	Boone	675	18	59.0	+3.4	91	10	27	§15	49	1.78	−.85	1.00	.0	5	16	13	2	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	54.8	+5.2	86	8	19	17	51	2.02	−.97	.85	.0	8	5	23	3	....	Edward A. Moore
Point Pleasant	Mason	595	46	60.9	+3.7	92	9	27	29	43	2.47	−.34	.97	.0	7	18	9	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	52.6	....	85	9	16	§15	54	1.93	....	.59	.0	8	18	4	9	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	59.4	+3.1	90	9	25	15	46	2.61	−.18	.82	.0	7	21	1	9	ne.	Lockmaster
Richwood	Nicholas	2,193	9	52.6	....	85	8	21	14	43	2.27	....	.68	T.	10	3	19	9	nw.	Cherry River Paper Co.
Ryan	Roane	700	36	58.4	+5.7	90	§7	22	15	52	2.46	−.70	1.00	.0	8	20	7	4	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	52.4	....	88	8	15	§15	64	2.12	....	.78	1.5	6	14	14	3	sw.	Supt., State Forest
Spencer	Roane	789	35	57.2	+2.3	91	9	24	§15	47	3.38	+.22	1.15	.0	9	15	10	6	....	A. M. McKown
Sutton	Braxton	850	33	58.4	+1.7	90	§9	23	15	48	3.90	+.91	1.42	.0	9	....	....	....	....	C. B. Eakle
Union	Monroe	2,250	35	56.9	+2.5	87	§9	17	15	52	1.94	−.79	.70	.0	5	22	6	3	....	C. B. King
Wayne	Wayne	598	12	....	....	....	....	....	....	....	2.38	−.50	1.40	.0	5	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	54.6	+2.2	81	§9	18	15	51	1.65	−1.16	.60	.0	6	22	2	7	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	60.6	+2.8	92	§8	30	§16	48	1.22	−1.57	.62	.0	6	16	10	5	ne	J. E. Dotson
Winfield Locks	Putnam	570	1	58.7	....	89	9	30	15	47	2.32	....	1.33	.0	7	16	4	11	nw.	Lockmaster
State averages and	extremes	....	....	**55.9**	**+1.3**	**92**	**§8**	**14**	**15**	**61**	**3.24**	**+.38**	**2.92**	**0.1**	**8**	16	8	7	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for October 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.53	.63	.15								.06													.25	.08	.07	.20	1.11	.20		.14	3.42
Brandywine	do	1.20	1.10																			T.	T.				T.	.05	.20			.65	3.20
Brushy Run[2]	do	.89	1.87	.12																			.15				T.	.09	.29	T.		.17	3.58
Harpers Ferry[2]	do	.59	.98	2.92																			.03				.02		.29	T.		.65	5.48
Inwood	do																																
Kearneysville	do	.83	1.92	.04																		.26				.04	.04	.16	.28		.08	1.44	5.09
Knobly Mountain[2]†	do	1.05	.18	.20																			.99		T.	.06	.07	.10	.40	T.		.28	3.33
Martinsburg[2]	do	2.40	.50	1.30																		T.	.18	T.	T.	T.	.10	T.	.60			.50	5.58
McNeill	do	.33	.39	.05																			T.		T.		.33	.10	.58		T.	.88	2.66
Petersburg	do	.46	.49	T.								T.																	.28			1.12	2.35
Piedmont	do	.12	.80																			.01				.21		.15	.60		T.	.60	2.49
Romney	do	.30	.75				.02															.50						.08				1.01	2.66
Spruce Knob[2]†	do	.74	.17									T.										T.		T.		T.	.27	.19	.87	.32		.04	2.60
Stony River Dam[2]†	do	1.10	1.13	.36								.05													.02		.24	.34	1.20			.30	4.74
Wardensville[2]	do	1.22	1.06	.07	.03	.03																	.08			.03	.11	.01	.24			.43	3.31
Northern Division																																	
Aberdeen†	West Fork	.58	.50	T.								.26										.06	T.	T.	T.	T.	.75	.18	1.53			.23	4.09
Alma (near)	Ohio	.20	.22									.08														.38	.80	1.00	.66			.04	3.38
Alpena	Cheat	.40	.38									.10										.15	.14	T.		.02	.69	.44	1.68			.37	4.37
Belington[2]	Tygart	.34	.91	T.			T.					.13						T.				.01	T.		T.	.02	.36	.31	1.56	.06		.01	3.71
Benson†	West Fork	.38	.42									.16										.22				.12	1.00	.25	1.40			.15	4.10
Bens Run	Ohio	.20										T.						T.				.11		T.	T.	.39	1.06	1.21	.46			.10	3.53
Brownsville†	West Fork	.53	.47									.22						.01				.08				.01	1.20	.26	.02			.26	3.06
Buckhannon	Tygart	.44	.64									.14										T.	T	T.	.04	T.	1.07	.29	1.88			.29	4.79
Buckhannon No. 2[2]	do																									.72		.54	1.85				||||
Cairo	Litl. Kanawha																					.03				.31	1.33	.05	1.83			.10	||||
Clarksburg[2]	West Fork	.48	.50	.01			T.															.28				.10	.77	.32	1.33	.11			3.90
Crawford	do	.36	.56									.09										T.	.01			.02	1.29	.22	1.35			.25	4.15
Creston[2]	Litl. Kanawha	.40	.21				T.					.30										.10		T.		.19	1.12	.10	.95			.02	3.39
Dailey[2]†	Tygart	.65	.69	T.				T.				.07						T.	T.			T.	.11	T.		.05	.48	.20	1.33	.12		.13	3.83
Dam 10, Mon. R.[2]†	Monongahela	.31	.19	.16			.01											.04				T.	.23		.02	.14	.58	.21	1.43	.05			3.37
Dam 13, O. R.[2]†	Ohio	.20	.01									.13										.01				.08	.70	.70	1.65				3.48
Dam 15, Mon. R.[2]†	Monongahela	.37	.12	.14			.07					.05						T.				T.	.05		.02	.10	.59	.61	1.58	.03			3.73
Dam 19, O. R.[2]†	Ohio	.35	.04									.02						T.							T.	.10	1.01	.24	.75	.03		.02	2.56
Dam 20, O. R.[2]†	do	.64	.02									T.									T.					.07	1.71	.06	1.48			.03	4.01
Elizabeth (Dam 3)[2]	Litl. Kanawha	.44					.10														T.				.06	1.47		.06	1.52			.04	3.69
Elk†	West Fork	.40	.54																			.15				.05	.45	.16	1.70			.22	3.67
Elkins[1]‡	Tygart	.45	.38				T.					.10			T.							.12	T.	T.	T.	.01	.90	1.37	.36		T.	.63	4.32
Fairmont[2]	Monongahela		.24	.06			.08					.05										.06			.05	.06	.67	.32	1.53	.02	.02	.14	3.30
Glenville[2]	Litl. Kanawha	.56	.14									.31										.11				T.	1.20	.18	.91			T.	3.41
Grafton	Tygart	.44	.33	.01			.07					.14										.13	.14	.01	.03	.27	.57	.13	1.44	.03		.23	3.97
Hackers Creek†	West Fork	.27	.49				.01					.13										.01				.09	.55	.25	1.51			.56	3.87
Hall[2]	Tygart	.47	.98	T.								.17						T.				T.	.07			T.	.51	.23	1.73	.03		T.	4.19
Harrison Co. Airport	West Fork	.41	.32	.03			.02					.12										T.	.20	T.	T.	.06	.54	.39	1.50	.15		T.	3.74
Hastings	Ohio	.22	.32									.05						T.				.15			T.	.45	.75	.45	1.20	.02			3.61
Horner	West Fork	.20	.80																				.30			.01	1.20	.75	.90			.22	4.38
Ireland	do	.40	.31	.27								.08														.07	1.19	.15	1.27			.28	4.02
Jackson's Mill†	do																																
Jane Lew	do	.62	.48									.26										.12				.03	.77	.17	1.46	.01		.14	4.06
Lost Creek	do	.51	.56				.04					.11						T.				.05	T.	T.		.04	.46	.12	1.35			.12	3.36
Mannington	Monongahela	.25	.21	T.			.01					.07			.01			T.			T.	.05	T.		.02	.43	.69	.84	1.02			.07	3.67
Midvale[2]†	Tygart	.40	.69									.20											.16				.56	.84	1.71			T.	4.56
Morgantown	Monongahela	.12	.35				T.					T.						.03				.06		T.	T.	.44	.50	.50	.50			.25	2.75
Mt. Clare	West Fork	.56	.46				.02					.11										.06		T.		.07	.93	.25	1.20			.17	3.83
New Cumberland	Ohio	.04								.02		.04			T.								T.			.64	1.10	1.40	.16	.16		.06	3.62
New Martinsville	do	.32	.04									.15														.40	.45	1.48	.80				3.64
Parkersburg[1]‡	do	.18	.01			T.					.05							T.				T.		T.	T.	.46	1.13	1.20	.09			.01	3.13
Parsons	Cheat	*	*	.56																			.18	T.	T	T.	.18	*	2.00			.68	3.60
Philippi[2]	Tygart	.61	.91	T.								.32						T.				T	.07	T.		T	.34	.30	1.65	.05			4.25
Pickens	do	.48	.92									.25										.08	.02			.03	.90	.44	1.73			.34	5.19
Roanoke	West Fork	.54	.48						T.			.14										.08			T.	T.	1.08	.28	1.38			.19	4.17
Rockford†	do	.57	1.08									.03						T.				.07	T.	T.		.03	.54	.44	1.28			.18	4.22
Rowlesburg[2]	Cheat	.42	.45	.26			.07					.16											.02	.17	.06	.11	.43	.23	1.74	.21		T.	4.33
Saint Marys[2]	Ohio	.44	.08									.05						.02				.02				.05	1.10	.50	1.45				3.71
Salem	West Fork	.45	.23				.14					.07										T.				.42	.97	.58	1.35			.11	4.32
Shinnston	do	.10	.55				.06					.07										.09		.02	.40	.10	.52	1.08				.90	3.89
Terra Alta[2]†	Cheat	*	.85				T.					.30			T.							.13		.05	.15	.45	.10	2.15	.50			.40	5.08
Thomas[2]	do	.50	.67	.10								.23											T.				.54	.08	1.66	.08		T.	3.86
Valley Chapel	West Fork	.33	.61									.29										.07				.04	1.06	.17	1.44			.14	4.15
Valley Head[2]	Tygart	.39	.51	.02																			.04			.03	.22	.47	1.50	.08		.13	3.39
Vandalia†	West Fork	.33	.43									.16															.97	.28	1.46			.21	3.84
Wellsburg (near)	Ohio		.04									.12										T.				.40	.70	1.50	.23				2.99
West Milford	West Fork	.50	.52				.08					.09										.11				.09	.95	.15	1.25			.55	4.29
Weston[2]	do	.53	.58									.18										.06	.04			.03	.81	.78	1.42	.02			4.45
Wheeling (Dam 12)[2]	Ohio	.23										.15			T.			T.				T.	.01		.01	.07	.90	.73	1.33	T.			3.43
Southern Division																																	
Arbovale[2]	Greenbrier	1.33																				T.	.04			T.	.10	.14	.20			.50	2.31
Beckley	New	.51					.08					.07										.07	.04					.15	.47			.24	1.63
Bluefield	New	.65	.05							.13																	.06	.15	.15			.22	1.41
Camden-on-Gauley[2]	Gauley	.50	.36									.03										T.	.03				.40	.16	1.05	.04		.03	2.60
Charleston[2]	Gr. Kanawha		.54									.21																.18	1.17			.01	2.11
Clay[2]	Elk	.49	.13									.09										.02					.28	.22	1.27	.01			2.51
Flat Top[2]	New	.09	.49						.23			.03											.21					.12	.67	.12			1.96
Gary[2]	Big Sandy	.40	.05						.02			.02											.01				.06	.19	.38			.05	1.18
Greenbottom[2]†	Ohio	.85										.28										.06					.13	.11	1.33				2.76
Hinton[2]	New	.32	.31																			T.	.03					.13	.31			.20	1.30
Hogsett[2]	Ohio	.62										.16														T.	.11	.05	1.20			T.	2.14
Huntington	do	.56										.27										.18				.18		.18	1.75			T.	3.12
Institute[2]	Gr. Kanawha	.49	.02									.21															T.	.10	1.29	T.		.02	2.13
Kanawha Falls[2]†	do	.20	T.									T.																T.	.60		T.	.05	.85
Kayford[2]	do	.52	.01				T.					.09										T.	.01					.05	.92	.05		.03	1.68
Lewisburg	Greenbrier	.70	.05		T.																	.13	.11					.08	.39			.70	2.16
Logan[2]	Guyandot	.50	T.				T.		T.			.08	T.									T.	.16					.12	.60			.06	1.52
London Locks[2]†	Gr. Kanawha	.28	.21									.12																.03	.78			T.	1.42
Madison[2]	Coal	.49										.14																.12	1.00			.03	1.78
Marlinton	Greenbrier	.85	.16																			.01	.08				.23	.14	.17			.38	2.02
Point Pleasant[2]	Ohio	.83	.03									.10													T.	.03	.40	.11	.97			T.	2.47
Rainelle	Greenbrier	.58	.06									.05										.06	.03					.26	.59			.30	1.93
Ravenswood[2]	Ohio	.60	.08									.14														T.	.82	.10	.82			.05	2.61
Richwood[2]	Gauley	.62				.05					.08	.02										.02					.17	.68	.14		.12	.37	2.27

Continued on next page.

Daily Precipitation for October 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.51	....	....	....	....	....	....	....	....	....	.21	....	....	....	....	....	....	....	....	....	.03	....	....	....	.03	.48	.15	1.00	....	....	.05	2.46
Seneca State Forest†	Greenbrier	.78	.41	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	....	....	.30	.11	....	....	....	.12	2.12
Spencer[2]	Litl.Kanawha	.26	.12	....	....	....	....	....	....	....	....	.25	....	....	....	....	....	....	....	....	....	.07	....	....	....	.06	1.14	.25	1.15	T.	....	.08	3.38
Sutton	Elk	.45	.30	....	....	....	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	....	....	.10	....	....	.05	1.13	.10	1.42	....	....	.20	3.90
Thornwood[2]	Greenbrier	.25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.03	.39	.36	.13	.30	....	.40	1.86
Union	New	.70	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.09	....	....	....	....	.08	.65	....	....	.42	1.94
Wayne[2]	Twelvepole	.67	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.18	1.40	....	....	.03	2.38
White Sulp'r Spgs.[2]	Greenbrier	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	....	.05	.40	....	....	....	.60	1.65
Williamson[2]	Big Sandy	.62	....	....	....	....	T.	....	....	....	....	.09	....	....	....	....	....	....	....	....	....	....	.04	....	....	....	....	.12	.31	....	....	.04	1.22
Winfield Locks[2]†	Gr Kanawha	.60	.05	....	....	....	....	....	....	....	....	.26	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	.06	1.27	....	....	.05	2.32

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for October 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	55	47	45	73	73	74	79	82	83	81	58	60	65	50	56	66	50	60	73	73	70	60	48	62	64	70	73	42	61	45	37	62.4
	Minimum	48	39	39	32	32	35	42	38	40	51	48	43	25	25	18	18	20	16	20	35	30	30	37	40	40	43	48	42	20	20	23	33.5
Beckley	Maximum	65	53	71	77	76	79	81	84	86	85	68	65	71	63	61	69	53	70	75	77	76	67	66	80	79	80	78	73	56	61	52	70.9
	Minimum	41	40	42	35	37	49	46	46	50	48	46	33	23	35	14	22	28	23	35	34	39	43	27	32	51	53	56	34	16	26	30	36.6
Bluefield	Maximum	75	53	70	73	74	76	74	82	82	80	78	62	69	68	54	64	65	65	73	72	73	74	64	78	76	76	77	75	59	59	55	70.2
	Minimum	50	46	48	46	45	56	55	52	52	58	54	42	34	42	26	28	39	34	44	46	51	48	40	52	57	59	64	45	27	30	36	45.4
Buckhannon	Maximum	56	60	58	78	72	73	75	78	80	79	70	61	60	60	55	61	60	60	70	70	72	62	54	64	71	69	75	73	49	58	55	65.7
	Minimum	46	42	38	38	50	53	46	47	55	52	55	42	29	40	22	23	30	23	37	37	46	52	44	29	49	55	55	39	25	26	29	40.5
Charleston[3]	Maximum	64	71	78	79	82	85	88	88	88	89	69	70	57	59	61	61	69	72	78	79	71	66	74	80	83	84	85	58	65	51	59	73.0
	Minimum	55	48	45	47	51	53	59	61	60	59	57	48	38	40	40	32	34	34	36	45	48	53	43	41	43	59	62	50	37	30	40	46.7
Clarksburg[3]	Maximum	55	55	60	76	79	79	83	87	87	85	63	66	68	53	57	68	55	68	77	78	75	66	54	65	66	72	79	50	55	64	45	67.4
	Minimum	49	47	40	41	41	44	46	48	51	52	53	43	30	31	24	25	26	25	26	39	39	47	37	42	42	50	50	46	26	27	28	39.2
Elkins	Maximum	52	50	61	74	78	76	79	84	83	82	65	62	67	52	59	66	52	67	74	75	74	63	53	72	75	71	78	65	57	63	48	67.0
	Minimum	48	42	42	42	40	50	45	46	56	51	46	39	29	29	21	22	30	26	39	37	37	48	43	40	51	54	54	32	27	31	33	39.7
Fairmont[3]	Maximum	55	54	59	76	80	80	84	88	88	88	61	68	70	56	58	72	59	68	80	80	77	67	54	67	63	73	78	48	44	67	44	67.9
	Minimum	48	45	42	41	43	49	47	51	55	57	56	44	31	37	26	27	32	27	32	47	45	50	39	41	42	56	57	48	28	30	36	42.2
Flat Top	Maximum	57	47	50	56	62	72	75	79	80	79	65	60	66	49	52	64	61	61	69	71	71	70	70	75	71	75	73	63	42	52	56	64.3
	Minimum	50	42	40	38	43	51	56	56	64	61	41	40	35	37	25	31	46	35	43	52	53	52	54	43	53	56	59	48	24	34	42	45.3
Gary[3]	Maximum	54	54	70	74	75	77	73	86	88	87	60	68	71	65	60	58	58	69	70	75	73	72	64	73	78	89	80	75	58	61	41	69.5
	Minimum	52	49	50	45	44	45	53	52	54	54	55	46	33	35	23	25	29	31	35	38	40	43	33	33	38	53	57	54	25	28	28	41.3
Glenville	Maximum	64	56	64	81	79	77	78	88	89	84	83	60	70	69	64	63	62	70	77	76	74	73	72	68	68	72	74	74	60	60	59	71.2
	Minimum	49	46	38	41	42	54	49	48	55	51	55	43	29	40	23	23	30	23	35	36	40	48	35	35	49	58	57	44	25	26	41	40.9
Grafton	Maximum	75	57	65	79	80	81	87	88	89	90	88	70	70	71	62	72	72	69	78	80	81	76	68	71	73	74	78	81	60	67	68	74.8
	Minimum	48	45	42	39	42	54	45	48	56	52	56	42	29	40	23	26	31	24	36	75	40	45	36	42	49	56	55	45	25	27	40	42.4
Huntington	Maximum	60	68	74	85	79	87	88	92	92	90	83	75	76	66	62	74	59	69	81	84	80	76	71	76	80	87	85	73	59	65	57	75.9
	Minimum	51	45	45	47	49	64	59	59	61	61	53	48	37	42	33	31	39	34	43	44	49	52	38	44	57	58	67	48	31	32	43	47.2
Lewisburg	Maximum	65	56	69	77	76	80	82	85	87	87	75	65	71	60	58	70	67	63	76	77	79	69	61	77	75	81	78	60	50	56	50	70.4
	Minimum	50	47	45	45	40	52	49	49	53	51	54	37	31	39	22	23	39	27	33	39	40	47	37	35	49	56	30	38	22	26	34	40.0
Logan[3]	Maximum	55	65	77	83	80	86	89	90	92	90	66	73	76	60	66	69	67	77	79	82	80	75	76	85	82	87	87	58	63	64	59	75.4
	Minimum	51	49	48	49	51	51	59	59	59	61	58	50	38	40	33	30	32	37	40	42	44	49	36	36	41	58	63	58	32	32	32	45.7
Madison[3]	Maximum	63	65	75	83	80	84	87	90	88	91	70	70	75	59	65	73	64	65	80	81	80	73	73	84	82	86	85	55	61	65	50	74.3
	Minimum	51	49	45	48	46	54	56	55	56	58	55	46	34	40	27	27	32	34	38	40	44	50	32	35	38	55	62	50	27	31	42	43.8
Mannington	Maximum	56	55	57	72	75	76	79	83	84	83	80	65	64	63	53	66	59	61	75	75	74	72	61	64	63	71	78	69	51	61	56	67.8
	Minimum	49	45	37	39	40	55	42	47	55	50	55	42	29	37	22	22	31	22	34	40	38	43	32	41	45	56	55	41	24	24	40	39.7
Marlinton	Maximum	71	60	70	80	78	80	82	86	85	85	81	65	71	62	63	72	64	65	77	77	78	70	64	75	75	79	76	74	55	60	57	72.2
	Minimum	53	52	44	44	39	48	46	54	51	48	53	36	28	31	21	21	19	25	27	30	31	39	33	30	44	48	49	41	21	21	33	37.4
Martinsburg[3]	Maximum	56	56	57	75	75	84	87	77	90	91	71	70	69	59	58	67	61	66	78	79	82	72	60	55	58	83	80	60	52	46	48	68.5
	Minimum	52	43	42	47	45	55	49	51	55	57	57	47	37	39	34	29	31	29	35	36	43	45	47	49	44	48	55	58	32	29	34	43.7
Morgantown	Maximum	60	57	60	78	75	82	80	89	88	85	70	60	50	50	56	62	63	62	75	78	70	65	58	62	62	72	78	60	54	62	54	67.0
	Minimum	48	44	43	41	42	40	40	45	50	48	50	40	35	34	23	31	28	26	48	58	48	40	38	39	50	54	57	36	26	35	40	41.3
New Martinsville	Maximum	58	60	70	79	78	82	85	88	88	87	86	64	70	64	60	70	60	67	70	80	75	78	62	66	64	72	76	74	55	61	55	71.1
	Minimum	50	47	42	45	46	58	57	53	60	62	55	43	34	30	30	29	28	32	35	50	45	53	40	44	44	58	50	40	32	30	43	44.0
Parkersburg	Maximum	59	62	68	78	80	82	85	88	89	87	62	71	72	55	58	70	55	67	79	80	78	67	56	67	68	78	82	67	53	62	50	70.2
	Minimum	49	46	42	43	50	60	54	57	67	62	49	44	34	40	28	30	39	32	47	50	54	48	44	43	52	60	64	36	29	35	42	46.1
Pickens	Maximum	58	50	57	59	72	69	77	78	80	80	67	66	63	56	55	57	55	65	67	70	72	61	54	72	74	69	71	67	56	50	45	64.3
	Minimum	34	42	36	40	42	43	37	47	55	51	47	38	26	28	20	29	20	22	29	33	42	47	37	34	49	52	52	20	19	36	30	36.7
Point Pleasant	Maximum	63	66	74	84	81	86	88	91	92	89	86	71	74	72	64	73	69	72	80	83	79	75	69	75	78	84	83	71	57	65	60	75.9
	Minimum	49	46	42	44	49	61	56	60	61	59	53	47	35	39	28	30	39	30	44	45	50	54	38	42	53	58	65	45	27	32	42	45.9
Rainelle	Maximum	64	55	70	78	76	78	81	84	85	84	66	65	71	57	63	70	60	64	74	76	74	65	62	78	69	80	78	72	52	56	52	69.6
	Minimum	46	44	44	40	35	46	45	48	46	45	52	36	23	30	16	16	24	25	27	29	29	39	28	28	47	52	50	40	19	23	35	35.7
Richwood[3]	Maximum	71	52	68	76	73	77	80	85	84	84	57	63	70	52	61	68	59	68	74	76	75	65	59	75	76	80	78	48	54	60	40	68.0
	Minimum	42	45	38	38	40	49	47	46	46	51	40	28	29	21	25	25	26	27	35	36	44	30	33	38	57	54	48	24	25	29	33	37.1
Romney	Maximum	72	55	53	72	79	80	82	83	90	86	81	68	69	70	63	72	60	60	80	80	82	79	61	60	58	80	84	80	55	50	46	70.6
	Minimum	52	45	45	49	48	51	47	46	55	55	60	45	31	50	24	23	35	40	32	44	50	39	43	42	44	49	52	41	26	25	42	42.9
Spencer[3]	Maximum	56	62	70	81	80	83	86	89	91	90	61	70	72	57	60	70	72	72	79	82	79	70	61	73	73	81	81	53	57	60	51	71.7
	Minimum	50	48	39	41	44	56	51	52	59	57	55	44	31	40	24	24	28	25	44	41	44	52	36	39	41	56	60	41	26	33	44	42.7
Sutton	Maximum	77	63	69	78	79	82	84	89	90	90	86	66	70	70	60	72	72	71	79	79	79	72	67	75	78	80	82	82	58	63	63	75.0
	Minimum	46	45	41	43	44	54	50	49	55	52	56	43	30	38	23	24	30	30	37	37	40	50	37	36	53	57	58	47	25	29	37	41.8
Wardensville[3]	Maximum	54	46	52	69	79	79	84	82	88	87	69	65	68	54	56	67	57	55	79	78	79	69	60	58	64	80	82	59	53	45	46	66.5
	Minimum	52	43	43	45	45	46	45	46	53	52	56	41	29	34	24	23	28	23	28	36	38	40	44	43	41	45	51	56	24	22	28	39.5
Weston	Maximum	69	65	66	80	80	83	88	90	89	87	85	68	75	59	59	72	68	69	80	81	79	77	65	68	74	77	81	78	58	66	62	74.1
	Minimum	50	47	39	42	47	55	49	50	58	59	54	44	31	42	25	27	34	26	40	40	42	52	43	42	50	57	57	41	27	26	40	43.1
Wheeling[3]	Maximum	61	59	68	77	78	82	86	86	88	86	64	67	68	53	58	71	56	65	78	80	75	67	53	61	63	71	76	49	54	61	47	68.0
	Minimum	49	43	40	41	45	49	49	50	57	62	56	41	35	36	30	29	34	31	31	56	50	55	42	42	42	51	52	48	30	31	32	43.2
Williamson[3]	Maximum	54	71	79	84	81	87	87	92	92	90	66	73	77	60	67	74	66	78	78	83	81	74	76	85	80	86	84	56	64	65	51	75.5
	Minimum	53	48	49	50	51	53	59	59	60	59	58	50	39	41	32	30	32	37	41	43	43	50	36	37	41	57	62	53	30	32	33	45.7

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.082	.036	.061	.036	.012	.093	.111	.094	.046	.111	.180	.076	.116	.062	.088	.062	.060	.052	.022	.084	.068	.128	.166	.060	.064	.021	.046	.186	.066	.050	.054	2.393
	Wind movement	72	26	40	15	11	23	34	16	19	26	88	36	54	49	73	13	21	35	8	38	18	73	104	4	79	14	15	82	126	11	26	1,252

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 11-27-39—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., NOVEMBER 1939 No. 11

GENERAL SUMMARY

This was the third driest November of record. Droughty conditions continued unrelieved in the southern division and extended into the northern division during the month. Precipitation averaged only 35 per cent of normal for the State as a whole; the northeastern panhandle division averaged 85 per cent, the northern division 27 per cent, and the southern division 31 per cent of the normal. In the four month period, August through November, the average precipitation for the southern division was only 53 per cent of the normal. Forest fires to the number of 82 were reported on the 16th. This number increased to 109 known fires on the 19th. Showers and high humidity on the 20th and succeeding days helped bring the fires under control. Snowfall on the 5th and 6th covered the northeastern panhandle division to a depth ranging from two to eight inches, and on the 20th-22d snows ranging up to six inches in depth fell in Greenbrier, Monroe, Grant and Mineral Counties.

Temperatures averaged somewhat below normal, although no unusual extremes of cold occurred in the State. The first nine days at most stations saw temperatures considerably below normal. The 10th and the period from the 14th to the 21st were generally considerably above normal, while the period from the 22d to the end of the month was characterized by nearly normal temperatures. The monthly minima occurred generally on the 27th or 29th.

Winter grains were showing some growth, although more moisture was needed. Grasses deteriorated most of the month, except in the northeastern panhandle. Farm water supply continued very low throughout the month.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 61 stations, was 40.8°, or 2.4° below the normal. The mean for the northeastern panhandle division was 41.0°; for the northern division, 40.4°; and for the southern division, 41.3°. The highest monthly mean was 45.1° at Huntington and the lowest, 35.0° at Bayard. The highest temperature was 80° at Institute on the 10th and Grafton on the 11th and the lowest, 10° at Seneca State Forest on the 27th and 29th and at McNeill on the 27th. The greatest daily range was 60° at Brownsville on the 13th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 110 stations, was 0.96 inch, or 1.77 inches below the normal. In the northeastern panhandle division the average was 1.81 inches; in the northern division, 0.80 inch; and in the southern division, 0.84 inch. The greatest monthly precipitation was 3.18 inches at Knobly Mountain, and the least 0.38 inch at Brownsville. The greatest amount in any 24 consecutive hours was 1.59 inches at Knobly Mountain on the 28th. The average monthly snowfall was 2.2 inches, or 0.2 inch below normal. The greatest monthly snowfall was 19.0 inches at Knobly Mountain and Wardensville. The average number of days with .01 inch or more of precipitation was 6.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																															
Fogs, dense		12	13		3		7		6			5	16	7	10	12	6	10	7	3	2	4	2	6	2	4	7	11	15	3	
Frost, killing																															
Gales	2							3			1										1										
Hail																															
Halos, lunar																		2						2	4	1					
Halos, solar							1											1	1											1	
Sleet				1																4	2										
Thunderstorms																															

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.29	30.64	3	29.91	7	7.1	22	sw.	10	80	54	61	57
Columbus, Ohio	30.26	30.61	3	29.88	7	7.8	29	s.	10	85	56	69	46
Elkins	30.28	30.60	15	29.88	1	5.4	26	w.	10	86	53	70	64
Parkersburg	30.27	30.62	3	29.87	1	5.3	27	nw.	10	88	53	61	44
Pittsburgh, Pa	30.25	30.58	3	29.81	1	10.7	43	sw.	10	78	52	62	49
Wytheville, Va	30.26	30.58	15	29.93	1	6.2	20	w.	11	77	48	58	51

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COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches)					Average no. of days			
				Average								
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	......	......	......
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	......	......	......	......
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	......	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	......	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	**.64**	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	**37.3**	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	**5.99**	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	**−14**	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	**51.3**	**88**	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	**88**	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	**88**	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2 93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
Period	43.2	88	−14	2.14	2.94	2.67	2.73	2.4	9	11	6	13

Climatological Data for November 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	35.0	−4.1	68	10	15	26	43	1.62	−1.38	0.74	5.0	6	19	2	9	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	41.2	−.8	66	†16	15	27	44	1.25	−.53	.75	10.0	3	21	0	9	n.	E. L. Keister
Harpers Ferry	Jefferson	400	50								3.09	+.90	1.19	13.0	7					Miss Eleanor White
Inwood	Berkeley	569	7	43.2		72	14	26	27		1.22		.50	1.0	3	17	4	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	43.4		70	†16	23	25	39	1.71		1.42	....	6	13	11	6	n.	University Exper. Station
Martinsburg	Berkeley	435	47	43.0	−.2	70	†16	27	†24	38	2.35	+.10	.70	T.	7	23	3	4	w.	Dr. H. S. Gardner
McNeill	Hardy	800	43	37.0	−5.2	68	†12	10	27	50	1.08	−.47	.68	11.0	3	13	10	7	w.	R. E. Saville
Piedmont	Mineral	1,053	26	41.9	−.3	71	10	25	†24	43	1.53	−.36	.70	11.5	5	11	10	9	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	43.0	−.1	75	10	22	†24	50	1.48	−.30	.80	10.2	4	17	5	8		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7								.81		.32	12.0	7					Moses R. Bennett
Stony River Dam	Grant	3,300	19								1.10	−1.85	.50	8.0	5	10	6	14	w.	A. C. Becker
Wardensville	Hardy	1,200	18	39.2	−4.7	69	†10	17	27	45	2.86	+1.23	1.20	19.0	8	16	5	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15								.49	−2.85	.15	T.	6	10	8	12		L. Esle Bond
Alma (near)	Tyler	800	12								.67	−2.36	.21	T.	6	14	6	10		H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	37.8		72	10	11	27	46	.91		.40	4.0	4	15	4	11		Christian Hertig
Benson	Harrison	1,080	15	38.4	−4.7	77	10	12	†27	54	.56	−2.93	.18	T.	5	12	9	9		R. D. Marts
Bens Run	Pleasants	652	37	43.7	−.4	76	10	23	†27	43	1.18	−1.71	.40	T.	6	20	5	5		Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	42.8	−1.8	79	†10	14	27	60	.38	−3.29	.16	.1	6	17	5	8		M. D. Hawkins
Buckhannon	Upshur	1,411	42	37.9	−4.3	71	10	14	27	44	.67	−2.43	.16	T.	6	17	4	9		H. A. Darnall
Cairo	Ritchie	680	38	42.0	−1.7	79	9	16	†26	50	.80	−2.08	.33	.2	6	14	13	3		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	38.8	−4.9	76	10	16	27	54	.54	−2.65	.13	T.	9	13	6	11	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	16								.49	−3.15	.17	T.	9	12	9	9	nw.	George W. Blair
Creston	Wirt	640	37	39.6	−4.6	72	11	16	†27	48	.83	−1.92	.30	.1	8	16	5	9		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18								1.17	−1.98	.25	T.	10					Lockmaster
Dam 13 O. R	Marshall	655	23								.46	−1.92	.20	....	5					Lockmaster
Dam 15 Mon. R	Marion	882	18								.54	−2.75	.22	T.	6					Lockmaster
Dam 19 O. R	Wood	600	23								.78	−1.86	.35	T.	5					Lockmaster
Dam 20 O. R	Wood	600	23								.71	−1.89	.22	T.	6					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27								.64	−1.90	.26	T.	5					Lockmaster
Elkins	Randolph	1,927	38	39.4	−.9	75	10	15	27	49	1.06	−1.72	.61	3.0	12	10	5	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	41.4	−1.5	78	10	20	†27	48	.48	−2.28	.14	T.	6	15	6	9	sw.	J. C. Robinson
Glenville	Gilmer	738	45	38.8	−5.5	73	11	15	§27	49	.94	−2.11	.32	.1	6	4	9	17	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	42.8	−.3	80	11	16	27	50	.85	−1.58	.25	T.	8	16	7	7		L. W. Clayton
Hastings	Wetzel	809	4								.56		.23	T.	6	12	4	14	w.	L. G. McIntyre
Horner	Lewis	1,044	16								.66	−3.13	.45	....	3					Foster R. Hardman
Jane Lew	Lewis	1,020	16								.44	−2.88	.14	T.	6					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	41	41.0	−1.6	77	10	13	27	52	.45	−2.36	.26	.0	4	11	3	16	w.	Allen Smith
Mannington	Marion	974	36	39.4	−2.6	73	10	15	§27	47	.69	−2.35	.29	T.	8	13	4	13	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	41.8	−2.0	74	10	23	29	39	.89	−1.64	.33	2.0	6	15	7	8		Bruce Davis
New Cumberland	Hancock	671	41	39.1	−2.5	68	§10	21	§26	36	.59	−1.73	.17	.0	7	12	0	18	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	42.8	−2.0	74	§10	20	27	42	.62	−2.22	.35	T.	2	9	8	13	n.	Wm. Ankrom
Parkersburg	Wood	615	52	42.6	−1.2	75	10	23	27	37	.72	−1.85	.45	T.	6	16	4	10	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	42.2	+1.0	79	10	16	27	53	1.17	−1.76	.68	2.0	4	14	4	12		J. W. Swisher
Philippi	Barbour	1,300	42								1.11	−1.82	.38	T.	10					Mrs. Maxine Leach
Pickens	Randolph	2,760	36	36.6	−3.8	70	10	14	27	41	.99	−3.23	.16	4.5	10	17	3	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16								.50	−2.87	.19	.3	9	12	2	16		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51								1.16	−2.39	.40	.5	9					W. H. Bolyard
Saint Marys	Pleasants	625	31								1.10	−1.70	.34	T.	6					Edward Hughes
Terra Alta	Preston	2,559	38	36.4	−4.2	75	10	19	§28	49	1.55	−1.65	.55	5.5	5	11	7	12	w.	John Dee Williston
Thomas	Tucker	3,000	10								1.43	−1.56	.62	8.0	7					W. Sleeman
Valley Chapel	Lewis	1,011	16	41.0	−4.0	77	§10	17	27	50	.49	−2.78	.29	T.	4	14	6	10	w.	S. A. Spence
Vandalia	Lewis	1,120	16								.59	−2.79	.22	....	4					James B. Kelley
Wellsburg (near)	Brooke	668	32	38.8	−3.0	75	10	15	§27	48	.64	−1.93	.30	....	3	12	7	11		George P. Pfister
West Milford	Harrison	979	14								.62	−2.99	.20	....	7					Scotland G. Highland
Weston	Lewis	1,026	44	42.4	−1.6	79	10	18	§27	50	.76	−2.18	.14	T.	9	6	18	6		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	41.2	−1.0	72	10	23	27	43	.50	−1.93	.19	.0	7	12	4	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13								1.11	−1.97	.50	9.5	5	19	2	9	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	37.3	−6.0	72	10	12	§3	46	.99	−1.60	.31	2.5	9	14	7	9		L. A. Mauck
Bluefield	Mercer	2,558	44	41.1	−3.8	68	10	22	§26	33	.68	−1.37	.22	...	7	15	1	14		Norfolk & Western Ry.
Charleston	Kanawha	602	36	44.0	−3.9	77	9	24	27	50	.63	−2.44	.29	T.	6	2	9	19		Charleston Daily Mail
Clay	Clay	790	23								1.07	−1.83	.33	....	6					L. E. Woofter
Flat Top	Mercer	3,260	1																	U. S. Airway Station
Gary	McDowell	1,426	23	40.2	−4.8	72	10	19	§28	50	.87	−1.83	.48	....	5					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	42.4		79	10	20	§27	48	.69		.18	....	8					State Forest Nursery
Hinton	Summers	1,431	42	40.8	−3.3	79	10	20	§16	56	1.36	−1.05	.67	T.	5					Mrs. M. L. McClung
Hogsett	Mason	564	23								.91	−1.77	.30	....	7					Lockmaster
Huntington	Cabell	571	42	45.1	+.8	77	10	22	27	44	.44	−2.08	.16	.0	5	12	8	10	sw.	H. N. Robinson
Institute	Kanawha	616	1	43.4		80	10	21	27	48	.52		.14	T.	8					Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20								.70	−2.43	.50	....	2					Miss Loula M. Brown
Kayford	Kanawha	1,335	23								.60	−2.55	.31	T.	7					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	40.8	−1.1	70	10	19	§29	43	1.05	−1.43	.54	9.4	6	16	5	9		J. K. Monroe
Logan	Logan	700	36	43.4		78	10	24	§28	52	.67	−2.56	.19	.0	10	15	3	12		Paul A. Simonds
London Locks	Kanawha	623	3	42.2		77	10	24	§9	52	.74		.30		8	13	0	17	w.	Lockmaster
Madison	Boone	675	18	40.4	−3.1	71	10	19	§22	48	.46	−2.19	.19		3	4	20	6		C. B. Whitlock
Marlinton	Pocahontas	2,125	39	40.0	+2.4	70	10	14	29	52	.90	−2.04	.36	....	5	4	21	5	w.	Edward A. Moore
Point Pleasant	Mason	595	46	44.1	−1.2	74	10	22	29	45	1.14	−1.69	.49		8	10	6	14	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	37.1		69	10	13	§16	49	1.00		.58	3.4	7	16	4	10		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	44.2	−1.5	77	11	18	27	48	1.10	−1.62	.27		8	13	2	15	ne.	Lockmaster
Richwood	Nicholas	2,193	9	38.1		72	10	15	26	42	.76		.28	T.	9	13	10	7	se.	Cherry River Paper Co.
Ryan	Roane	700	36	39.8	−3.6	75	§10	14	27	51	.80	−2.07	.31	....	7	18	4	8		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	38.8		71	§11	10	§27	58	1.38		.40	10.0	5	13	10	7	nw.	Supt., State Forest
Spencer	Roane	789	35	40.7	−3.4	78	10	17	27	55	.86	−1.81	.36	T.	6	12	5	12		A. M. McKown
Sutton	Braxton	850	33	41.6	−2.4	78	§10	12	§29	55	.65	−2.55	.30		4	26	0	4		C. B. Eakle
Union	Monroe	2,250	35	41.2	−1.2	72	19	15	29	47	1.13	−1.21	.40		4	16	2	12		C. B. King
Wayne	Wayne	598	12								.53	−2.53	.20		6					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	38.7	−3.4	64	18	11	27	47	1.15	−1.13	.35		6	18	2	10		White Sulphur Spgs., inc.
Williamson	Mingo	673	39	42.8	−2.8	76	10	25	§27	50	.62	−2.20	.16		8	13	5	12	ne	J. E. Dotson
Winfield Locks	Putnam	570	1	43.1		76	10	21	§27	50	.41		.12	.5	6	14	4	12	w.	Lockmaster
State averages and extremes				40.8	−2.4	80	§10	10	§27	60	.96	−1.77	1.59	2.2	6	14	6	10	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for November 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac					.26	.74													.15	.02	T.	.01	.44									1.62
Brandywine	do					.75			T.												.20	.30											1.25
Brushy Run[2]	do	.44				.20	.46		T.											T.	.17	.24	T.	.05									1.56
Harpers Ferry[2]	do	.94				.64	1.19		.03											.08		.11		.10									3.09
Inwood	do				.30	.50		T.													.42												1.22
Kearneysville	do	T.			1.42		T.		.03											.04	.09		.08	.05							T.		1.71
Knobly Mountain[2]†	do	.40				.20	.20		T.			T.									T.	.45	.10	.24	T.				1.59				3.18
Martinsburg[2]	do	.70				.70	.70		.05											T.		.05	.05	.10									2.35
McNeill	do					.68		T.												T.	.20	T.	.20										1.08
Petersburg	do	T.				.62															.65	.17	.03			.21							1.68
Piedmont	do					.70			.01												.42	T.	.26								.14		1.53
Romney	do					.80	T.														.38	.02		.28									1.48
Spruce Knob[2]†	do	.32				.08	.04		.13											T.	.09	.11	.04	T.									.81
Stony River Dam[2]†	do					.50	.10													.30		.10		.10									1.10
Wardensville[2]	do	.55				1.20	.57													.03	.03	.24	.09	.15									2.86
Northern Division																																	
Aberdeen†	West Fork	T.			T.	.10		T.	.06			.06								.05	.15	T.	.07	T.							T.		.49
Alma (near)	Ohio				T.			.14												.09	.21		.12	.01							.10		.67
Alpena	Cheat				T.	.40		.09	.06													T.	.36										.91
Belington[2]	Tygart	.43			T.	.19	.24		.04	T.		.10								.06	.07	.18	.01	.05	T.								1.37
Benson†	West Fork				.02				.12											.12	.18		.12										.56
Bens Run	Ohio				T.			.18	.08			.08									.40		.33								.11		1.18
Brownsville†	West Fork	.02			.01		.05														.16		.12	.02									.38
Buckhannon	Tygart					16		T.	.07											.10	.16		.14	.04									.67
Buckhannon No. 2[2]	do																																
Cairo	Litl.Kanawha			.02				.20			.05									.18	.02	.33											.80
Clarksburg[2]	West Fork	.13				.03			.10			.02								.05	.04	.11	.01	.05									.54
Crawford	do				.01	.05		.02	.04			.05								.02	.11	.02	.17										.49
Creston[2]	Litl.Kanawha	.05			.01				.08			.05								.03	.15	.16	.30										.83
Dailey[2]†	Tygart	.50			T.	.29	.29		.05			.02								.03	.10	.04	.01	.07	T.								1.40
Dam 10, Mon. R.[2]†	Monongahela	.18				.19	.16		.12			.04								.01	.04	.25	.04	.14									1.17
Dam 13, O. R.[2]†	Ohio								.07			.11										.20	.07	.01									.46
Dam 15, Mon. R.[2]†	Monongahela					.04	.06		.08			.05									T.	.22	T.	.09									.54
Dam 19, O. R.[2]†	Ohio				T.	T.			.10			.04									.14	.35	.15										.78
Dam 20, O. R.[2]†	do				.02				.10			.05								T.	.11	.21	.22										.71
Elizabeth (Dam 3)[2]	Litl.Kanawha				T.				.18			.03								T.	.09	.08	.26										.64
Elk†	West Fork					.19						.09										.22		.10									.60
Elkins[1]‡	Tygart				.01	.60		.06	.03		.02	.07							.04	.01	.14	.01	.06	.01							T.		1.06
Fairmont[2]	Monongahela				.05	T.		.14			.06											.05	.05								.13		.48
Glenville[2]	Litl.Kanawha	.12			.14				.13											.11	.12		.32	T.									.94
Grafton	Tygart	.05				.25	T.				.11									.08	.25	T.	.07	.02							.02		.85
Hackers Creek†	West Fork																			.20	.49		.10										.79
Hall[2]	Tygart	.30			T.	.07	.15		.03			.08								.06	.05	T.	.07	.05	T.								.86
Harrison Co. Airport	West Fork	.23				T.	.05		.10			.03								.06	.06	.10	.02	.05									.70
Hastings	Ohio				.01				.18			.02									.23		.05	T.							.07		.56
Horner	West Fork								.18			.03													.45								.66
Ireland	do				.01	.04						.14									.06	.12	.28										.65
Jackson's Mill†	do																																
Jane Lew	do				T.	.04			.07			.07								.05	.14		.07	T.									.44
Lost Creek	do	T.				T		T.	.08			.02								T.	.26		.09	T.							T.		.45
Mannington	Monongahela		T		T.	T.		.07	.11			.07								T.	.29	.01	.02	.02							.10		.69
Midvale[2]†	Tygart	.42			T.	.12	.10		.13			.12								.08	.03	.03	.03	.10									1.16
Morgantown	Monongahela					.33		T.	.10			.03								T.	.25	T.	.10	08							T.		.89
Mt. Clare	West Fork	.01			T.	.04		.04	.03			.02								.08	.20		.09	.01							T.		.52
New Cumberland	Ohio	.01						.17			.12								.01	.01		.15	.12										.59
New Martinsville	do				T.							.27									.35												.62
Parkersburg[1]‡	do				T.			.09			.04								T.	T.	.45	.04	.06								.04		.72
Parsons	Cheat					.20													*	.68	.15	T.	T.	.14							T.		1.17
Philippi[2]	Tygart	.38				.13	.14		.08			.05								.06	.06	.11	.05	.05									1.11
Pickens	do				.04	.09		.12	.05			.10								.16	.07	.15	.12	.09									.99
Pickens No. 2	do	.52			T.	.13	.20		.11			.09								.06	.05	.18	.26	.10	.12								1.82
Roanoke	West Fork			T.	.01	.02		.02	.04			.06							.01		.11	T.	.19	.04									.50
Rockford†	do				T.	.08			T.		.11									.05	T.	T.	.22	T.									.46
Rowlesburg[2]	Cheat	.40				.02	.22		.06			.03								.07	T.	.25	.01	.10	T.								1.16
Saint Marys[2]	Ohio				.03			.17				.23							T		.22	.11	.34										1.10
Salem	West Fork				T			.13				.07								T.	.20		.10								T.		.50
Shinnston	do							.45			T.								.05		.37		.01								T.		.88
Terra Alta[2]†	Cheat					.35		.25													.35		.05	.55							T.		1.55
Thomas[2]	do	.62				.10	.40													T.	.05	.18	.03	.05									1.43
Valley Chapel	West Fork	T.			T.	T.			.08												.29		.10	.02	T.								.49
Valley Head[2]	Tygart	.47			T.	.12	.20		.13	T.										.03	.05	.10	.12	.03									1.25
Vandalia†	West Fork					09						.11									.17		.22										.59
Wellsburg (near)	Ohio											.30								.09		T.	.25										.64
West Milford	West Fork	.05				.04			.10			.05								.06	.20		.12										.62
Weston[2]	do	.14			T.	T.	T.		.10			.05								.06	.10	.07	.14	.08	.02								.76
Wheeling (Dam 12)[2]	Ohio	.03							.07			.19								.03		.02	.10	.06									.50
Southern Division																																	
Arbovale[2]	Greenbrier				T.	.30			.03												.13	.15	.50										1.11
Beckley	New				.04	.03		T.	.24			.04									.10	.11	.31	.05		.07					T.		.99
Bluefield	New	.01			.05				.08												.16	.13	.22			.03							.68
Camden-on-Gauley[2]	Gauley	.20					.06		.06			.02									T.	.18	.16	.03									.71
Charleston[2]	Gr. Kanawha				T.	T.			.10			.05								T.	.09	.09	.29	.01	T.								.63
Clay[2]	Elk				.26				.11											.02	T.	.33	.32	.03	T.								1.07
Flat Top[2]	New																																
Gary[2]	Big Sandy				.05				.01												.17	.48	.16										.87
Greenbottom[2]†	Ohio				.08	.04		T.	.04			.08								T.	.18	.14	.12	.01		T.							.69
Hinton[2]	New	.10			T.	T.			T.	.07											T.	.67	.45	.07		T.							1.36
Hogsett[2]	Ohio				.06	.03			.05			.05									.20	.22	.30										.91
Huntington	do				.06	T.		.04				.05							T.		.16	T.	.13	T.		T.					T		.44
Institute[2]	Gr. Kanawha	.01			.03	.02	T.		.08			.02								T.	.10	.14	.12	T.									.52
Kanawha Falls[2]†	do	T.																			T.	.50	.20										.70
Kayford[2]	do	.05			T.	T.			.02			02									.02	.31	.17	.01	T.								.60
Lewisburg	Greenbrier				.01	.04														.04	.27	.54	.15										1.05
Logan[2]	Guyandot	T.			.01	.04			.09	.02		.03									.09	.19	.15			.02	.03						.67
London Locks[2]†	Gr. Kanawha	.05			.02				.04			.03									.04	.30	.25	.01									.74
Madison[2]	Coal				.12																	.15	.19										.46
Marlinton	Greenbrier					.14															.14	.36	.25	.01									.90
Point Pleasant[2]	Ohio				.03	.05			.12			.05									.20	.49	.17	.03									1.14
Rainelle	Greenbrier				02	.02			.10												.04	.58	.20	.04		T.							1.00
Ravenswood[2]	Ohio				.08	.04	.27		.14			.05									.12	.20	.20										1.10

Continued on next page.

Daily Precipitation for November 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley				.06	.06		.07			.04									.03	.28	.17	.03	.02									0.76
Ryan	Gr. Kanawha				.05			.09				.04								.01	.23	.07	.31										.80
Seneca State Forest†	Greenbrier					.31														.10	.31	.40	.26										1.38
Spencer [2]	Litl. Kanawha				T.				.06			.05								.02	.14	.23	.36	T.							T.		.86
Sutton	Elk					.10			.15												.10		.30										.65
Thornwood [2]	Greenbrier		.02		.50														.08	.09	.20			.30									1.19
Union	New								.13												.40	.40	.20										1.13
Wayne [2]	Twelvepole				.06	.04			.07			.06										.20	.10										.53
White Sulp'r Spgs. [2]	Greenbrier				.10	.05														.20	.35	.35	.10										1.15
Williamson [2]	Big Sandy				.02	.15			.08	.08		.02									T.	.16	.06			.05							.62
Winfield Locks [2]†	Gr. Kanawha	T.			.04	.07			.06			.04										.12	.08										.41

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for November 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	49	31	40	44	32	38	44	40	36	68	38	50	35	42	59	59	60	59	61	37	29	32	32	25	25	42	29	43	45	39	....	42.1
	Minimum	32	27	21	21	29	30	30	30	32	25	30	22	25	28	35	42	42	43	43	30	26	26	29	24	18	15	16	22	20	20	....	27.8
Beckley	Maximum	54	49	47	44	38	47	52	50	56	72	65	56	49	57	62	63	64	66	64	52	37	36	36	38	40	43	40	49	59	48	....	51.1
	Minimum	24	17	12	27	25	19	25	33	15	32	28	19	20	20	20	21	30	30	37	29	27	27	27	28	25	16	12	18	13	29	....	23.5
Bluefield	Maximum	51	51	47	42	37	46	52	49	55	68	67	55	47	55	61	62	61	66	67	54	39	37	36	37	38	40	40	48	57	53	....	50.6
	Minimum	30	30	25	32	32	25	31	40	25	41	36	30	30	31	32	32	40	39	42	32	32	32	32	32	31	22	22	26	24	39	....	31.6
Brandywine	Maximum	60	50	47	48	38	45	55	52	60	64	61	60	54	60	65	66	65	66	63	64	60	50	51	45	40	33	45	55	60	56	....	54.6
	Minimum	34	24	18	30	27	24	27	40	22	29	26	27	22	26	24	29	32	34	42	41	29	32	35	26	25	23	15	19	16	34	....	27.7
Buckhannon	Maximum	55	48	42	45	42	42	49	49	46	71	45	50	47	48	57	58	58	60	58	58	48	38	37	43	41	42	38	42	48	45	....	48.3
	Minimum	32	20	24	30	32	28	24	41	22	27	34	22	21	23	23	22	28	31	44	40	38	31	23	38	26	18	14	19	18	31	....	27.5
Cairo	Maximum	55	47	52	48	54	53	56	65	79	78	53	59	60	67	67	67	70	64	65	49	48	42	47	47	50	53	52	53	53	60	....	57.1
	Minimum	25	21	30	29	25	22	39	20	30	28	22	20	20	19	19	25	30	42	42	39	36	38	35	26	20	16	18	16	30	28	....	27.0
Charleston [3]	Maximum	52	50	49	45	54	48	57	58	77	53	58	53	59	65	66	68	64	65	56	47	45	43	48	48	48	45	51	52	52	62	....	54.9
	Minimum	37	31	30	30	36	33	33	38	27	27	36	38	29	29	29	30	32	37	41	40	43	39	38	39	39	35	24	25	26	26	....	33.2
Clarksburg [3]	Maximum	53	46	46	50	46	48	54	53	51	76	48	55	49	55	61	62	65	62	59	43	50	42	41	45	43	46	46	49	54	48	....	51.5
	Minimum	31	27	26	30	30	29	22	24	22	22	26	22	21	22	21	21	22	30	33	41	37	36	35	36	23	25	16	21	17	17	....	26.2
Elkins	Maximum	51	40	46	46	35	42	53	49	51	75	47	52	45	52	62	62	62	63	62	52	44	40	37	44	42	47	43	47	56	46	....	49.8
	Minimum	33	27	26	31	32	31	27	34	26	26	30	24	28	30	23	28	38	36	46	38	35	36	34	29	23	20	15	21	18	29	....	29.1
Fairmont [3]	Maximum	54	47	47	52	45	46	53	53	52	78	51	57	50	59	64	64	67	61	57	41	48	41	40	50	44	49	51	52	57	46	....	52.5
	Minimum	35	30	30	30	33	31	27	30	26	30	35	25	25	27	29	30	32	37	37	39	37	38	37	35	27	27	20	25	20	21	....	30.2
Flat Top	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	......
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	......
Gary [3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	......
	Minimum	29	25	22	25	34	24	24	30	21	22	28	30	25	21	22	21	22	28	33	39	39	37	37	37	36	30	21	19	19	21	....	27.4
Glenville	Maximum	55	54	45	44	45	49	48	49	48	69	73	64	59	49	57	56	58	61	63	61	48	47	41	47	45	46	44	39	40	49	....	51.8
	Minimum	35	23	23	29	33	23	22	22	18	25	24	28	20	20	19	18	25	28	29	44	40	32	36	32	34	20	15	17	15	27	....	25.9
Grafton	Maximum	56	58	50	53	52	48	54	55	54	78	80	58	59	54	62	65	66	68	63	61	48	49	42	52	52	51	52	50	58	59	....	56.9
	Minimum	35	28	25	31	32	32	23	43	22	28	36	22	23	26	23	22	26	31	46	37	36	36	36	34	24	24	16	18	18	31	....	28.8
Huntington	Maximum	63	55	52	43	51	58	53	60	61	77	69	61	57	65	58	69	70	63	66	61	50	44	42	44	51	47	52	56	49	51	....	56.9
	Minimum	38	29	27	34	36	30	31	43	25	33	35	28	28	27	27	26	38	38	48	42	44	38	38	41	39	28	22	24	23	38	....	33.3
Lewisburg	Maximum	55	49	47	42	41	49	52	52	56	70	60	55	50	58	63	65	65	66	61	53	36	38	38	39	43	47	48	53	52	50	....	51.8
	Minimum	31	26	20	33	33	27	23	39	25	27	33	28	28	33	25	26	38	36	43	34	31	31	33	26	31	28	22	26	19	35	....	29.9
Logan [3]	Maximum	62	55	51	50	44	55	63	56	61	78	55	61	57	63	67	59	67	59	57	54	50	49	48	48	46	45	48	53	50	53	....	55.5
	Minimum	31	30	29	30	35	29	29	35	26	26	32	32	32	26	26	26	27	31	37	41	44	41	39	40	39	30	25	24	24	25	....	31.4
Madison [3]	Maximum	44	53	49	46	43	53	56	57	60	71	60	50	52	55	65	60	66	68	64	56	46	42	43	46	48	45	40	40	50	52	..	52.7
	Minimum	31	25	24	30	35	26	27	30	21	23	34	26	24	22	22	21	28	31	37	47	40	19	38	38	36	26	21	20	19	20	....	28.0
Mannington	Maximum	53	51	44	48	45	47	52	52	48	73	70	53	48	54	59	61	63	60	58	52	50	47	43	46	42	45	45	48	51	46	....	51.8
	Minimum	33	27	23	28	27	27	21	42	21	26	33	21	20	23	19	19	25	27	43	38	37	39	37	36	21	21	15	17	15	26	....	26.9
Marlinton	Maximum	56	49	51	47	44	48	51	53	57	70	67	59	53	59	65	67	68	69	64	60	41	38	41	44	43	49	49	54	59	55	....	54.3
	Minimum	33	20	17	29	32	26	21	39	22	20	27	24	23	21	16	15	30	28	47	37	30	31	33	21	24	22	16	25	14	29	....	25.7
Martinsburg [3]	Maximum	58	50	50	41	41	51	57	58	54	67	55	58	50	56	63	70	70	70	62	40	38	37	46	45	37	48	50	56	60	47	....	52.8
	Minimum	40	32	31	29	32	33	31	32	36	29	30	30	33	35	28	34	47	48	49	35	32	32	32	27	27	30	32	32	30	30	....	33.3
Morgantown	Maximum	52	51	45	54	41	42	45	50	50	74	70	54	45	55	62	62	65	60	52	50	50	40	40	45	40	43	48	48	54	50	....	51.2
	Minimum	33	35	32	30	28	30	30	40	27	35	35	26	27	34	36	40	41	35	46	35	33	35	35	34	28	24	26	24	23	34	....	32.4
New Cumberland	Maximum	46	47	41	42	48	45	44	43	45	68	68	45	45	54	60	60	59	58	55	45	41	41	43	44	40	36	37	40	40	46	....	47.5
	Minimum	36	30	29	26	33	31	28	40	25	37	32	24	27	33	28	30	33	35	43	33	33	37	38	34	25	21	21	26	24	28	....	30.7
New Martinsville	Maximum	55	50	47	47	48	45	50	52	53	74	65	56	50	55	59	64	65	60	66	74	48	50	45	49	48	48	55	52	53	53	....	54.5
	Minimum	38	34	28	32	32	28	39	38	31	32	33	25	27	27	29	29	30	32	34	38	36	36	38	40	25	27	20	23	21	32	....	31.1
Parkersburg	Maximum	56	47	45	43	45	51	52	53	52	75	49	56	52	59	65	66	68	62	62	45	45	42	42	46	46	46	48	52	49	50	....	52.3
	Minimum	37	29	27	32	34	32	28	35	25	40	32	28	28	32	28	29	40	39	45	40	39	39	38	36	31	28	23	28	24	37	....	32.8
Pickens	Maximum	48	47	45	43	37	38	48	45	39	70	58	52	43	50	58	57	59	60	59	48	43	37	38	40	37	38	38	45	48	45	....	47.1
	Minimum	37	19	19	23	28	28	28	35	17	29	27	21	23	22	28	26	31	33	43	35	35	30	29	21	21	19	14	18	15	27	....	26.0
Point Pleasant	Maximum	60	57	47	44	49	56	53	59	58	74	71	60	57	65	69	70	71	67	64	60	44	43	42	44	50	47	51	57	51	51	....	56.4
	Minimum	37	30	25	32	35	28	29	40	24	35	34	25	25	26	26	25	35	37	47	40	41	38	37	39	34	26	23	23	22	35	....	31.8
Rainelle	Maximum	53	47	45	39	37	46	50	49	57	69	54	56	45	55	59	60	62	61	63	56	39	35	35	39	49	49	44	48	56	46	....	50.1
	Minimum	27	21	15	32	30	23	20	24	19	20	34	21	24	18	15	13	24	27	33	36	31	31	31	29	27	20	18	19	13	28	....	24.1
Ravenswood	Maximum	58	59	49	49	49	54	53	55	70	75	77	58	58	61	66	67	70	71	67	62	49	46	43	46	48	49	49	54	50	53	....	57.2
	Minimum	37	27	25	31	33	35	26	45	22	48	30	24	24	24	23	23	32	36	45	41	41	37	38	38	31	24	18	21	19	34	....	31.1
Richwood [3]	Maximum	53	45	48	44	36	45	52	50	56	72	48	55	46	53	62	61	61	65	65	51	38	40	38	43	42	46	43	48	60	48	....	50.5
	Minimum	22	20	20	32	28	26	27	20	20	30	24	22	21	21	22	22	27	35	44	35	33	34	28	26	21	15	18	18	30	30	....	25.7
Romney	Maximum	56	52	49	45	38	45	50	54	55	75	63	58	51	58	68	66	68	66	62	55	33	34	43	45	38	49	50	55	62	45	....	52.9
	Minimum	40	28	25	25	32	37	28	40	37	25	41	27	35	43	27	46	54	37	49	30	30	32	34	22	23	23	22	40	23	39	....	33.1
Spencer [3]	Maximum	49	51	46	47	46	54	55	56	55	78	52	58	53	60	65	61	69	66	63	49	44	40	42	41	44	46	47	32	52	50	....	52.4
	Minimum	37	25	23	32	32	26	26	44	20	23	33	24	22	24	22	22	32	34	38	42	40	36	37	37	28	22	17	21	18	33	....	29.0
Sutton	Maximum	57	57	47	47	47	50	53	53	54	78	78	55	55	58	63	64	65	65	63	60	53	48	45	47	47	46	46	50	55	55	....	55.4
	Minimum	33	25	24	32	33	26	24	40	20	23	37	24	21	21	20	20	28	32	40	42	39	35	37	34	26	20	15	18	12	30	....	27.7
Wardensville [3]	Maximum	56	50	49	44	41	46	51	54	54	69	54	59	51	58	68	69	69	69	63	33	32	35	43	44	35	47	51	56	62	47	....	52.0
	Minimum	38	26	24	24	29	32	20	24	31	24	26	25	26	28	23	25	48	32	33	32	29	29	31	19	21	22	17	18	19	20	....	26.5
Weston	Maximum	57	46	49	53	49	51	51	56	55	79	75	59	55	59	64	64	69	67	63	64	53	50	41	48	45	45	48	49	54	[illegible]	....	55.5
	Minimum	37	26	25	32	31	28	25	44	22	29	35	24	22	26	23	24	29	24	44	43	40	37	36	35	28	23	18	20	18	33	....	29.4
Wheeling [3]	Maximum	54	47	45	47	47	48	51	50	51	72	48	54	50	57	62	64	66	58	51	43	49	42	43	47	38	47	50	54	55	47	....	51.4
	Minimum	32	33	30	29	32	33	30	33	28	29	34	28	28	29	30	30	31	35	38	37	36	37	39	38	27	24	23	24	26	26	....	31.0
Williamson [3]	Maximum	61	55	50	56	46	55	55	60	62	76	54	58	57	63	62	55	66	60	55	54	47	44	43	45	45	44	48	54	52	53	....	54.5
	Minimum	32	30	28	31	34	27	28	35	26	26	32	31	29	26	27	26	27	31	36	41	44	41	39	39	39	29	25	25	26	27	....	31.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

(WBO, Cleveland, Ohio, 12-29-39—900)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVII PARKERSBURG, W. VA., DECEMBER 1939 No. 12

GENERAL SUMMARY

December averaged two degrees above normal in temperature. Only three stations, Beckley, Charleston and Gary were below normal. There were cold spells on the 14-15th and 23d-31st and warm periods on the 6-10th and 16-20th. Only one station reported a minimum temperature of zero or lower, and the State minimum of −4° was the highest since 1931. Thirteen stations reported a maximum of 70° or more.

The precipitation was well distributed, although an average deficiency of 0.83 inch occurred. About 30 per cent of the precipitation fell as snow. All main highways were passable throughout the month, although icy pavements hampered traffic somewhat on the 3d-4th and again on the 20th-21st. Thunderstorms were reported on the 2d, 3d, 10th and 11th from stations in scattered sections of the State. Sleet was recorded on the 2d, 3d, 4th, 5th, 27th, and 29th at widely separated stations.

Farm water supply increased somewhat, but it was still low at the close of the month in central and southern counties. Grain was generally protected by snow cover during the cold spells.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 36.6°, or 2.0° above the normal. The mean for the northeastern panhandle division was 36.1°; for the northern division, 36.2°; and for the southern division, 37.2°. The highest monthly mean was 41.1° at Huntington and the lowest, 31.0° at Bayard. The highest temperature was 75° at Logan on the 7th and the lowest, −4° at Seneca State Forest on the 31st. The greatest daily range was 53° at McNeill on the 7th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 2.46 inches, or 0.83 inch below the normal. In the northeastern panhandle division the average was 1.68 inches; in the northern division, 2.75 inches; and in the southern division, 2.35 inches. The greatest monthly precipitation was 4.74 inches at Pickens No. 2, and the least, 0.66 inch at Petersburg. The greatest amount in any 24 consecutive hours was 1.29 inches at Pickens on the 20th. The average monthly snowfall was 7.0 inches, or 0.7 inch above the normal. The greatest monthly snowfall was 24.0 inches at Kumbrabow State Forest. The average number of days with .01 inch or more of precipitation was 11.

ERRATA

November 1939: Page 41, under "Precipitation": greatest monthly precipitation should read 3.09 inches at Harpers Ferry; greatest amount in 24 hours, 1.42 inches at Kearneysville on the 4th; greatest monthly snowfall, delete Knobly Mountain. Page 42: Entry at foot of column of greatest 24 hours precipitation should read 1.42. Page 43: Knobly Mountain: delete entry on 28th; total should read 1.59.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	3	3	1	3	..	5	8	1	1	..	..	1	1	1	1	..	..	4	..	..	..	..	1	..	1	2	1	2	3	..	..
Gales	..	1	1	..	..	..	3	7	2	3	3	..	1	1	..	3	1	..	1	..	4	3	1	..	1	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	3	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	2	1	4	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	2	..	..
Thunderstorms	..	3	1	..	..	..	..	..	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.00	30.41	22	29.60	2	9.5	24	w.	7	78	64	66	40
Columbus, Ohio	29.97	30.42	14	29.52	10	11.3	30	sw.	16	83	70	76	31
Elkins	29.99	30.53	15	29.47	2	8.1	30	w.	7	82	63	73	30
Parkersburg	29.99	30.47	15	29.54	10	7.5	30	w.	7	80	66	72	33
Pittsburgh, Pa	29.93	30.47	15	29.53	31	13.1	41	nw.	7	84	68	76	28
Wytheville, Va	30.00	30.47	15	29.57	2	8.8	34	w.	7	82	56	69	44

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	......	......	......	......
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	......	......	......
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	0.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
Period	34.6	83	−37	2.50	3.53	3.26	3.29	6.3	11	9	7	15

Climatological Data for December 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	31.0	+2.9	64	19	8	§15	45	2.93	−0.91	0.80	12.5	12	11	4	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	23	36.0	+1.8	65	19	8	31	39	1.30	−.80	.75	4.0	3	20	0	11	s.	E. L. Keister
Harpers Ferry	Jefferson	400	50	....	....	....	....	....	....	....	2.07	−.54	.65	6.1	10	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	7	40.8	....	60	§1	26	§28	24	2.00	....	.45	4.5	5	16	0	15	w.	H. W. Prettyman
Kearneysville	Jefferson	548	9	37.3	....	69	10	14	28	34	1.81	....	.98	....	8	13	6	12	n.	University Exper. Station
Martinsburg	Berkeley	435	47	36.0	+2.0	69	10	17	31	38	1.98	−.78	.95	5.0	10	6	24	1	se.	Dr. H. S. Gardner
McNeill	Hardy	800	43	33.9	+1.3	70	7	4	31	53	1.34	−.72	.67	5.0	6	3	12	16	w.	R. E. Saville
Piedmont	Mineral	1,053	26	35.5	+2.5	64	7	14	31	35	1.28	−1.13	.56	7.5	8	8	8	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	38.0	+3.5	68	§7	14	31	44	1.35	−.90	.55	4.8	4	11	6	14	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	7	....	....	....	....	....	....	....	1.76	....	.68	16.0	12	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	19	....	....	....	....	....	....	....	2.52	−.72	.60	18.0	8	4	7	20	w.	A. C. Becker
Wardensville	Hardy	1,200	18	37.6	+3.9	69	7	6	31	49	1.45	−.29	.93	3.7	7	9	10	12	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	15	....	....	....	....	....	....	....	3.29	+.29	.93	6.6	13	7	7	17	....	L. Esle Bond
Alma (near)	Tyler	800	12	....	....	....	....	....	....	....	2.33	−.65	.50	6.5	12	5	9	17	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	8	32.2	....	63	19	5	15	44	3.40	....	.67	21.0	13	11	3	17	....	Christian Hertig
Benson	Harrison	1,080	15	35.0	−1.2	68	19	10	§23	43	3.16	−.33	.58	10.5	14	8	9	14	....	R. D. Marts
Bens Run	Pleasants	652	37	38.0	+3.2	67	19	14	31	36	2.23	−1.33	.69	7.9	9	16	4	11	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	16	39.2	+2.6	70	19	11	25	46	3.06	−.26	.81	2.5	13	10	2	19	....	M. D. Hawkins
Buckhannon	Upshur	1,411	42	34.6	+.4	60	§19	14	§15	37	3.39	−.79	.82	4.5	14	12	4	15	....	H. A. Darnall
Cairo	Ritchie	680	38	37.3	+2.6	68	§17	12	25	45	2.76	−.69	.74	5.7	14	3	16	12	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	17	34.2	−1.0	69	19	13	16	43	2.16	−.92	.51	4.0	11	6	3	22	w.	Clarksburg Water Board
Crawford	Lewis	1,107	16	....	....	....	....	....	....	....	3.09	−.50	.95	4.4	13	8	8	15	nw.	George W. Blair
Creston	Wirt	640	37	36.7	+1.4	64	§7	15	31	40	2.74	−.73	.62	5.2	12	8	7	16	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	18	....	....	....	....	....	....	....	2.18	−1.24	.46	4.8	15	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	23	....	....	....	....	....	....	....	2.11	−.87	.57	6.0	12	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	18	....	....	....	....	....	....	....	2.30	−.83	.53	4.2	14	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	23	....	....	....	....	....	....	....	2.10	−1.03	.50	6.4	12	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	23	....	....	....	....	....	....	....	2 19	−.95	.60	4.6	12	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	27	....	....	....	....	....	....	....	2.05	−1.08	.54	6.0	8	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	38	34.8	+2.1	66	19	11	31	39	2.54	−.92	.89	6.9	17	5	5	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	33	35.1	+2.1	69	19	15	23	37	2.17	−1.32	.60	6.9	15	8	6	17	w.	J. C. Robinson
Glenville	Gilmer	738	45	35.8	−.1	65	2	12	25	43	3.51	−.42	.98	2.5	14	6	11	14	w.	Howard R. Brannon
Grafton	Taylor	1,050	46	38.0	+3.8	69	19	12	§23	40	2.53	−.55	.61	4.1	16	13	2	16	....	L. W. Clayton
Hastings	Wetzel	809	4	....	....	....	....	....	....	....	2.75	....	.76	7.5	17	8	8	15	w.	L. G. McIntyre
Horner	Lewis	1,044	16	....	....	....	....	....	....	....	1.85	−1.68	.68	....	7	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	16	....	....	....	....	....	....	....	2.44	−.64	.70	2.6	14	....	....	....	....	Mrs. C. I. Jenkins
Lost Creek	Harrison	1,026	41	37.3	+2.9	71	19	13	§23	42	2.88	−.65	.77	5.1	12	7	5	19	w.	Allen Smith
Mannington	Marion	974	36	36.0	+2.4	65	19	12	§23	40	2.82	−.75	.60	11.2	17	8	5	18	w.	James A. Morgan
Morgantown	Monongalia	1,300	46	34.8	−.4	62	12	14	23	44	3.22	+.12	.60	5.0	9	10	6	15	....	Bruce Davis
New Cumberland	Hancock	671	41	35.6	+3.9	58	7	11	31	30	1.97	−.79	.32	6.3	13	7	1	23	nw.	C. O. Valentine
New Martinsville	Wetzel	634	45	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Wm. Ankrom
Parkersburg	Wood	615	52	38.2	+3.0	67	7	11	31	34	2.04	−.99	.60	7.3	12	9	5	17	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	39	38.0	+5.7	69	19	14	23	43	2.84	−1.21	.99	6.0	7	8	7	16	....	J. W. Swisher
Philippi	Barbour	1,300	42	....	....	....	....	....	....	....	2.84	−.93	.72	8.2	14	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	36	32.6	+.4	66	12	5	15	52	4.35	−1.03	1.29	18.0	12	10	6	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	16	....	....	....	....	....	....	....	3.04	−.33	.95	6.3	14	9	5	17	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	51	....	....	....	....	....	....	....	2.68	−1.70	.53	8.4	12	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	31	....	....	....	....	....	....	....	2.53	−.81	.62	6.0	13	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	38	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	John Dee Williston
Thomas	Tucker	3,000	10	....	....	....	....	....	....	....	3.12	−.73	.63	18.0	13	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	16	38.0	+.5	69	20	12	§25	40	2.48	−.74	.64	3.3	14	10	3	18	w.	S. A. Spence
Vandalia	Lewis	1,120	16	....	....	....	....	....	....	....	3.11	+.71	.95	5.0	9	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	32	35.6	+3.2	66	19	12	§23	38	1.84	−1.07	.59	5.5	7	7	5	19	....	George P. Pfister
West Milford	Harrison	979	14	....	....	....	....	....	....	....	3.17	+.09	.70	9.0	12	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	44	38.9	+3.1	72	18	15	25	43	3.24	−.39	.70	7.2	14	3	18	10	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	52	35.8	+3.2	67	19	16	31	33	1.77	−1.21	.58	8.4	14	3	10	18	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	13	....	....	....	....	....	....	....	2.02	−1.14	.68	7.5	11	10	6	15	n.	H. S. Sutton
Beckley	Raleigh	2,440	36	33.8	−.7	65	18	6	15	49	3.01	−.30	.80	9.1	15	8	11	12	....	L. A. Manck
Bluefield	Mercer	2,558	44	38.1	+1.2	64	18	11	25	38	2.36	−.52	.50	9.7	13	10	7	14	....	Norfolk & Western Ry.
Charleston	Kanawha	602	36	39.0	−.6	70	18	16	25	40	2.74	−.90	.70	3.5	16	0	16	15	....	Charleston Daily Mail
Clay	Clay	790	23	....	....	....	....	....	....	....	2.72	−.78	.72	2.8	10	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	1	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	23	36.6	−1.2	70	§18	7	25	49	2.58	−.79	1.00	3.2	14	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	2	37.7	....	69	9	15	25	50	1.84	....	53	3.4	12	12	3	16	....	State Forest Nursery
Hinton	Summers	1,431	42	37.9	+2.1	70	18	15	15	50	1.86	−1.32	.50	4.2	12	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	23	....	....	....	....	....	....	....	1.96	−1.30	.53	....	11	....	....	....	....	Lockmaster
Huntington	Cabell	571	42	41.1	+5.5	69	19	20	31	41	1.68	−1.69	.52	2.7	10	3	13	15	sw.	H. N. Robinson
Institute	Kanawha	616	1	38.6	....	72	12	14	25	50	1.89	....	.51	2.6	12	....	....	....	....	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	20	....	....	....	....	....	....	....	1.55	−1.81	.60	....	5	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	23	....	....	....	....	....	....	....	2.40	−1.51	.72	7.0	14	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	36.0	+2.8	65	18	13	15	43	1.77	−1.34	.74	7.1	13	8	10	13	....	J. K. Monroe
Logan	Logan	700	36	39.2	....	75	7	10	§25	51	1.94	−2.16	.60	4.0	13	9	10	12	....	Paul A. Simonds
London Locks	Kanawha	623	3	38.8	....	69	§7	13	25	41	2.70	....	.67	3.5	15	9	1	21	w.	Lockmaster
Madison	Boone	675	18	36.6	+1.6	69	19	8	25	48	1.83	−1.07	.53	....	8	0	27	4	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	39	35.6	+6.2	64	§7	7	25	49	2.55	−1.35	.71	6.8	13	3	15	13	s.	Edward A. Moore
Point Pleasant	Mason	595	46	40.0	+4.2	68	19	17	31	39	2.30	−1.20	.60	3.5	12	9	7	15	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	9	33.2	....	66	19	2	25	47	3.19	....	1.00	17.6	17	11	4	16	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	16	39.9	+2.0	67	§8	14	25	42	1.89	−1.43	.60	2.7	10	14	2	15	nw.	Lockmaster
Richwood	Nicholas	2,193	9	33.2	....	65	18	7	24	42	3.95	....	1.02	21.0	18	9	11	11	nw.	Cherry River Paper Co.
Ryan	Roane	700	36	35.1	+.6	70	19	13	31	45	2.29	−.96	.55	7.7	14	8	5	18	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	..	34.6	....	69	§7	−4	31	59	3.01	....	.81	7.7	8	7	10	14	nw.	Supt., State Forest
Spencer	Roane	789	35	37.8	+1.3	67	19	15	25	37	2.08	−1.33	.50	5.0	13	6	5	20	....	A. M. McKown
Sutton	Braxton	850	33	38.2	+3.0	69	§19	11	25	45	3.50	−.32	.80	6.0	12	17	2	12	....	C. B. Eakle
Union	Monroe	2,250	35	36.9	+2.9	71	19	3	25	50	1 92	−1.00	.70	....	10	9	9	13	....	C. B. King
Wayne	Wayne	598	12	....	....	....	....	....	....	....	1.99	−1.04	.71	4.7	10	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	29	34.7	+1.6	60	§7	7	25	46	....	....	.90	....	..	12	4	15	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	39	38.8	+1.2	70	7	11	25	41	2.06	−1.72	.68	7.7	14	7	11	13	se.	J. E. Dotson
Winfield Locks	Putnam	570	1	39.0	....	69	19	18	25	40	2.21	....	.92	4.0	12	6	1	24	nw.	Lockmaster
State averages and	extremes			**36.6**	**+2.0**	**75**	**7**	**−4**	**31**	**53**	**2.46**	**−.83**	**1.29**	**7.0**	**11**	**9**	**7**	**15**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for December 1939

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac			.05	.10		.80					.22			.21						.36	.20	.14					.30	.40		.10	.05	2.93
Brandywine	do	T.	.15			T.							T.								.75							.40				T.	1.30
Brushy Run[2]	do		T.	.15			.03		.07			.13			.07	T.					.28	.11						.42			T.		1.26
Harpers Ferry[2]	do		.12	.28			.08		T.			.08			.17						.65	.30	T					.17	.10		.12	T.	2.07
Inwood	do	.25	.30						.25										T.		.75							.45					2.00
Kearneysville	do	.04	.21	.02			.07							.22							.98							.21			.06		1.81
Knobly Mountain[2]†	do		.11	.05	T.		.09					.20			.05						.32	.05	T.	T.				.50	.10	.01	T.	T.	1.48
Martinsburg[2]	do	T.	.10	.18			.05		T.			.10			.18	T.					.55	.40						.15	.20		.07		1.98
McNeill	do	T.	T.	.22	T.	T.						T.		.13	.07	T.					.67		T.					.20	T.	T.	.05		1.34
Petersburg	do		.30	T.											.13							T.						.23					.66
Piedmont	do	.02	.16						.02			.06			.03						.34	.09						.56					1.28
Romney	do			.34								.12									.55	T.						.34					1.35
Spruce Knob[2]†	do	T.	.17	.16			.04					.18			.13	.06					.68	.03	T.					.12	.06		.04	.09	1.76
Stony River Dam[2]†	do		.12	.20			.10								.40						.60		.40					.60			.10		2.52
Wardensville	do	T.	T.	.11			T.		.02			.09		.05							.93	T.						.21	T.		.04		1.45
Northern Division																																	
Aberdeen†	West Fork	T.	.45	.35	.15	.01	.06				T.	.24		.28	.16					T.	.93	.24						.31	.02	T.	T.	.09	3.29
Alma (near)	Ohio		.36	.16	.04		.03				.10			.27	.08					.12	.21	.50						.45				.01	2.33
Alpena	Cheat		.26	.40	.10	T.	.11				T.	.26			.40						.67	.40	.10					.20	.20		.10	.20	3.40
Belington[2]	Tygart		.04	.65	.09	.08	.11					.25		T.	.48	T.					.68	.15	.08	T.				.35	.03	T.	.02	.07	3.08
Benson†	West Fork		.50	.35	.15	.02	.10				.20	.02		.45	.03						.58	.11	T.					.45			.12	.08	3.16
Bens Run	Ohio	.02	.28	.23							.09			.27						.14	.41	.10						.69					2.23
Brownsville†	West Fork		.35	.45	.19	.02	.06					.23		.25	.20						.81	.08						.31	.06			.05	3.06
Buckhannon	Tygart	T.	.50	.30	.12	.05					.43			.27	.20						.82	.07						.43	.05	.05	.05	.05	3.39
Cairo	Litl.Kanawha	.16	.54	.09	.01	.01					.06	.02		.29	.17	.01					.74	.02						.59			.05		2.76
Clarksburg[2]	West Fork		.15	.46	.06	T.	.08					.12		.02	.36	T.					.51	.01	.05					.34				T.	2.16
Crawford	do		.39	.32	.11	.02	.12				.22			.33	.14						.95	T.						.35	.06		.02	.06	3.09
Creston[2]	Litl.Kanawha		.15	.59	.11	.02	T.					.15		T.	.35	T.					.62	.05	T.					.61	.02	.02	T.	.05	2.74
Dailey[2]†	Tygart	T.	T.	.33	T.	T.	.12					.25		T.	.18	T.					.66	.08	T.	T.				.16	T.	T.	T.	.04	1.82
Dam 10, Mon. R.[2]†	Monongahela	.04	.13	.24	.04	.03	.11		.02			.18			.32	T.					.46	.17	.01					.33	.07		T.	.03	2.18
Dam 13, O. R.[2]†	Ohio		.05	.32	.04		.11					.06		.12	.20						.57	.06	.02					.45	.11		T.		2.11
Dam 15, Mon. R.[2]†	Monongahela	.16	.13	.33	.04	T.	.06					.12		T.	.32	.03					.53	.14	.05					.30	.02		T.	.07	2.30
Dam 19, O. R.[2]†	Ohio	.03	.07	.46	.10	T.	.02					.09		.14	.18						.50	.03	T.					.44	.04		T.	T.	2.10
Dam 20, O. R.[2]†	do	T.	.09	.60	.03		.01					.12		.13	.22						.48	.02	.03					.45			T.	.01	2.19
Elizabeth (Dam 3)[2]	Litl.Kanawha	.16	.32	T.	T.	T.					.08			.15	.20						.54							.50	T.		T	.10	2.05
Elk†	West Fork		.40	.35	.08	.20					.28										1.25	.12					T.	.23			T.		2.91
Elkins[1]‡	Tygart	.01	.25	.25	.09	.07	.03	T.			.15	.02		.33	T.					.09	.80	.07	.02					.27	T.	.01	.01	.06	2.54
Fairmont[2]	Monongahela	.19	.28	.05	.02	.08					.07			.07	.24	T.					.60	.08	.10					.30	.02		.02	.05	2.17
Glenville[2]	Litl.Kanawha	T.	.10	.57	.09	.04	.12					.31		.04	.48						.98	.11	.10					.21	.22		T.	.14	3.51
Grafton	Tygart	.02	.19	.30	.06	.03	.08					.16		.25	.16						.61	.19	.01					.37	.03		.03	.04	2.53
Hackers Creek†	West Fork		.31	.33	.11	.01						.30		.41	T.						.67	.01						.30	.08				2.53
Hall[2]	Tygart		.07	.59	.06	.07	.10					.20			.48	T.					.83	.14	.03					.31	.02		.05	.03	2.98
Harrison Co. Airport	West Fork		.06	.52	.17	.06	.10					.15		T.	.40	T.					.60	.23	.26					.10	T.	T.	T	.04	2.69
Hastings	Ohio	.01	.23	.25	.11	.01	.03				.10	.04		.22	.13						.76	.25	.01					.48	.01		.01	.10	2.75
Horner	West Fork		.31	.50										.68							.25	.05						.03	.03				1.85
Ireland	do		.48	.18	.12	.14	.14				.38			.11	.05	.22				.97	.01	.12							.13	.01	.02	.06	3.14
Jackson's Mill†	do																																
Jane Lew	do		.38	.20	.10	.01	.08				.04	.10		.24	.14						.70	.01						.38	.01			.05	2.44
Kumbrabow St. For.†[2]	Tygart	T.	.04	.58	.78	.06	.16					.46			.80						.99	.15	.10					.10	.11				4.33
Lost Creek	West Fork	T.	.30	.28	.05	T.	.12				.18	.03		.25	.14						.77	.16	T.					.53	T.	T.	T.	.07	2.88
Mannington	Monongahela	.04	.48	.18	.08	.01	.04				.17	.01		22	.21						.60	.16	.03					.47	.04		.01	.07	2.82
Midvale[2]†	Tygart			.76	.15	.06	.13					13			.53	T.					.80	.10	.04					.35	.11	T.	.03	.06	3.25
Morgantown	Monongahela	.50	.35	.10	T.	.50	T.				.30			.30	T.	T.					.60	.10						.47		T.	T.		3.22
Mt. Clare	West Fork	.01	.30	.27	.08	.02	.05	T.			.14			.35	.06						.60	.26	.01					.38	.01	T.	.03	.04	2.61
New Cumberland	Ohio	.12	.32	.05		.09					.14			.27	.02					.23	.20	.05						.15	.03			.30	1.97
New Martinsville	do																																
Parkersburg[1]‡	do	.08	.40	.06	T.	.01					.07			.25	T.					.46	.06	.02						.59	.01	T.	T.	.03	2.04
Parsons	Cheat		T.	T.	*	.99					*	.27		T.	.21						.77	.10						.30				.20	2.84
Philippi[2]	Tygart		.10	.50	.06	.02	.16					.16			.40	T.					.72	.22	.02					.31	.06		.03	.08	2.84
Pickens	do		.31	.70	.06	.14					.52			.29	.30						1.29	.20						.24	T.	T.	.10	.20	4.35
Pickens No. 2	do	T.	T.	1.02	.21	.10	.11					.60		T.	.77	.04		T.			1.10	.14	.15	T.				.10	.15	T.	.09	.16	4.74
Roanoke	West Fork	T.	.37	.60	.06	.05	.03				.04	.17		.25	.08						.95	.05						.31	.05			.03	3.04
Rockford†	do	T.	.54	.27	.12	.04	.11				.22			.28	.07						.81	.10						.27				.04	2.87
Rowlesburg[2]	Cheat	T.		.53	.08	.09	.21	.02				.28			.47						.40	.21	.04					.28	.07				2.68
Saint Marys[2]	Ohio	.08		.03	.50	.16	.03	.03				.06		.15	.14						.62	.10	.02					.61					2.53
Salem	West Fork	T.	.50	.15	.11		.06				.17			.26	.10						.64	.30						.30			T.	.05	2.64
Shinnston	do	.05	.10	.45	.20						T	T.		.40	T.						.30	.35	.10						.25				2.20
Terra Alta[2]†	Cheat	.15																			.20	.30	.10				T.	.20				.20	[illegible]
Thomas[2]	do		.05	.63	.16	.05	.24					.25			.45	T.					.45	.24	.20	T.				.15	.20		.05	T.	3.12
Valley Chapel	West Fork	T.	.32	.33	.17	.01	.06	T				.15		.27	.16	.03					.64	.12						.14	.01			.07	2.48
Valley Head[2]	Tygart		.05	.55	.05	.06	.13					.40	T.		.35	.02					.69	.13	.04					.14	.08		.01	.10	2.80
Vandalia†	West Fork	.58	.41		.15		.18				.18			.20		.10					.95							.36					3.11
Wellsburg (near)	Ohio	T.	.37			T.	.10				.18			.25	T						.59	.05	T.					.30				T.	1.84
West Milford	West Fork		.33	.37	.14	.10					.11			.35	.10						.70	.30	.05					.42				.20	3.17
Weston[2]	do		.11	.58	.24	.12	.07					.14			.45	T.					.70	.21	.10	T				.35	.05	T.	.02	.10	3.24
Wheeling (Dam 12)[2]	Ohio		.05	.31	02	.02	.12		.04			.07		.10	.14	T.	T.				.58	.01	.01					.19	.11			T.	1.77
Southern Division																																	
Arbovale[2]	Greenbrier	.16	.20	T.			.09					.20		.04	.10						.68	.10			.10			.30			.05		2.02
Beckley	New	.07	.30	.11	.12	T.						.22		.33	.06						.80	.04			.46			.11	.13	.12	.06	.08	3.01
Bluefield	New	.03			.09	.04						.18		.22	.11						.50	.05			.50			.19	.05	.20	.20		2.36
Camden-on-Gauley[2]	Gauley	.03		.35	.07	.03	.03					.35		.15	.22						.77	.16			.20			.16	.14			.06	2.72
Charleston[2]	Gr. Kanawha	T.	.08	.34	.08	.06					.01	.21		.14	.14						.58	.03	.01		.04			.70	.28	T.	.02	.02	2.74
Clay[2]	Elk				.34							.60		.03	.37						.72				.16			.32	.15	.01	.02	T.	2.72
Flat Top[2]	New																																
Gary[2]	Big Sandy	.01	.05	.24		T.	.04					.11		.05				.03			1.00	.02	T.		.25			.49	.11	.13	T.	.05	2.58
Greenbottom[2]†	Ohio	.02	.07	.26	.04	.02						.02		.27	.02						.48	T.				T.		.53	T.	T.	.01	.10	1.84
Hinton[2]	New	.03	.12	.18	.02	T.	.06					.06	T.	T.	.12						.50	T.	T.		.35			.26	.06		T.	.10	1.86
Hogsett[2]	Ohio		.05	.36	.06	.02						.03		.16	.19						.44	.01						.53	.11	T.	T.	T.	1.96
Huntington	do	.04	.30	.04	.01	T.					.01			.28	T.					.15	.32	T.			T.			.52	T.		T.	.01	1.68
Institute[2]	Gr. Kanawha		.15	.11	.05	.01						.21		.11	.22						.51	.02	T.		.13			.34	.03	T.	T.	T.	1.89
Kanawha Falls[2]†	do		T.	.40	T.							.40		T.	T.						.60	T.			.10				.05	T.	T.	T.	1.55
Kayford[2]	do		.03	.40	.10	.03						.11	T.		.44						.72	.04	T.		.10			.30	.04	.03	.02	.04	2.40
Lewisburg	Greenbrier	.04	.13	.01	T.		T.					.12		.10	.01						.74	.04			.30			.22	.04		.01	.01	1.77
Logan[2]	Guyandot	T.	.03	.24	.01	.03	.01					.03		.15	.18		T.				.60	.03	T.		.28			.24	.11	T.	T.	T.	1.94
London Locks[2]†	Gr. Kanawha	.09	.12	.28	.10	.03						.27		T.	.38						.67	.05			.23			.19	.14	T.	.05	.10	2.70
Madison[2]	Coal				.34	.01									.36						.53	.01			.25			.18	.15				1.83
Marlinton	Greenbrier	.03	.35	.07			.06					.44		.10	.02						.71		.06		.30			.36	.03			.02	2.55
Point Pleasant[2]	Ohio	T.	.15	.39	.08	.01						.04		.20	.10						.59	.02	T.					.60	.07		T.	.05	2.30
Rainelle	Greenbrier	01	.36	.24	.07	.01	.03					.28	T.	.31	.05						1.00	.08	T.		.30			.26	.02	.08	.01	.08	3.19
Ravenswood[2]	Ohio	T.	.10	.32	.03	T.	T.					.09		.12							60	.04						.56		.02		.01	1.89

Continued on next page.

Daily Precipitation for December 1939—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	.09	.60	.10	.06	.04	...	...	...	...	...	.50	.03	.04	.41	...	...	...	...	...	1.02	.15	.03	...	.12	...	...	.18	.33	.06	.11	.08	3.95
Ryan	Gr. Kanawha	.02	.30	.20	.12	.02	...	...	...	...	...	.02	...	.37	.01	...	.02	...	...	...	.54	.01	...	...	...	...	...	.55	.05	...	...	.06	2.29
Seneca State Forest†	Greenbrier	...	.48	.10	...	...	...	...	...	...	...	.36	...	.50	.10	...	...	...	...	...	.81	...	...	...	.21	...	...	.45	...	...	...	...	3.01
Spencer [2]	Litl. Kanawha	...	.07	.37	.10	.03	.03	...	...	...	...	.05	...	.10	.28	...	...	.05	...	T.	.50	T.	...	...	...	...	...	.35	...	T.	.05	.10	2.08
Sutton	Elk	...	.30	.65	.15	...	.10	...	...	...	...	.30	...	.30	.15	...	...	...	...	T.	.80	.10	...	...	...	...	...	.30	T.	.15	T.	.20	3.50
Thornwood [2]	Greenbrier	...	.62	...	.04	.12	...	...	...	...	...	.26	...	...	.14	...	...	...	...	...	1.01	.10	...	...	...	...	T.	.27	.05	.02	.03	...	2.66
Union	New	.04	.10	...	.09	...	.07	...	...	...	...	.08	...	.21	...	...	...	...	...	...	.70	...	...	...	.40	...	...	.20	.03	...	...	...	1.92
Wayne [2]	Twelvepole	...	.12	.15	.03	.01	...	...	...	...	...	...	...	.25	.01	...	...	...	...	...	.71	...	...	...	.25	...	...	.43	...	...	...	.03	1.99
White Sulp'r Spgs. [2]	Greenbrier	.25	.30	...	...	...	...	...	...	...	...	.30	...	.20	...	...	...	...	...	...	.90	...	...	...	...	...	...	...	...	...	...	...	||||
Williamson [2]	Big Sandy	...	.07	.24	.01	.06	.02	...	...	...	...	T.	...	.14	.20	...	...	...	...	...	.68	.02	..	...	.43	...	...	.13	.04	...	.01	.01	2.06
Winfield Locks [2]†	Gr. Kanawha	...	.12	.25	.06	.01	...	...	...	...	...	.09	...	T.	.22	...	...	...	...	...	.92	...	...	...	.01	...	...	.46	.01	...	.01	.05	2.21

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.
T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for December 1939

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	45	45	29	33	34	40	58	38	58	58	34	59	45	32	42	50	52	61	64	40	33	28	32	25	30	28	28	30	32	25	16	39.5
	Minimum	25	28	29	28	25	25	32	28	28	32	30	14	18	23	8	8	26	32	28	28	22	20	14	18	16	18	20	19	25	18	11	22.5
Beckley	Maximum	53	53	40	31	43	46	61	58	59	58	55	61	55	36	46	49	57	65	64	58	33	32	39	35	40	39	35	32	31	28	26	45.7
	Minimum	35	32	24	19	20	30	20	24	14	36	30	12	26	19	6	29	35	25	41	28	17	14	10	18	12	15	22	22	20	14	13	22.0
Bluefield	Maximum	55	52	48	37	45	47	61	57	61	61	47	60	58	37	46	48	57	64	63	59	36	33	39	38	40	40	38	37	35	30	29	47.0
	Minimum	49	41	32	28	27	39	31	32	25	36	34	22	35	24	18	38	40	30	42	34	25	20	22	24	11	17	29	30	30	21	18	29.2
Brandywine	Maximum	51	57	44	45	44	47	63	54	64	60	54	49	47	45	42	52	61	64	65	48	38	37	42	44	45	40	35	40	35	34	30	47.6
	Minimum	24	44	35	34	27	30	24	28	28	26	22	15	20	22	12	22	30	27	34	38	28	25	15	20	15	25	24	20	15	19	8	24.4
Buckhannon	Maximum	54	56	45	32	34	42	57	56	55	58	57	53	52	35	34	50	53	57	60	60	32	31	32	30	32	31	35	33	31	27	27	43.3
	Minimum	24	39	30	24	28	30	23	29	18	45	32	19	29	25	14	30	44	27	30	31	22	21	14	18	14	27	25	28	25	22	14	25.8
Cairo	Maximum	60	49	37	39	46	65	66	61	63	63	59	56	41	36	57	60	68	68	68	37	37	36	39	38	42	36	35	33	30	31	23	47.7
	Minimum	28	43	33	33	32	30	22	25	16	29	32	18	27	31	17	32	50	26	31	36	27	24	15	20	12	21	29	31	26	24	14	26.9
Charleston [3]	Maximum	57	58	37	49	52	68	51	47	65	45	63	45	35	53	59	62	68	70	42	33	39	41	38	41	40	39	38	38	30	36	28	47.3
	Minimum	40	44	41	33	34	35	32	32	25	27	38	26	26	32	23	23	50	35	35	40	31	28	24	26	16	19	21	32	30	28	23	30.6
Clarksburg [3]	Maximum	59	55	34	36	38	43	63	39	59	62	49	55	43	31	49	55	57	64	69	41	32	34	35	29	36	33	34	34	30	29	22	43.2
	Minimum	17	31	33	32	31	32	25	32	19	20	39	18	19	29	17	13	47	27	26	37	29	25	14	15	14	20	27	27	27	24	16	25.2
Elkins	Maximum	53	56	37	32	39	40	62	42	60	59	43	55	55	29	42	52	54	64	66	51	29	33	37	28	35	36	36	34	30	29	29	43.5
	Minimum	27	37	31	29	28	30	26	28	21	43	24	19	29	25	13	41	39	30	32	29	21	21	13	17	19	27	26	30	23	22	11	26.2
Fairmont [3]	Maximum	57	55	48	34	37	41	63	45	61	62	50	54	41	40	46	57	57	65	69	45	39	37	37	31	34	33	33	34	32	29	24	44.8
	Minimum	30	33	[illegible]	33	31	32	30	31	24	26	36	20	21	30	21	21	46	32	32	59	28	25	15	16	16	23	28	28	28	24	16	27.4
Flat Top	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gary [3]	Maximum	60	57	37	34	51	53	61	47	67	61	41	66	47	45	50	51	60	70	70	40	39	36	41	36	41	41	42	36	34	33	33	47.7
	Minimum	36	37	35	32	29	30	23	24	18	19	30	20	20	29	15	17	32	28	29	37	29	24	19	23	7	12	22	33	33	26	22	25.5
Glenville	Maximum	60	65	44	35	41	44	59	55	59	64	61	39	38	37	36	48	60	58	60	58	36	33	35	33	39	47	34	36	34	38	39	46.0
	Minimum	24	36	32	32	31	27	22	26	16	37	34	19	27	26	17	26	29	25	29	33	25	25	15	18	12	19	28	29	25	29	16	25.5
Grafton	Maximum	59	56	47	36	38	42	65	65	54	64	63	57	58	39	37	57	59	66	69	67	37	36	40	37	37	35	35	37	35	32	31	48.1
	Minimum	26	43	32	31	30	35	25	32	18	49	34	18	29	29	19	32	47	27	31	32	25	24	12	19	12	28	26	31	27	23	15	27.8
Huntington	Maximum	59	58	44	36	50	55	68	59	62	64	56	64	54	34	40	60	63	68	69	56	39	41	40	40	46	39	37	35	33	34	32	49.5
	Minimum	45	44	36	35	34	34	31	30	22	48	38	23	34	31	21	39	53	33	48	39	30	26	23	30	21	25	32	32	28	28	20	32.7
Lewisburg	Maximum	50	54	40	33	41	47	63	56	62	61	54	50	38	34	36	51	59	65	64	55	36	34	37	38	40	40	36	35	37	30	29	45.3
	Minimum	36	32	31	30	28	32	24	30	19	38	31	19	28	24	13	30	38	35	33	32	23	21	20	21	16	23	27	29	29	20	17	26.7
Logan [3]	Maximum	62	62	38	37	50	54	75	54	73	65	47	63	45	37	47	57	64	67	70	42	35	42	39	36	38	43	42	38	34	37	32	49.2
	Minimum	40	44	36	34	33	35	30	30	22	22	37	25	25	32	21	22	42	33	33	40	32	27	23	25	10	10	24	35	33	28	25	29.3
Madison [3]	Maximum	63	55	38	36	48	51	68	49	63	65	43	46	45	33	51	67	61	65	69	41	31	36	40	35	39	40	40	37	32	35	29	46.8
	Minimum	38	39	34	33	32	33	26	28	18	21	40	20	22	21	17	19	43	29	29	38	30	22	18	23	8	10	20	30	30	25	21	26.4
Mannington	Maximum	55	54	44	37	38	41	60	58	56	60	52	48	54	39	34	54	55	60	65	61	36	33	34	32	33	32	33	33	32	29	29	41.5
	Minimum	25	42	33	33	32	33	24	29	16	48	34	17	26	30	17	32	48	26	30	34	26	25	12	20	12	30	27	30	27	23	16	27.6
Marlinton	Maximum	47	55	43	36	40	44	64	60	63	61	58	53	46	40	39	56	58	64	64	60	40	33	37	38	44	44	42	36	38	36	30	47.4
	Minimum	25	37	31	30	27	31	22	30	14	26	33	16	22	24	10	29	31	25	24	32	23	20	11	25	7	21	26	26	29	21	09	23.8
Martinsburg [3]	Maximum	45	45	46	46	45	45	65	47	61	69	44	45	45	43	39	48	64	60	55	46	35	37	40	30	35	39	23	26	32	36	31	44.1
	Minimum	25	26	36	37	35	35	29	27	34	31	42	24	25	30	26	25	33	34	34	34	33	25	23	22	18	24	21	18	20	25	17	28.0
Morgantown	Maximum	55	55	36	36	35	36	37	60	58	60	60	62	55	35	36	40	45	40	61	58	58	50	40	33	30	31	30	30	32	30	28	43.6
	Minimum	35	31	32	31	30	27	30	28	26	48	33	18	35	20	18	28	25	15	33	31	25	21	14	16	18	25	26	18	25	18	20	25.9
New Cumberland	Maximum	48	46	43	37	38	41	58	52	54	52	52	45	44	36	35	50	50	54	55	54	34	30	32	32	33	34	31	33	30	28	25	41.5
	Minimum	41	43	35	34	32	33	33	33	24	42	29	20	36	30	20	34	48	34	40	33	26	24	17	20	21	30	24	21	25	24	11	29.6
New Martinsville	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Parkersburg	Maximum	60	52	40	37	41	48	67	48	58	60	46	57	58	33	48	58	58	65	67	45	32	37	35	32	43	34	36	34	30	31	30	45.8
	Minimum	41	40	33	34	33	32	33	28	25	46	28	25	33	31	23	47	40	33	44	30	27	25	20	24	22	29	28	28	24	27	11	30.5
Pickens	Maximum	51	52	37	33	34	36	55	55	46	54	46	66	50	45	43	46	50	58	60	60	30	39	37	31	33	37	35	30	27	27	24	42.8
	Minimum	27	30	25	25	22	29	28	37	24	42	25	14	29	15	5	34	28	29	36	25	20	12	8	10	6	23	25	21	20	14	10	22.5
Point Pleasant	Maximum	60	55	48	37	48	49	67	63	60	61	60	57	53	36	38	59	61	67	68	66	39	39	37	37	46	44	37	36	33	32	30	49.1
	Minimum	40	45	35	34	33	29	30	29	21	45	37	22	35	30	20	35	50	32	39	38	30	26	21	28	18	23	30	32	26	24	17	30.8
Rainelle	Maximum	49	52	39	31	41	43	60	49	59	55	55	50	39	33	37	48	55	64	66	57	34	31	37	34	38	40	36	36	33	27	26	43.7
	Minimum	33	34	29	28	25	32	19	29	12	26	31	16	24	23	8	29	40	24	26	30	17	20	13	16	2	17	26	27	26	17	6	22.7
Ravenswood	Maximum	64	62	48	47	46	52	66	67	58	61	57	55	59	41	38	58	59	67	66	59	42	40	39	38	15	46	39	39	34	33	36	50.4
	Minimum	36	42	34	32	31	37	29	25	21	36	37	21	32	31	20	35	49	30	38	37	27	25	19	26	14	19	29	31	25	25	17	29.4
Richwood [3]	Maximum	55	54	32	35	42	38	62	46	61	58	46	60	49	45	46	52	55	65	63	36	27	32	39	32	38	40	35	34	31	28	24	43.9
	Minimum	38	31	18	27	27	24	24	19	19	36	21	22	24	12	12	31	27	27	33	26	21	16	17	7	14	22	28	28	21	12	12	22.5
Romney	Maximum	40	47	45	38	44	50	68	65	65	67	55	47	46	42	38	56	60	68	60	59	39	37	40	38	34	34	31	28	32	33	30	46.3
	Minimum	25	33	38	38	35	35	24	38	29	55	35	19	28	33	22	27	50	35	28	38	29	28	23	23	26	25	20	20	25	25	14	29.8
Spencer [3]	Maximum	59	47	35	36	45	51	66	51	61	63	44	57	40	34	51	58	61	66	67	39	30	39	37	35	43	35	38	33	33	32	24	45.5
	Minimum	40	42	33	33	31	28	29	27	28	47	38	20	35	30	19	31	51	29	35	38	29	25	18	25	15	22	30	32	26	26	16	30.0
Sutton	Maximum	58	58	48	35	41	18	65	65	62	63	63	57	57	39	39	56	60	65	69	69	37	34	38	38	41	41	36	36	35	31	30	48.8
	Minimum	28	36	30	32	31	37	24	28	17	37	36	20	29	29	21	33	44	27	31	32	26	25	16	25	11	19	30	31	29	25	17	27.6
Wardensville [3]	Maximum	48	48	44	39	45	49	69	62	68	68	61	55	44	42	41	55	62	68	67	62	40	42	42	38	40	39	40	29	30	33	30	48.4
	Minimum	22	25	31	36	34	34	20	37	20	54	35	16	26	31	17	26	26	28	26	39	29	27	22	23	21	32	20	19	24	24	6	26.8
Weston	Maximum	62	60	42	36	39	45	65	63	62	64	61	56	56	40	38	62	60	72	68	65	36	34	38	33	38	40	34	35	34	31	30	48.4
	Minimum	32	40	32	32	32	34	29	33	32	37	33	20	31	29	19	32	45	29	32	34	25	25	17	32	15	29	30	31	29	25	17	29.4
Wheeling [3]	Maximum	52	55	38	36	38	42	61	45	56	56	39	52	41	33	46	56	56	60	67	41	30	37	36	35	35	36	29	34	30	28	19	42.5
	Minimum	37	38	34	35	32	35	32	34	28	32	37	22	22	31	24	24	46	33	34	40	27	25	19	19	22	26	26	24	26	25	16	29.2
Williamson [3]	Maximum	60	53	39	36	50	54	70	49	64	64	47	64	45	39	45	57	64	69	68	43	38	43	38	39	44	41	41	38	33	35	32	48.5
	Minimum	40	42	36	35	31	33	30	31	23	23	33	24	25	32	22	23	39	33	33	39	32	27	24	25	11	12	24	35	32	29	26	29.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 1 25 40—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. XLVII PARKERSBURG, W. VA., YEAR 1939 No. 13

GENERAL SUMMARY

The average temperature for the State was 54.4°, or 1.4° above normal and 0.1° below the 1938 average. While all seasons averaged above normal in temperature, the departures ranging from +3.4° for Winter to +0.4° for Autumn, each season, except Winter, had one month with a deficiency. The warmest months were June and August, 72.7°, and the coldest month was January, 36.4°. June was also the fourth warmest June of record. The highest annual mean temperature, 59.1°, occurred at Huntington and the lowest, 46.2°, at Bayard. The highest temperature was 103° at Ravenswood on September 10th and the lowest, −7° at Rainelle on January 28th. Subzero weather prevailed on four days in the year and was confined to the mountain region.

Precipitation was practically normal in amount but decidedly variable in distribution both as to time and area. February, April and June were very wet months, while May, August and November were extremely dry. Sixty-one per cent of the year's precipitation fell before July 1st, while ordinarily only fifty-three per cent falls in that period. The southern division was particularly deficient during the period August-December, when only fifty-seven per cent of the normal amount was recorded. This situation caused a sharp and serious decline in the water supply in this division, which was eased somewhat at the close of the year, and a serious forest fire hazard prevailed during October and November, culminating in the burning of over 134,000 acres of woodlands with damage estimated at over $670,000. The greatest annual amount of precipitation was 70.33 inches at Pickens and the least, 28.99 inches at Union. The greatest monthly amount was 13.36 inches at Morgantown in June and the least, 0.11 inch at Pickens No. 2 in August. Days with measurable precipitation averaged 126. Snowfall was about two-thirds of normal. The greatest annual snowfall was 92.5 inches at Pickens, and the least, 5.5 inches at Institute. The growing season averaged 165 days.

MONTHLY STATE DATA FOR 1939

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	36.4	+3.6	80	−7	3.59	−0.11	11.0	14	8	7	16	w.
February	39.0	+5.6	80	−2	5.72	+2.56	3.9	13	9	6	13	w.
March	41.9	+2.4	87	3	4.21	+.27	.5	10	12	9	10	w.
April	49.9	−1.8	92	12	5.36	+1.81	.8	15	9	10	11	w.
May	63.5	+1.8	100	19	1.38	−2.57	T.	7	16	11	4	w.
June	72.7	+3.0	101	33	6.23	+1.82	.0	14	12	10	8	w.
July	72.1	−1.1	99	33	5.81	+1.20	.0	14	12	11	8	w.
August	72.7	+.9	99	38	2.19	−1.86	.0	8	15	11	5	w.
September	68.8	+2.3	103	29	2.22	−.68	.0	6	19	8	3	w.
October	55.9	+1.3	92	14	3.24	+.38	.1	8	16	8	7	w.
November	40.8	−2.4	80	10	.96	−1.77	2.2	6	14	6	10	w.
December	36.6	+2.0	75	−4	2.46	−.83	7.0	11	9	7	15	w.
Annual	54.4	+1.4	103	−7	43.37	+.30	25.5	126	151	104	110	w.

MONTHLY EVAPORATION FOR 1939

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	3.488	5.623	5.044	5.119	5.307	3.922	2.393
	Wind movement, miles	2,497	1,280	1,036	637	593	724	1,252
Wardensville	Evaporation, inches	......	......	......	......	6.077	4.794	3.210
	Wind movement, miles	......	......	......	......	780	996	1,104

KILLING FROSTS–1939

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Aberdeen	April 8	Oct. 13	Mannington	May 4	Oct. 13
Alpena	May 16	Oct. 13	Marlinton	May 14	Oct. 13
Bayard	May 17	Sept. 18	Martinsburg	April 14	Oct. 13
Beckley	May 4	Oct. 13	McNeill	May 16	Oct. 13
Benson	May 4	Oct. 13	Morgantown	April 14	Oct. 15
Bens Run	May 5	Oct. 13	New Cumberland	May 14	Oct. 13
Bluefield	May 4	Oct. 15	New Martinsville	May 5	Oct. 14
Brandywine	May 5	Oct. 13	Parkersburg	April 14	Oct. 15
Brownsville	May 12	Oct. 13	Parsons	May 4	Oct. 13
Buckhannon	May 14	Oct. 15	Pickens	May 13	Oct. 15
Cairo	May 3	Oct. 12	Piedmont	April 14	Oct. 16
Charleston	April 14	Oct. 16	Point Pleasant	May 14	Oct. 15
Clarksburg	May 4	Oct. 13	Rainelle	May 15	Oct. 13
Creston	May 4	Oct. 13	Ravenswood	May 4	Oct. 13
Elkins	May 4	Oct. 15	Richwood	May 4	Oct. 12
Fairmont	May 4	Oct. 15	Romney	April 23	Oct. 13
Flat Top	May 3	Oct. 15	Ryan	May 4	Oct. 13
Gary	April 5	Oct. 15	Spencer	May 4	Oct. 13
Glenville	May 4	Oct. 13	Sutton	May 4	Oct. 13
Grafton	May 4	Oct. 13	Terra Alta	May 15	Sept. 23
Greenbottom	April 14	Oct. 13	Union	May 15	Oct. 13
Hinton	May 4	Oct. 15	Valley Chapel	May 1	Oct. 15
Huntington	April 14	Oct. 15	Wardensville	May 4	Oct. 13
Institute	April 14	Oct. 15	Wellsburg	May 14	Oct. 13
Kearneysville	May 15	Oct. 15	Weston	May 4	Oct. 15
Lewisburg	May 4	Oct. 13	Wheeling (Dam 12)	April 14	Oct. 15
London Locks	April 14	Oct. 15	White Sulphur Spgs.	May 5	Oct. 13
Lost Creek	May 4	Oct. 15	Williamson	May 4	Oct. 15
Madison	May 4	Oct. 15			

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip 01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	......	......	......	......	......
1892	52.3	99	−12	32.70	41.43	37.06	38.33	......	......	......	......	......
1893	52.0	99	−25	36.26	39.68	41.40	39.82	......	116	......	......	......
1894	53.5	103	−29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	......	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	......	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	28.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
Period	53.0	112	−37	37.16	45.16	42.93	43.07	33.9	122	147	93	125

Climatological Data for the Year 1939

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	36	46.2	89	June 17	−2	Feb. 23†	35	47.58	9.53	June	1.62	Nov.	60.0	135	201	60	104	w.
Brandywine	Pendleton	1,586	24	54.3	96	June 16†	0	Jan. 15	24	38.66	7.15	July	1.25	Nov.	28.0	88	236	5	124	s.
Harpers Ferry	Jefferson	400							50	40.24	5.48	Oct.	1.29	May	25.9	120				
Kearneysville	Jefferson	548	9	54.4	98	Aug. 21†	6	Jan. 15	9	39.22	8.46	June	.96	May		108	154	144	67	s.
Martinsburg	Berkeley	435	47	55.3	101	Sept. 8	10	Jan. 20	49	38.33	5.58	Oct.	1.88	Aug.	18.2	109	216	116	33	w.
McNeill	Hardy	800	7	52.0	97	June 16	2	Jan. 2	7	32.63	6.04	July	.96	May	29.0	94	136	134	95	w.
Piedmont	Mineral	1,053	24	53.4	93	July 8†	4	Jan. 28	24	40.96	6.76	June	1.28	Dec.	47.0	116	130	126	109	nw.
Romney	Hampshire	824	42	54.6	96	June 17	9	Jan. 15†	39	33.01	4.53	July	1.03	May	28.0	91	174	91	100	
Spruce Knob	Pendleton	4,550							9	44.53	8.84	July	.81	Nov.	84.7	139				
Stony River Dam	Grant	3,300							20	40.84	6.90	June	.82	May	71.0	93	79	86	200	w.
Wardensville	Hardy	1,200	20	53.2	94	June 16†	5	Jan. 15	22	37.12	6.74	July	1.45	Dec.	29.5	131	144	131	90	nw.
Northern Division																				
Aberdeen	Upshur	1,060							16	47.85	6.59	June	.49	Nov.	15.8	136	104	141	120	
Alma (near)	Tyler	800							13	48.52	10.00	June	.67	Nov.	17.1	131	158	78	129	
Alpena	Randolph	2,571	8	49.5	90	May 25	−1	Feb. 23	8	55.08	8.10	Apr.	.91	Nov.	92.0	146	151	99	115	
Benson	Harrison	1,080	17	53.7	98	Sept. 8	−3	Jan. 28	17	46.13	6.65	Feb.	.56	Nov.	27.0	134	113	182	70	
Bens Run	Pleasants	652	39	56.6	98	Sept. 8†	10	Feb. 23	39	45.97	7.93	June	.59	May	16.6	126	256	45	64	
Brownsville	Lewis	1,032	16	56.6	99	June 27	−1	Feb. 23	17	43.09	5.80	June	.38	Nov.	17.6	142	126	164	75	
Buckhannon	Upshur	1,411	47	52.6	87	May 25†	−1	Feb. 23	50	48.44	8.03	June	.21	Aug.	16.5	122	174	105	86	
Cairo	Ritchie	680	37	55.9	98	Sept. 7†	0	Feb. 23	37	47.98	7.81	June	.80	Nov.	13.8	134	154	165	46	
Clarksburg	Harrison	1,015	17	53.3	97	Sept. 8	6	Jan. 28†	17	41.83	6.86	June	.48	May	13.0	134	155	60	150	w.
Crawford	Lewis	1,107							17	45.04	6.81	Apr.	.49	Nov.	20.1	151	129	131	105	sw.
Creston	Wirt	640	39	53.3	96	Sept. 8†	−2	Feb. 23	40	49.02	7.80	June	.83	Nov.	17.2	137	162	97	106	
Dam 10 Mon. R.	Monongalia	826							18	47.82	12.16	June	.45	May	16.5	148				
Dam 13 O. R.	Marshall	655							24	40.09	8.22	June	.46	Nov.	21.0	134				
Dam 15 Mon. R.	Marion	882							18	47.07	10.19	June	.36	May	17.2	133				
Dam 19 O. R.	Wood	600							23	38.57	6.08	Feb.	.50	May	10.5	128				
Dam 20 O. R.	Wood	600							23	44.97	7.62	July	.54	May	11.0	118				
Elizabeth	Wirt	615							30	40.06	5.90	Feb.	.64	Nov.	13.0	113				
Elkins	Randolph	1,927	41	52.2	91	Sept. 8	2	Feb. 23	41	48.87	8.35	June	.83	Aug.	39.9	174	66	113	186	w.
Fairmont	Marion	883	34	54.6	97	Sept. 8	5	Feb. 23	48	43.33	9.45	June	.39	May	25.4	141	162	91	112	w.
Glenville	Gilmer	738	47	55.3	98	Sept. 13†	5	Jan. 28†	53	46.49	7.20	Apr	.74	May	10.0	133	111	115	139	w.
Grafton	Taylor	1,050	46	56.1	98	Aug. 18†	7	Jan. 26†	48	45.72	9.74	June	.85	Nov.	16.9	154	177	85	103	
Hastings	Wetzel	809							5	48.57	9.82	June	.56	Nov.	19.2	158	142	109	114	w.
Horner	Lewis	1,044							17	40.43	6.32	June	.66	Nov.		103				
Jane Lew	Lewis	1,020							17	41.96	5.96	June	.44	Nov.	14.9	144				
Lost Creek	Harrison	1,026	44	54.5	96	Sept. 8	3	Jan. 28	44	44.09	6.15	June	.45	Nov.	17.0	127	142	81	142	w.
Mannington	Marion	974	39	52.7	93	Sept. 8	−4	Jan. 28	39	51.50	10.45	June	.65	May	29.3	167	137	93	135	w.
Morgantown	Monongalia	1,250	47	53.1	93	Sept. 8	3	Jan. 26	66	51.68	13.36	June	.87	May	24.5	120	183	68	114	
New Cumberland	Hancock	671	43	53.5	98	Sept. 16	4	Feb. 23	43	32.70	6.24	June	.59	Nov.	24.6	132	134	40	191	nw.
New Martinsville	Wetzel	634	47	54.6	98	May 24†	5	Jan. 28†	47	47.96	7.79	June	.62	Nov.	20.2	110	134	129	102	s.
Parkersburg	Wood	615	52	56.1	98	Sept. 8	6	Feb. 23	52	37.15	5.88	Feb.	.53	May	16.9	132	126	114	125	se.
Parsons	Tucker	1,649	41	54.2	95	June 16	4	Feb. 23	41	54.60	9.53	June	1.17	Nov.	32.0	87	142	97	126	
Philippi	Barbour	1,300							47	49.54	8.60	June	1.11	Nov.	20.1	142				
Pickens	Randolph	2,760	50	50.0	87	Aug. 12	0	Feb. 23	50	70.33	11.35	Jan.	.99	Nov.	92.5	147	159	81	125	w.
Roanoke	Lewis	1,050							17	40.91	6.30	Apr	.50	Nov.	15.9	142	177	50	138	
Rowlesburg	Preston	1,375							56	51.87	8.01	June	1.06	May	44.4	143				
Saint Marys	Pleasants	577							32	47.37	9.42	June	.52	May	14.5	136				
Shinnston	Harrison	910							3	45.55	10.44	June	.88	Nov.	11.5	105	230	60	75	
Terra Alta	Preston	2,559	38	49.6	93	Sept. 7			34	53.45	7.20	June	1.35	May	58.7	128	179	72	114	w.
Thomas	Tucker	3,000							11	53.70	7.91	June	1.43	†Aug.	70.0	142				
Valley Chapel	Lewis	1,011	17	56.1	98	Aug. 12	1	Feb. 23	17	43.82	7.60	June	.49	Nov.	12.8	136	140	122	103	w.
Vandalia	Lewis	1,120							17	43.81	6.49	Apr.	.59	Nov.	28.0	104				
Wellsburg (near)	Brooke	668	41	52.5	100	Sept. 8	2	Jan. 28	48	32.55	6.09	June	.36	May	21.5	92	159	96	110	
West Milford	Harrison	979							15	43.92	6.51	June	.62	Nov.		131				
Weston	Lewis	1,026	47	56.9	98	Sept. 29	7	Jan. 28	52	46.55	6.21	Feb.	.76	Nov.	21.7	151	44	201	120	
Wheeling (Dam 12)	Ohio	659	32	53.7	99	Sept. 8	7	Feb. 23	56	39.08	8.28	June	.50	Nov.	35.2	132	120	109	136	sw.
Southern Division																				
Arbovale	Pocahontas	2,734							15	44.14	9.48	July	1.11	Nov.	49.0	125	160	104	101	w.
Beckley	Raleigh	2,440	39	51.5	92	Sept. 9	0	Jan. 28	43	41.27	6.02	Feb.	.99	Nov.	29.1	148	127	161	77	
Bluefield	Mercer	2,558	46	55.5	91	Sept. 9	8	Feb. 23	48	35.19	5.60	June	.68	Nov.	19.9	126	156	118	91	
Camden-on-Gauley	Webster	2,029							21	42.33	7.36	July	.45	Sept.	28.0	151				
Charleston	Kanawha	602	38	57.6	97	Sept. 7	9	Feb. 23	55	41.73	7.00	Feb.	.63	Nov.	9.5	137	131	79	155	
Clay	Clay	790							38	41.86	6.87	Feb.	.70	Sept.	10.5	131				
Flat Top	Mercer	3,260	2		85	Sept 9			2											
Gary	McDowell	1,426	23	55.1	94	June 16	7	Dec. 25	23	35.24	8.31	July	.59	Sept.	6.1	149				
Greenbottom	Cabell	550	2	55.9	98	Sept 14	4	Feb. 23	2	47.13	8.81	April	.69	Nov.	8.9	117	172	86	107	sw.
Hinton	Summers	1,431	43	56.5	101	June 16	9	Jan. 28	51	30.16	5.87	June	.55	Sept.	6.7	126				
Hogsett	Mason	564							24	39.42	6.97	Feb.	.77	May		114				
Huntington	Cabell	571	43	59.1	100	Sept. 9†	8	Feb. 23	46	49.04	8.21	Feb	.44	Nov.	11.5	119	86	179	100	sw.
Institute	Kanawha	616	2	57.6	98	June 27†	5	Feb. 23	2	39.43	6.80	Feb.	.52	Nov.	5.5	136				
Kanawha Falls	Fayette	618							21	33.47	5.88	June	.70	Nov.		96				
Kayford	Kanawha	1,335							23	37.59	6.38	Feb.	.60	Nov.	20.0	136				
Lewisburg	Greenbrier	2,250	38	54.0	92	Sept. 8	3	Feb. 23	48	30.58	5.14	July	.47	Sept.	26.4	131	130	108	127	
Logan	Logan	700	14	58.4	99	Sept. 9	10	Dec. 25†	39	40.07	8.77	July	.62	Sept.	7.0	140	143	99	123	
London Locks	Kanawha	623	4	57.3	97	Sept. 8	12	Feb. 23	4	39.31	6.20	July	.73	Sept.	6.0	133				w.
Madison	Boone	675	22	57.0	97	Sept. 9†			28	37.73	8.06	July	.23	Sept.		112	117	152	96	
Marlinton	Pocahontas	2,125	44	52.4			0	Jan. 28	43	42.47	7.50	July	.90	Nov.	27.3	132	90	162	113	
Point Pleasant	Mason	595	47	58.1	101	Sept. 16	8	Feb. 23	51	42.41	8.04	Feb.	.43	May	8.7	138	153	107	105	sw.
Rainelle	Greenbrier	2,424	9	51.0	91	June 16	−7	Jan. 28	9	41.76	6.35	Feb.	.48	Sept.	56.2	149	172	54	139	
Ravenswood (Dam 22)	Jackson	584	17	57.1	103	Sept. 10	1	Feb. 23	25	39.28	6.54	Feb.	.71	May		123	158	56	151	nw.
Richwood	Nicholas	2,193	9	51.8	92	June 16	3	Jan. 27	9	49.06	9.37	July	.76	Nov.	56.2	173	94	171	100	se.
Ryan	Roane	700	38	54.8	96	Sept. 13†	0	Feb. 23	38	41.58	8.36	April	.59	May	21.7	141	166	99	100	
Seneca State Forest	Pocahontas	2,650	1		95	June 7			1											
Spencer	Roane	789	43	56.1	99	Sept. 8†	0	Feb. 23	43	42.59	7.49	April	.86	Nov	21.0	139	110	143	112	
Sutton	Braxton	850	35	56.4	97	Sept. 8†	6	Feb 23	39	49.05	8.70	July	.65	Nov.	28.0	111				
Thornwood	Pocahontas	2,723							5	44.67	8.63	July	1.19	Nov.	49.4	106				
Union	Monroe	2,250	37	54.6	94	Sept. 9†	3	Dec. 25	37	28.99	5.31	July	.33	Sept.		106	159	105	101	
Wayne	Wayne	598							15	38.60	7.57	Feb.	.53	Nov.		120				
White Sulphur Springs	Greenbrier	1,914	28	53.2	94	Sept. 8	4	Jan. 28	28	32.62	4.65	Feb.	.50	Sept.			206	51	108	
Williamson	Mingo	673	40	58.8	100	June 16	11	Dec. 25	40	44.51	11.09	July	.62	Nov.	10.4	148	133	142	90	nw.
Winfield Locks	Putnam	570							2	46.58	8.45	April	.41	Nov.	7.7	132				
State averages and extremes				**54.4**	**103**	**Sept. 10**	**−7**	**Jan. 28**		**43.37**	**13.36**	**June**	***.11**	**Aug.**	**25.5**	**126**	**151**	**104**	**110**	**w.**

† Also on other dates.

* At Pickens No. 2

Monthly and Annual Precipitation for the Year 1939, with Departures from Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	3.99	−0.51	4.17	+0.67	3.49	−1.02	5.46	+1.62	1.83	−2.47	9.53	+4.40	5.37	+1.13	2.36	−2.02	3.41	+0.10	3.42	+0.16	1.62	−1.38	2.93	−0.91	47.58	−0.23
Brandywine	3.25	+.91	4.05	+2.29	1.65	−.82	3.25	+.58	2.05	−1.03	3.55	−.33	7.15	+3.58	2.74	−.84	5.22	+2.84	3.20	+.83	1.25	−.53	1.30	−.80	38.66	+6.68
Brushy Run	3.72	......	3.20	......	1.98	......	2.94	......	2.56	..	5.32	......	6.21	......	1.48	......	1.10	...	3.58	......	1.56	......	1.26	......	34.91	......
Harpers Ferry	3.26	+.55	4.31	+2.05	2.81	−.24	3.90	+.65	1.29	−2.15	5.07	+1.42	4.71	+1.21	2.13	−1.86	2.12	−.54	5.48	+2.22	3.09	+.90	2.07	−.54	40.24	+3.67
Inwood	3.86	......	4.06	......	1.88	......	4.84	......	1.55	......	8.03	......	4.12	......	2.01	......	4.30	......	*5.00	......	1.22	......	2.00	......	42.87	......
Kearneysville	2.96	......	4.03	......	1.84	......	3.68	......	.96	......	8.46	......	3.51	......	1.65	......	3.52	......	5.09	......	1.71	......	1.81	......	39.22	......
Knobly Mountain	3.57	......	4.33	......	3.57	......	3.75	......	1.69	......	6.09	......	5.16	......	2.01	......	2.60	......	3.33	......	1.59	......	1.48	......	39.17	......
Martinsburg	3.78	+1.27	3.65	+1.25	2.72	−.54	4.23	+1.12	2.20	−1.19	3.95	−.19	3.49	−.13	1.88	−2.18	2.52	−.40	5.58	+2.51	2.35	+.10	1.98	−.78	38.33	+.84
McNeill	1.95	−.43	2.40	+.27	1.92	−.67	3.67	+.71	.96	−2.27	5.62	+2.02	6.04	+3.01	2.02	−.97	2.97	+.69	2.66	+.35	1.08	−.47	1.34	−.72	32.63	+1.52
Petersburg	*1.77	......	2.79	......	1.48	......	2.74	......	.91	......	5.58	......	5.84	......	2.39	......	.89	......	2.35	......	1.68	......	.66	......	29.08	......
Piedmont	3.22	+.64	4.04	+1.80	2.53	−.45	5.26	+2.25	2.02	−1.63	6.76	+2.76	4.73	+1.25	3.70	+.11	3.40	+.99	2.49	−.16	1.53	−.36	1.28	−1.13	40.96	+6.07
Romney	1.68	−.71	3.79	+1.89	1.97	−.89	3.51	+.54	1.03	−2.50	3.83	+.01	4.53	+1.05	4.09	+.48	3.09	+.41	2.66	+.11	1.48	−.30	1.35	−.90	33.01	−.81
Spruce Knob	4.20	......	5.02	......	3.31	......	5.56	......	2.41	......	5.55	......	8.84	......	2.08	......	2.39	......	2.60	......	.81	......	1.76	......	44.53	......
Stony River Dam	3.45	+.64	3.63	+.78	1.63	−1.72	4.44	+.69	.82	−3.78	6.90	+2.88	6.66	+2.52	2.72	−1.86	2.23	−.55	4.74	+1.54	1.10	−1.85	2.52	−.72	40.84	−1.43
Wardensville	2.15	+.02	3.58	+1.87	1.58	−.62	2.43	−.08	2.71	−.25	4.41	+1.41	6.74	+3.64	3.38	−.25	2.52	−.07	3.31	+.15	2.86	+1.23	1.45	−.29	37.12	+6.76
Northern Division																										
Aberdeen	3.49	+.09	5.98	+2.88	4.35	+.56	6.35	+2.55	.92	−2.95	6.59	+2.23	6.41	+1.62	3.03	−1.45	2.86	−.45	4.09	+.55	.49	−2.85	3.29	+.29	47.85	+3.07
Alma (near)	2.83	+.17	6.09	+3.83	3.63	−.38	6.02	+2.65	1.45	−2.22	10.00	+5.90	5.01	+.92	3.91	−1.62	3.20	+.23	3.38	+.66	.67	−2.36	2.33	−.65	48.52	+7.13
Alpena	7.34	......	7.12	......	4.61	......	8.10	......	2.60	......	5.93	......	6.52	......	1.39	......	2.79	......	4.37	......	.91	......	3.40	......	55.08	......
Belington	4.45	......	5.88	......	4.87	......	5.75	......	1.10	......	6.54	......	6.21	......	1.75	......	2.13	......	3.71	......	1.37	......	3.08	......	46.84	......
Benson	3.67	+.06	6.65	+2.94	4.31	+.85	6.08	+2.87	1.24	−2.69	5.14	+.83	5.62	+.47	2.74	−1.71	2.86	−.77	4.10	+.54	.56	−2.93	3.16	−.33	46.13	+.13
Bens Run	3.07	−.91	5.21	+2.10	4.76	+.72	6.54	+2.98	.59	−3.41	7.93	+3.71	5.37	+.84	2.26	−1.98	3.30	+.71	3.53	+.51	1.18	−1.71	2.23	−1.33	45.97	+2.23
Brownsville	3.20	−.39	5.79	+2.72	4.48	+1.01	5.55	+2.19	1.44	−2.79	5.80	+1.49	5.21	+.41	2.12	−2.15	3.00	−.75	3.06	−.36	.38	−3.29	3.06	−.26	43.09	−2.17
Buckhannon	3.35	−1.05	6.61	+2.85	5.56	+1.05	6.53	+2.64	1.00	−3.43	8.03	+3.32	5.79	+1.07	.21	−3.88	2.51	−.45	4.79	+1.65	.67	−2.43	3.39	−.79	48.44	.55
Buckhannon No. 2	......	......	......	......	......	......	......	......	......	......	......	......	6.19	......	.11	......	2.34		......	......	......	......	......	......	......	......
Cairo	3.89	−.06	6.63	+3.66	4.83	+1.01	5.99	+2.53	.85	−2.57	7.81	+3.30	6.99	+2.57	1.22	−2.6[illegible]	2.74	−.06	*3.47	+.55	.80	−2.08	2.76	−.69	47.98	+5.51
Clarksburg	3.16	−.15	5.41	+2.37	3.68	+.66	5.50	+2.13	.48	−3.20	6.86	+2.59	4.76	+.68	2.41	−2.07	2.97	−.63	3.90	+.77	.54	−2.65	2.16	−.92	41.83	−.42
Crawford	3.47	−.01	5.92	+2.60	5.23	+.90	6.81	+2.58	1.32	−3.17	5.44	+.67	5.26	+.12	1.27	−3.31	2.59	−1.15	4.15	+.66	.49	−3.15	3.09	−.50	45.04	−3.76
Creston	3.71	−.22	6.70	+3.51	5.15	+1.05	7.17	+3.51	.94	−2.77	7.80	+3.42	6.20	+1.98	2.96	−.90	1.43	−1.26	3.39	+.24	.83	−1.92	2.74	−.73	49.02	+5.91
Dailey	4.18	......	5.02	......	3.43	......	5.22	......	3.78	......	6.18	......	6.38	......	1.30	......	2.57	......	3.83	......	1.40	......	1.82	......	45.11	......
Dam 10, Mon. R.	3.07	−.12	5.23	+2.36	4.36	+.59	5.45	+1.98	.45	−3.62	12.16	+7.82	6.64	+2.56	1.38	−2.68	2.36	−1.16	3.37	+.20	1.17	−1.98	2.18	−1.24	47.82	+4.71
Dam 13, O. R.	3.03	−.10	5.77	+3.34	4.11	+.68	3.88	+.56	1.40	−2.02	8.22	+4.39	4.63	+.27	1.55	−1.82	1.45	−1.53	3.48	+.79	.46	−1.92	2.11	−.87	40.09	+1.77
Dam 15, Mon. R.	3.71	+.49	5.88	+2.89	3.85	+.71	5.81	+2.52	.36	−3.24	10.19	+6.20	5.98	+2.05	1.30	−2.83	3.42	+.23	3.73	+.49	.54	−2.75	2.30	−.83	47.07	+5.93
Dam 19, O. R.	2.68	−.73	6.08	+3.51	4.78	+1.24	5.91	+2.73	.50	−2.92	5.81	+1.89	3.87	−.06	2.63	−1.03	.87	−1.79	2.56	−.09	.78	−1.86	2.10	−1.03	38.57	−.14
Dam 20, O. R.	2.50	−1.12	5.68	+2.92	4.80	+1.09	7.20	+3.96	.54	−2.92	4.24	+.25	7.62	+3.69	3.67	−.12	1.81	−.78	4.01	+1.26	.71	−1.89	2.19	−.95	44.97	+5.39
Elizabeth	2.61	−1.16	5.90	+3.04	4.36	+.61	5.85	+2.69	1.72	−1.71	4.49	+.28	5.29	+.89	1.31	−2.69	2.14	−.45	3.69	−.77	.64	−1.90	2.05	−1.08	40.06	−.71
Elk	3.82	......	5.96		3.73	......	6.36	......	1.35	......	6.24	......	5.20	......	2.09	......	2.81	......	3.67	......	.60	......	2.91	......	44.74	......
Elkins	4.89	+1.11	5.99	+2.91	4.17	+.37	6.53	+2.91	1.35	−2.70	8.35	+3.29	6.43	+1.05	.83	−3.03	2.41	−.74	4.32	+1.41	1.05	−1.72	2.54	−.92	48.87	+3.94
Fairmont	3.27	−.66	5.48	+2.46	3.49	−.48	5.34	+2.07	.39	−3.49	9.45	+5.04	4.65	+.25	1.46	−2.54	3.85	+.90	3.30	+.19	.48	−2.28	2.17	−1.32	43.33	+.14
Glenville	3.66	−.77	6.70	+3.19	5.34	+1.05	7.20	+3.44	.74	−3.38	5.52	+1.13	3.58	−1.29	3.16	−1.07	2.67	−.55	3.41	+.20	.94	−2.11	3.51	−.42	46.49	−.58
Grafton	3.61	+.04	5.35	+2.44	4.14	+.38	5.57	+2.28	1.41	−2.27	9.74	+5.61	4.51	+.43	1.01	−2.70	3.03	+.42	3.97	+1.01	.85	−1.58	2.53	−.55	45.72	+5.51
Hackers Creek	4.29	......	5.60	......	3.70	......	6.51	......	1.17		6.16	......	5.26	......	3.75	......	2.56	......	3.87	......	.79	......	2.53	......	46.19	......
Hall	3.49	......	5.34	......	4.66	......	5.93	......	1.82	......	6.73	......	6.22	......	1.70	......	2.66	......	4.19	......	.86	......	2.98	......	46.58	......
Hastings	2.90	......	6.42		5.42	......	6.36	......	1.48	......	9.82	......	5.33	......	1.10	......	2.82	......	3.61	......	.56	......	2.75	......	48.57	......
Horner	2.77	−1.26	4.32	+.67	3.25	−.51	6.02	+2.66	1.28	−3.39	6.32	+2.02	4.88	.08	1.38	−3.50	3.32	−.21	4.38	+.69	.66	−3.13	1.85	−1.68	40.43	−7.56
Ireland	3.57	......	6.43	......	4.46	......	6.93	......	1.78	......	5.03	......	7.06	......	2.21	......	1.35	......	4.02	......	.65	......	3.14	......	46.63	......
Jackson's Mill	3.56	......	5.82	......	4.43	......	6.53	......	.77	......	7.68	......	5.45	......	2.35	......	......	......	......	......	......	......	......	......	......	......
Jane Lew	3.00	−.26	4.75	+1.98	4.65	+1.40	5.61	+1.96	.95	−3.65	5.96	+1.89	4.43	−.51	3.02	−1.83	2.64	−.60	4.06	+.74	.44	−2.88	2.44	−.64	41.96	−2.40
Lost Creek	3.56	−.36	6.03	+2.95	4.26	+.34	5.98	+2.50	.96	−3.19	6.15	+1.82	5.55	+1.22	2.55	−1.68	2.36	−.63	3.36	+.37	.45	−2.36	2.88	−.65	44.09	+.39
Mannington	3.85	−.27	6.44	+3.54	4.37	+.34	6.83	+3.13	.65	−2.36	10.45	+6.17	6.65	+1.86	1.80	−2.28	3.28	−.11	3.67	+.50	.69	−2.35	2.82	−.75	51.50	+6.42
Midvale	4.72	......	6.20	......	4.24	......	7.03	......	1.47		6.74	......	6.80	......	.89	......	2.16	......	4.56	......	1.16	......	3.25	......	49.16	......
Morgantown	4.02	+.53	5.57	+3.01	4.77	+1.38	5.86	+2.71	.87	−2.83	13.36	+9.12	7.22	+2.84	.96	−3.05	2.19	.68	2.75	−.40	.89	−1.64	3.22	+.12	51.68	§§
Mt. Clare	3.11	......	5.44	......	3.75	......	5.39	......	.55	......	5.80	......	4.98	......	4.84	......	2.41	......	3.83	......	.52	......	2.61	......	43.23	......
New Cumberland	2.62	−.22	3.77	+1.33	2.84	−.40	3.09	−.19	.97	−2.43	6.24	+1.69	4.03	−.05	1.98	−1.41	.98	−1.93	3.62	+.90	.59	−1.73	1.97	−.79	32.70	−5.23
New Martinsville	3.28	−.70	7.70	+4.86	3.49	−.50	5.56	+2.06	.69	−2.98	7.79	+3.68	6.85	+2.36	2.39	−1.50	3.18	+.15	3.64	+.52	.62	−2.22	*2.77	−.79	47.96	+5.14
Parkersburg	2.71	−.87	5.88	+2.75	4.20	+.71	5.86	+2.67	.53	−2.85	4.26	+.26	4.62	+.33	1.13	−2.35	2.07	−.69	3.13	+.65	.72	−1.85	2.04	−.99	37.15	−2.26
Parsons	4.38	−.23	7.47	+3.95	4.50	+.29	6.93	+3.17	2.33	−1.80	9.53	+4.54	5.73	+.64	1.67	−2.38	4.45	+1.30	3.60	+.33	1.17	−1.76	2.84	−1.21	54.60	+6.84
Parsons No. 2	4.43	......	6.15	......	4.59	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Philippi	3.55	−.59	5.53	+2.35	5.11	+.97	6.16	+2.44	1.45	−2.82	8.60	+3.91	6.16	+1.43	2.53	−1.71	2.25	−1.05	4.25	+1.11	1.11	−1.82	2.84	−.93	49.54	+3.29
Pickens	11.36	+5.04	8.26	+3.17	5.64	−.27	6.98	+1.79	2.32	−2.93	8.83	+3.03	8.07	+2.03	6.33	+.86	2.01	−2.09	5.19	+1.15	.99	−3.23	4.35	−1.03	70.33	+7.52
Roanoke	3.04	−.56	6.03	+2.65	4.93	+1.31	6.30	+2.72	1.46	−2.90	4.04	−.27	3.82	−1.07	1.14	−3.20	2.44	−.96	4.17	+.75	.50	−2.87	3.04	−.33	40.91	−4.73
Rockford	3.01	......	5.79	......	4.76	......	6.24	......	.85	......	5.65	......	6.25	......	2.43	......	2.70	......	4.22	......	.46	......	2.87	......	45.23	......
Rowlesburg	5.35	+.44	4.71	+1.06	5.80	+.95	5.86	+1.67	1.06	−3.57	8.01	+2.64	6.58	+1.38	2.40	−2.13	3.93	+.45	4.33	−.02	1.16	−2.39	2.68	−1.70	51.87	−1.22
St. Marys	2.81	−.93	6.81	+3.88	4.78	+.86	6.52	+3.10	.52	−2.99	9.42	+5.25	5.20	+1.04	1.00	−3.09	2.97	+.27	3.71	+.85	1.10	−1.70	2.53	−.81	47.37	+5.73
Salem	3.40	......	6.19	......	4.21	......	6.79	......	.70		10.37	......	4.30	......	1.92	......	3.50	......	4.32	......	.50	......	2.64	......	48.84	......
Shinnston	2.90	......	*6.11	......	3.88	......	5.71	......	.97	......	10.44	......	3.66	......	1.25	......	3.66	......	3.89	......	.88	......	2.20	......	45.55	......
Terra Alta	*4.80	−.08	5.95	+2.36	6.17	+1.73	6.85	+2.76	1.35	−2.63	7.20	+1.02	4.80	−.44	2.60	−2.41	3.85	+.14	5.08	+1.19	1.55	−1.65	*3.24	−1.50	53.45	−.51
Thomas	3.97	−.01	6.02	+2.46	4.69	−.42	6.44	+2.26	3.49	−1.76	7.91	+2.80	7.36	+.87	1.43	−3.66	3.98	−.02	3.86	−.38	1.43	−1.56	3.12	−.73	53.70	−.15
Valley Chapel	3.21	−.33	5.60	+2.53	4.36	+.67	5.76	+2.35	1.05	−2.84	7.60	+3.85	4.79	−.14	2.27	−1.89	2.06	−1.26	4.15	+.74	.49	−2.78	2.48	−.74	43.82	+.16
Valley Head	5.36	......	5.79	......	4.20	......	5.43	......	2.45	......	5.08	......	8.76	......	2.66	......	1.09	......	3.39	......	1.25	......	2.80	......	48.26	......
Vandalia	2.58	−.49	5.60	+2.58	5.49	+2.29	6.49	+2.79	1.14	−2.44	5.49	+1.68	4.33	−.83	1.96	−2.24	3.19	−.08	3.84	+.87	.59	−2.79	3.11	+.71	43.81	+2.05
Wellsburg	2.34	−.71	4.55	+2.36	3.48	+.29	3.46	+.30	.36	−2.84	6.09	+1.95	3.32	−.86	1.56	−2.00	1.92	−1.07	2.99	+.27	.64	−1.93	1.84	−1.07	32.55	−5.31
West Milford	2.75	−.32	5.56	+2.23	4.16	+.62	6.19	+2.37	.65	−3.08	6.51	+2.24	4.50	−.15	3.04	−1.58	2.48	−.79	4.29	+.07	.62	−2.99	3.17	+.09	43.92	−1.29
Weston	3.45	−.66	6.21	+2.61	4.65	+.37	5.98	+2.47	1.47	−2.37	5.48	+1.14	5.29	+.87	2.70	−1.00	2.87	+.24	4.45	+1.64	.76	−2.18	3.24	−.39	46.55	+2.74
Wheeling (Dam 12)	2.54	−.50	5.38	+3.09	3.25	−.03	3.90	+.67	1.51	−1.59	8.28	+4.39	4.15	−.15	2.69	−.86	1.68	−1.24	3.43	+.70	.50	−1.93	1.77	−1.21	39.08	+1.34
Southern Division																										
Arbovale	5.15	+2.34	5.71	+2.84	3.38	−.43	3.99	+.77	2.94	−.47	4.70	+.95	9.48	+4.77	1.96	−2.35	1.39	−1.14	2.31	−.33	1.11	−1.97	2.02	−1.14	44.14	+3.84
Bancroft	3.75	−.32	6.91	+3.82	6.58	+2.58	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Beckley	3.58	−.09	6.02	+3.07	4.10	+.33	3.46	−.02	2.29	−1.34	5.90	+1.49	5.84	+1.46	3.39	−.45	1.06	−1.48	1.63	−1.35	.99	−1.60	3.01	−.30	41.27	−.28
Bluefield	3.03	+.02	4.51	+1.58	2.64	−.48	2.09	−1.02	1.84	−1.28	5.60	+1.37	4.70	+.63	4.85	+1.24	1.48	−.84	1.41	−1.36	.68	−1.37	2.36	−.52	35.19	−2.03
Camden-on-Gauley	4.54	+1.08	5.35	+2.36	5.21	+.77	5.27	+1.50	2.56	−2.73	4.13	−.94	7.36	+2.45	1.43	−4.04	.45	−2.91	2.60	−.42	.71	−2.93	2.72	−1.42	42.33	−7.23
Charleston	3.69	−.34	7.00	+3.69	5.86	+1.36	5.50	+1.63	1.45	−2.33	4.35	−.04	5.28	+.50	2.44	−2.03	.68	−2.30	2.11	−.93	.63	−2.44	2.74	−.90	41.73	−4.13
Clay	4.36	+.68	6.87	+3.61	4.03	−.12	6.27	+2.83	1.40	−2.39	3.78	−.73	6.61	+1.63	1.54	−2.95	.70	−2.52	2.51	−.47	1.07	−1.83	2.72	−.78	41.86	−3.04
Flat Top	3.31	......	4.87	......	3.70	......	2.36	......	.48	......	7.67	......	5.46	......	3.94	......	1.22		1.96	......	......	......	......	......	......	......
Gary	2.51	−.94	4.83	+1.69	3.30	−.86	2.65	−.84	2.49	−1.48	4.23	−.84	8.31	+3.38	1.70	−2.41	.59	−2.40	1.18	−1.72	.87	−1.83	2.58	−.79	35.24	−9.04
Greenbottom	3.23	......	6.86	......	7.81	......	8.81	......	.88	......	3.31	......	7.42	......	1.92	......	1.60	......	2.76	......	.69	......	1.84	......	47.13	......
Hinton	2.79	−.47	4.37	+1.48	2.83	−1.07	1.61	−1.59	1.47	−2.08	5.87	+1.57	4.28	+.21	1.87	−2.29	.55	−2.14	1.30	−1.53	1.36	−1.05	1.86	−1.32	30.16	††
Hogsett	3.37	−.47	6.97	+4.04	5.38	+1.50	6.37	+3.10	.77	−2.91	3.97	−.06	3.36	−.52	2.93	−.23	1.29	−.89	2.14	−.49	.91	−1.77	1.96	−1.30	39.42	.00
Huntington	3.50	−.29	8.21	+5.13	7.11	+2.89	7.97	+4.46	.98	−2.99	5.20	+.97	6.94	+2.64	1.69	−2.01	2.20	−.25	3.12	+.60	.44	−2.08	1.68	−1.69	49.04	+7.38
Institute	3.37	......	6.80	......	6.20	......	6.02	......	.61	......	3.88	......	5.10	......	1.52	......	1.39	......	2.13	......	.52	......	1.89	......	39.43	......
Kanawha Falls	2.33	−.88	5.25	+2.61	3.24	+.04	3.25	−.47	1.08	−2.82	5.88	+1.80	4.20	−.66	3.69	−1.20	1.45	−1.71	.85	−2.45	.70	−2.43	1.55	−1.81	33.47	−9.98
Kayford	4.14	−.08	6.38	+2.94	4.24	−.40	4.04	−.02	1.18	−3.22	5.58	+.49	5.83	+.66	.72	−4.11	.70	−2.68	1.68	−1.64	.60	−2.55	2.40	−1.51	37.59	‡‡
Lewisburg	3.26	−.09	3.87	+1.08	2.43	−1.21	1.83	−1.49	2.53	−.83	3.93	−.01	5.14	+1.25	2.14	−1.81	.47	−2.22	2.16	−.84	1.05	−1.43	1.77	−1.34	30.58	−8.94

* Interpolated   §§ +11.14   †† −10.28   ‡‡ −12.12

Continued on next page.

Monthly and Annual Precipitation for 1939, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Logan	3.86	−0.56	6.79	+3.29	5.47	+0.75	2.84	−1.31	1.66	−2.45	4.70	−0.19	8.77	+3.84	1.23	−3.26	0.62	−2.53	1.52	−1.53	0.67	−2.56	1.94	−2.16	40.07	−8.67
London Locks	4.09	......	6.04	......	5.61	......	4.59	......	.99	......	3.92	......	6.20	......	2.28	......	.73	......	1.42	......	.74	......	2.70	......	39.31	......
Madison	*3.80	−.30	*6.65	+3.42	4.73	+.55	4.43	+.59	.91	−3.42	4.07	−.09	8.06	+2.73	.78	−3.04	.23	−3.23	1.78	−.85	.46	−2.19	1.83	−1.07	37.73	−6.90
Marlinton	4.21	+.01	6.15	+2.85	3.94	−.60	3.73	+.11	2.23	−1.71	*4.80	−.01	*7.50	+2.71	3.06	−1.62	1.38	−1.63	2.02	−.97	.90	−2.04	2.55	−1.35	42.47	−4.25
Point Pleasant	3.23	−.72	8.04	+4.89	5.64	+1.55	7.20	+3.89	.43	−3.56	3.17	−.91	4.56	+.42	2.38	−.83	1.85	−.56	2.47	−.34	1.14	−1.69	2.30	−1.20	42.41	+.94
Rainelle	4.36	......	6.35	......	4.36	......	3.88	......	2.55	......	5.59	......	5.16	......	2.91	......	.48	......	1.93	......	1.00	......	3.19	......	41.76	......
Ravenswood (Dam 22)	2.48	−1.12	6.54	+3.57	4.49	+.60	6.37	+3.21	.71	−3.00	3.63	−.51	6.17	+2.15	1.54	−1.81	1.75	−.55	2.61	−.18	1.10	−1.62	1.89	−1.43	39.28	−.69
Richwood	4.83	......	5.69	......	4.85	......	5.90	......	1.82	......	4.04	......	9.37	......	4.34	......	1.24	......	2.27	......	.76	......	3.95	......	49.06	......
Robertsburg	2.83	−1.10	6.84	+3.80	5.47	+1.52	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Ryan	3.69	−.36	7.17	+3.89	5.49	+1.13	8.36	+4.58	.59	−3.05	4.18	−.47	3.44	−1.16	1.36	−2.72	1.75	−1.25	2.46	−.70	.80	−2.07	2.29	−.96	41.58	−3.14
Seneca State Forest	......	......	......	......	......	......	......	......	1.89	......	3.80	......	9.70	......	1.33	......	1.23	......	2.12	......	1.38	......	3.01	......	......	......
Spencer	3.59	−.42	7.19	+4.04	5.28	+1.21	7.49	+4.10	1.17	−2.48	3.48	−1.03	5.25	+1.01	1.45	−2.52	1.37	−1.51	3.38	+.22	.86	−1.81	2.08	−1.33	42.59	−.52
Sutton	5.25	+.71	7.40	+3.96	4.80	+.46	6.35	+2.50	2.00	−2.36	4.15	−.81	8.70	+3.37	1.30	−2.95	1.05	−2.30	3.90	+.91	.65	−2.55	3.50	−.32	49.05	+.62
Thornwood	4.39	......	5.32	......	2.58	......	4.87	......	2.24	......	4.63	......	8.63	......	1.82	......	4.48	......	1.86	......	1.19	......	2.66	......	44.67	......
Union	2.25	−.90	4.04	+1.19	2.60	−.95	1.59	−1.30	.89	−2.31	4.71	+.72	5.31	+1.52	2.28	−1.65	.33	−2.22	1.94	−.79	1.13	−1.21	1.92	−1.00	28.99	−8.90
Wayne	4.34	+.58	7.57	+4.65	5.34	+.74	5.95	+2.29	.89	−2.69	2.24	−1.78	4.15	−.44	2.11	−2.14	1.11	−1.98	2.38	−.50	.53	−2.53	1.99	−1.04	38.60	−4.84
White Sulphur Springs	*2.80	−.53	4.65	+2.02	3.30	−.27	3.35	+.07	2.54	−.93	2.85	−1.13	4.00	+.08	4.08	+.49	.50	−2.34	1.65	−1.16	1.15	−1.13	*1.75	−1.35	32.62	−6.18
Williamson	3.39	−.56	7.31	+3.96	4.19	−.35	3.05	−.63	1.62	−2.46	6.63	+1.86	11.09	+6.66	2.01	−1.98	1.32	−1.67	1.22	−1.57	.62	−2.20	2.06	−1.72	44.51	−.66
Winfield Locks	3.69	......	7.37	......	6.31	......	8.45	......	.91	......	4.47	......	5.30	......	1.75	......	3.39	......	2.32	......	.41	......	2.21	......	46.58	......

Monthly and Annual Mean Temperatures for the Year 1939, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	28.6	−0.2	30.5	+0.9	36.0	−1.7	39.9	−3.8	53.8	−2.6	63.7	+0.2	63.3	−4.3	64.1	−1.7	61.0	+0.1	48.0	−1.2	35.0	−4.1	31.0	+2.9	46.2	−1.3
Brandywine	35.7	+4.8	39.9	+5.2	45.2	+3.8	50.3	+.4	62.6	+4.0	72.0	+5.0	71.6	+.3	72.1	+2.2	69.4	+4.7	55.8	+2.5	41.2	−.8	36.0	+1.8	54.3	+2.8
Inwood	33.4	......	37.2	......	43.4	......	50.0	......	63.8	......	72.8	......	72.2	......	74.8	......	67.6	......	*55.8	......	*43.2	......	40.8	......	54.6	......
Kearneysville	32.2	......	37.2	......	43.6	......	50.3	......	64.8	......	72.2	......	73.0	......	75.4	......	67.6	......	55.5	......	43.4	......	37.3	......	54.4	......
Martinsburg	34.4	+3.4	38.0	+6.6	43.6	+2.0	51.8	+.2	66.7	+3.9	72.9	+1.9	74.9	−.8	77.8	+4.8	68.8	+1.9	56.1	+1.4	43.0	−.2	36.0	+2.0	55.3	+2.2
McNeill	34.6	+3.6	38.8	+6.5	45.0	+4.0	48.8	−3.0	60.9	+.7	70.9	+3.1	70.4	−1.2	71.0	−.3	63.2	−2.6	48.8	−5.3	37.1	−5.2	33.9	+1.3	52.0	+.2
Petersburg	*36.9		40.8	......	45.8	......	52.1	......	65.2	......	73.6	......	71.8	......	73.0	......	67.6	......	55.0	......	39.3	......	35.1	......	54.7	......
Piedmont	33.7	+2.8	36.8	+3.0	42.8	+1.6	49.2	−1.2	63.4	+3.4	70.3	+2.2	71.2	−1.1	73.2	+2.7	67.3	+1.6	55.6	+2.2	41.9	−.3	35.5	+2.5	53.4	+1.6
Romney	35.4	+3.9	38.6	+4.4	45.5	+3.1	45.4	−6.3	64.2	+1.3	73.2	+3.3	72.2	−2.7	74.0	+1.4	69.0	+2.2	56.8	+1.9	43.0	−.1	38.0	+3.5	54.6	+1.3
Wardensville	36.4	+5.6	37.6	+3.8	43.7	+1.8	49.4	.2	62.0	+2.6	70.5	+5.0	70.9	+.3	72.2	+2.7	66.0	+1.8	53.0	+.4	39.2	−4.7	37.6	+3.9	53.2	+1.9
Northern Division																										
Alpena	32.4	......	35.5	......	41.1	......	45.0	......	57.6	......	67.0	......	65.6	......	66.2	......	62.8	......	50.7	......	37.8	......	32.2	......	49.5	......
Benson	36.1	+2.0	38.0	.0	43.8	+3.5	49.2	−3.4	63.2	+2.4	72.4	+4.2	72.2	−.3	72.2	+1.5	68.8	+1.9	54.6	+1.7	38.4	−4.7	35.0	−1.2	53.7	+.7
Bens Run	38.4	+5.5	41.3	+8.5	44.6	+1.1	50.5	2.3	66.0	+3.0	74.3	+3.5	74.6	−.5	75.6	+2.0	74.0	+5.6	58.5	+1.9	43.7	−.4	38.0	+3.2	56.6	+2.6
Brownsville	38.7	+4.1	41.8	+4.2	47.7	+5.8	52.0	−.3	64.6	+3.0	74.4	+4.9	73.0	−.8	74.2	+2.0	71.0	+3.4	59.4	+4.8	42.8	−1.8	39.2	+2.6	56.6	+2.7
Buckhannon	38.2	+5.7	39.8	+6.7	45.4	+3.5	48.8	−2.3	61.2	+.1	70.4	+2.0	67.8	−4.0	69.4	−.5	65.1	+.6	53.1	−.7	37.9	−4.3	34.6	+.4	52.6	+.6
Cairo	37.9	+3.5	40.2	+6.0	46.2	1.9	51.0	−3.0	65.6	+2.5	74.0	+3.7	73.7	−.6	74.6	+2.1	70.6	+2.5	57.4	+1.6	42.0	−1.7	37.3	+2.6	55.9	+1.8
Clarksburg	34.7	+2.1	35.7	+1.1	42.0	+2.3	48.8	2.4	64.4	+4.1	73.4	+4.0	72.5	−1.3	73.6	+1.6	68.1	+.6	53.3	−.1	38.8	−4.0	34.2	−1.0	53.3	+.6
Creston	36.1	+2.0	37.0	+2.3	44.1	+.1	48.4	−5.0	63.1	.0	71.0	+.3	70.4	−4.3	71.0	−2.1	68.9	+1.1	53.6	−2.1	39.6	−4.6	36.7	+1.4	53.3	−.9
Elkins	35.6	+5.2	37.6	+6.0	43.0	+3.0	47.0	−1.8	60.8	+1.6	70.0	+3.1	69.0	−1.3	70.1	+1.0	66.0	+3.0	53.4	+1.1	39.4	−.9	34.8	+2.1	52.2	+1.8
Fairmont	35.4	+3.2	37.5	+4.4	43.8	+2.3	50.5	−1.3	65.8	+3.7	73.4	+3.1	72.6	−1.7	74.0	+1.3	69.5	+2.1	55.0	−.1	41.4	−1.5	36.1	+2.1	54.6	+1.5
Glenville	37.4	+3.6	39.9	+5.3	46.7	+2.0	51.0	−2.9	65.3	+1.7	74.0	+2.9	73.1	−2.2	74.7	+.8	71.4	+2.9	56.0	−.2	38.8	−5.5	35.8	−.1	55.3	+.7
Grafton	38.7	+6.1	41.0	+8.4	47.4	+5.9	51.0	−.5	65.0	+3.5	73.4	+4.3	72.8	+.2	74.0	+2.6	70.8	+3.7	58.6	+3.4	42.8	−.3	38.0	+3.8	56.1	+3.4
Lost Creek	37.6	+4.7	40.1	+7.4	45.6	+3.2	49.2	−1.4	63.4	+3.0	72.2	+4.6	71.0	−1.2	72.2	+1.5	68.7	+3.3	56.0	+1.8	41.0	−1.6	37.3	+2.9	54.5	+2.3
Mannington	35.2	+3.3	37.8	+5.0	43.4	+1.1	48.4	−2.7	61.8	+1.4	70.6	+2.8	70.0	−1.8	70.5	+.3	65.9	+1.0	53.8	+.2	39.4	−2.6	36.0	+2.4	52.7	+.8
Morgantown	35.0	+2.7	38.1	+5.3	43.2	+1.1	47.2	−4.5	63.0	+.9	70.8	+1.5	69.3	−4.2	72.8	+.8	67.4	−.1	54.2	−1.0	41.8	−2.0	34.8	+.4	53.1	.0
New Cumberland	34.8	+6.2	34.4	+5.3	41.9	+2.5	48.6	−.6	63.8	+3.6	72.6	+4.4	71.6	−1.4	73.6	+2.8	69.4	+3.9	55.8	+1.8	39.1	−2.5	35.6	+3.9	53.5	+2.6
New Martinsville	34.0	+.9	35.5	+2.0	42.4	−.9	48.2	−4.9	65.2	+2.2	73.8	+2.7	74.4	−.8	74.0	+.3	70.0	+1.5	57.6	+.8	42.8	−2.0	*37.7	+2.4	54.6	+.3
Parkersburg	38.3	+5.8	38.5	+4.3	44.8	+2.0	50.9	−2.5	66.1	+2.3	74.6	+3.2	74.2	−1.2	74.7	+.8	71.6	+4.3	58.2	+2.1	42.6	−1.2	38.2	+3.0	56.1	+1.9
Parsons	35.1	+.6	39.5	+7.8	45.3	+4.8	48.5	−.7	63.1	+4.3	71.8	+4.9	71.3	+.5	72.4	+3.0	67.5	+3.8	56.0	+4.5	42.2	+1.0	38.0	+5.7	54.2	+3.3
Pickens	33.4	+2.5	36.2	+4.3	42.6	+3.4	45.6	−2.5	58.0	−.1	67.9	+3.0	66.7	−1.9	67.0	+.5	63.0	+1.2	50.5	−1.2	36.6	−3.8	32.6	+.4	50.0	+.5
Terra Alta	*30.4	+2.5	33.2	+4.4	38.1	+.2	44.2	−2.6	59.0	+1.6	68.2	+3.5	68.5	+.3	68.8	+2.0	64.2	+2.4	50.9	+1.9	36.4	−4.2	*33.0	+2.4	49.6	+1.2
Valley Chapel	38.3	+3.2	40.2	+1.7	46.7	+4.2	51.8	1.3	65.2	+3.6	74.8	+5.2	74.2	+.2	75.0	+2.5	70.4	+2.4	57.6	+2.2	41.0	−4.0	38.0	+.5	56.1	+1.7
Wellsburg	33.8	+3.6	35.4	+5.4	41.4	+1.6	47.2	−2.4	61.8	+1.6	71.6	+3.6	70.6	−1.6	71.4	+1.1	67.8	+2.9	54.5	+1.0	38.8	−3.0	35.6	+3.2	52.5	+1.4
Weston	39.5	+5.4	41.2	+7.3	48.3	+4.5	51.6	−1.2	66.2	+3.5	75.4	+5.0	74.4	.0	74.8	+2.1	71.6	+4.3	58.6	+3.1	42.4	−1.6	38.9	+3.1	56.9	+2.9
Wheeling (Dam 12)	33.4	+3.0	35.1	+3.0	41.4	+.9	47.8	−3.8	64.7	+2.9	73.0	+2.4	73.1	−1.7	74.4	+1.6	69.4	+2.0	55.6	+.7	41.2	−1.0	35.8	+3.2	53.7	+1.1
Southern Division																										
Beckley	34.7	+1.3	38.4	+3.7	44.0	+1.4	48.0	−2.2	60.0	+.1	67.6	+.2	68.0	−3.2	67.4	−1.9	65.0	+.9	53.8	−.6	37.3	−6.0	33.8	−.7	51.5	−.6
Bluefield	38.8	+3.9	42.8	+8.0	47.5	+3.1	51.6	2.0	63.0	+1.4	72.5	+2.4	71.8	+.2	70.8	+.3	69.8	+3.6	57.8	+2.1	41.1	−3.8	38.1	+1.2	55.5	+1.7
Charleston	39.2	+1.3	41.4	+2.2	46.4	−1.0	52.8	−3.5	66.7	+1.3	77.4	+4.3	76.0	−.9	76.2	+.9	72.1	+1.2	59.8	+.9	44.0	−3.9	39.0	−.6	57.6	+.2
Flat Top	33.0	......	36.6	......	42.4	......	47.2	......	59.6	......	68.0	......	67.0	......	67.7	......	67.2	......	54.8	......	......	......	......	......	......	......
Gary	37.0	+1.9	41.6	+3.7	46.3	+3.8	51.5	−1.9	63.5	+2.4	74.0	+4.7	73.2	+.1	73.0	+1.0	68.6	+.1	55.4	−.2	40.2	−4.8	36.6	−1.2	55.1	+.8
Greenbottom	37.0	......	39.0	......	45.6	......	51.1	..	65.9	......	74.6	......	73.9	......	74.4	......	71.6	......	58.1	......	42.4	......	37.7	......	55.9	......
Hinton	36.9	+2.4	41.6	+6.1	47.2	+3.1	52.4	−.8	66.4	+3.0	76.4	+5.9	75.6	+1.2	74.8	+1.5	70.2	+2.2	57.7	+.7	40.8	−3.3	37.9	+2.1	56.5	+2.0
Huntington	41.2	+7.2	42.2	+7.5	49.3	+4.3	54.8	+.2	68.0	+3.3	77.3	+4.4	77.1	+.5	77.4	+2.6	74.5	+5.5	61.6	+5.2	45.1	+.8	41.1	+5.5	59.1	+3.9
Institute	40.4	......	41.8	......	47.9	......	53.6	......	66.6		75.8	......	75.3	......	75.3	......	73.0	......	59.6	......	43.4	......	38.6	......	57.6	......
Lewisburg	36.0	+3.6	40.0	+6.7	46.4	+4.3	49.8	−.7	62.4	+2.3	72.0	+4.8	70.7	−.3	70.8	+1.4	67.6	+3.3	55.2	+2.0	40.8	−1.1	36.0	+2.8	54.0	+2.4
Logan	39.6	......	43.1	......	48.4	......	54.0	......	68.0	......	77.2	......	76.9	......	77.0	......	73.7	......	60.6	......	43.4	......	39.2	......	58.4	......
London Locks	41.2	......	42.2	......	47.1	......	53.0	......	65.6	......	76.2	......	75.0	......	75.6	......	72.1	......	58.6	......	42.2	......	38.8	......	57.3	......
Madison	*39.7	+3.1	*42.4	+5.8	47.8	+5.1	53.8	−.5	66.7	+2.8	75.8	+3.5	75.0	+.2	75.1	+.7	71.8	+4.1	59.0	+3.4	40.4	−3.1	36.6	+1.6	57.0	+2.2
Marlinton	33.6	+5.6	36.8	+5.0	43.8	+5.9	48.8	−2.0	60.2	+3.2	*69.0	+4.7	*68.6	+1.0	70.8	+4.6	66.8	+5.6	54.8	+5.2	40.0	+2.4	35.6	+6.2	52.4	+4.3
Point Pleasant	39.1	+5.0	41.4	+8.0	48.0	+2.8	53.6	−1.3	67.2	+2.5	76.0	+3.6	75.4	−1.0	76.6	+1.9	74.7	+8.8	60.9	+3.7	44.1	−1.2	40.0	+4.2	58.1	+3.1
Rainelle	33.0	......	37.5	......	42.4	......	46.8	......	59.1	......	68.7	......	68.8	......	68.5	......	64.6	......	52.6	......	37.1	......	33.2	......	51.0	......
Ravenswood (Dam 22)	37.3	+1.9	39.2	+.4	45.4	+2.1	52.2	−1.6	67.2	+5.3	76.0	+5.5	74.3	−.8	76.0	+3.1	73.6	+4.2	59.4	+3.1	44.2	−1.5	39.9	+2.0	57.1	+2.0
Richwood	34.1	......	38.4	......	42.2	......	47.2	......	60.7	......	70.4	......	69.9	......	69.1	......	65.6	......	52.6	......	38.1		33.2	......	51.8	......
Ryan	37.0	+4.0	38.8	+4.5	45.4	+2.6	51.1	−.9	64.0	+2.8	73.1	+4.3	72.5	−.6	72.4	+.7	69.4	+4.8	58.4	+5.7	39.8	−3.6	35.1	+.6	54.8	+2.1
Seneca State Forest	......	......	......	......	......	......	......	......	57.1	......	69.3	......	67.7	......	66.8	......	62.2	......	52.4	......	38.8	......	34.6	......	......	......
Spencer	38.9	+5.2	40.0	+4.8	46.2	+3.3	51.2	−1.6	65.4	+3.4	74.9	+5.2	74.0	+.4	74.4	+2.1	72.0	+5.5	57.2	+2.3	40.7	−3.4	37.8	+1.3	56.1	+2.4
Sutton	38.8	+4.5	41.4	+5.3	46.9	+2.7	51.4	−1.4	64.2	+.9	74.8	+3.5	74.3	−.5	74.6	+1.5	71.6	+2.9	58.4	+1.7	41.6	−2.4	38.2	+3.0	56.4	+1.9
Union	37.1	+3.8	41.3	+6.1	46.4	+3.0	51.0	−.8	62.2	+1.3	72.0	+4.2	71.6	.0	70.4	+.2	68.6	+2.5	56.9	+2.5	41.2	−1.2	36.9	+2.9	54.6	+2.0
White Sulphur Springs	*36.2	+4.1	*41.2	+5.7	42.6	.0	49.6	−1.8	62.3	+1.8	72.0	+4.0	71.0	−.6	71.0	+.7	65.0	+.1	54.6	+2.2	38.7	−3.4	34.7	+1.6	53.2	+1.2
Williamson	39.7	+3.7	43.0	+5.6	49.0	+2.3	55.2	−.3	68.4	+3.4	78.4	+5.8	78.4	+2.3	77.6	+2.8	74.0	+4.3	60.6	+2.8	42.8	−2.8	38.8	+1.2	58.8	+2.6
Winfield Locks	......	......	......	......	......	......	......	......	......	......	......	......	......	......	75.4	......	71.8	......	58.7	......	43.1	......	39.0	......	......	......

* Interpolated.

(WBO, Cleveland, 2-15-40—1200)

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., JANUARY 1940 NO. 1

GENERAL SUMMARY

The month was the coldest January of record. The State average temperature was 20.5°, or 12.1° below normal and 0.2° below the cold January of 1918. Only thirteen stations had higher means than in 1918; the others had means ranging from less than one degree to more than seven degrees below the means of 1918, the most pronounced departures occurring in the mountain regions. The severe cold of the 19th brought death by freezing to a negro near Taplan, Logan County, and brought on an epidemic of frozen plumbing, frozen water mains and stalled automobiles.

Precipitation averaged 1.44 inches or 2.21 inches below normal, making it the second driest January of record. It fell mostly as snow which averaged 14.5 inches or 6.5 inches above the normal and ranged from 5.0 inches at Wellsburg to 46.5 inches at Pickens No. 2. The average number of snow-lying days was 26. The warm period and rains of the 14-15th melted the snow at most of the stations except in the mountains. Snows on succeeding days renewed the snow cover which remained to the close of the month at most stations.

Navigation was suspended on the Ohio due to ice conditions on the 3d, and the river remained closed until the end of the month. The supply of potable water became so low, due to prolonged cold weather retarding the seepage of water into the subsoil, that in widely scattered communities the situation became acute.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 20.5°, or 12.1° below the normal. The mean for the northeastern panhandle division was 20.0°; for the northern division, 19.2°; and for the southern division, 22.2°. The highest monthly mean was 25.8° at Williamson and the lowest, 13.6° at Terra Alta. The highest temperature was 62° at Winfield Locks on the 14th and the lowest, −24° at Benson on the 19th. The greatest daily range was 49° at Seneca State Forest on the 29th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 103 stations, was 1.44 inches, or 2.21 inches below the normal. In the northeastern panhandle division the average was 1.41 inches; in the northern division, 1.42 inches; and in the southern division, 1.48 inches. The greatest monthly precipitation was 2.77 inches at Pickens No. 2 and the least, 0.70 inch at London Locks. The greatest amount in any 24 consecutive hours was 1.25 inches at Marlinton on the 14th. The average monthly snowfall was 14.5 inches, or 6.5 inches above the normal. The greatest monthly snowfall was 46.5 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																															
Fogs, dense							1	1	2	2	1	24	14	1									2								5
Gales	2	3			5	2							1	6	9	2	1	1	1	2	3	1			1						
Hail																															
Halos, lunar																				1		1	1						2		
Halos, solar																															
Sleet							5	2			1	1		4																	
Thunderstorms														5																	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.17	30.55	9	29.25	14	8.8	32	sw.	14	80	71	68	46
Columbus, Ohio	30.13	30.53	9	29.19	14	10.5	43	sw.	14	87	71	75	38
Elkins	30.12	30.59	10	29.46	14	6.8	27	se.	14	83	70	78	32
Parkersburg	30.14	30.55	9	29.32	14	6.7	25	nw.	5	90	67	69	28
Pittsburgh, Pa	30.10	30.53	9	29.36	14	12.2	34	sw.	15	89	71	76	26
Wytheville, Va	30.11	30.51	10	29.57	14	8.5	25	w.	17	84	70	74	46

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches)					Average no. of days			
				Average								
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7			3.24	4.23	3.24	3.64					
1892	29.4	76	−3	2.95	3.57	2.66	3.15		11			
1893	22.6	71	−25	2.26	2.87	2.02	2.49		12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41		9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48		13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	14	8
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	**1.37**	3.6	8	10	7	14
1932	**43.4**	82	7	3.18	5.15	4.79	4.82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	**8.50**	.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	16
1940	**20.5**	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
Period	32.6	83	−34	3.14	3.93	3.63	3.65	8.0	12	9	7	15

Climatological Data for January 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	14.3	−14.5	46	14	−10	§19	42	2.32	−2.18	0.46	24.0	11	7	4	20	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	20.3	−10.6	48	12	−9	§25	34	1.45	−.89	.85	6.0	3	19	0	12	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51	......	......	......	......	......	......	......	1.42	−1.29	.68	11.4	9	......	......	......	......	Miss Eleanor White
Inwood	Berkeley	569	8	20.3	......	37	§12	−1	29	34	2.06	......	1.00	12.0	6	14	8	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	21.2	......	40	15	0	18	35	1.38	......	.71	....	6	12	11	8	n.	University Exper. Station
Martinsburg	Berkeley	435	48	21.6	−9.4	40	14	3	20	25	1.28	−1.23	.60	10.4	9	15	10	6	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	18.0	−13.0	41	§13	−14	26	47	1.35	−1.03	.40	15.0	7	6	14	11	w.	R. E. Saville
Piedmont	Mineral	1,053	27	20.3	−10.6	40	14	−3	19	30	1.40	−1.18	.75	11.0	6	6	13	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	42	22.0	−9.5	42	§15	0	19	36	1.38	−1.01	.53	9.2	5	6	15	10	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8	......	......	......	......	......	......	......	1.16	......	.27	18.0	10	......	......	......	......	Moses R. Bennett
Stony River Dam	Grant	3,300	20	......	......	......	......	......	......	......	1.28	−1.53	.20	24.0	12	1	4	26	nw.	A. C. Becker
Wardensville	Hardy	1,200	19	20.8	−10.0	46	15	−10	26	48	1.19	−.94	.80	11.6	7	9	12	10	uw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16	......	......	......	......	......	......	......	1.27	−2.13	.33	11.4	13	4	8	19	......	L. Esle Bond
Alma (near)	Tyler	800	13		......	......	......	......	......	......	1.00	−1.66	.42	8.9	12	8	4	19	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	16.0	......	43	14	−12	19	34	2.12	......	.35	34.0	14	5	6	20	......	Christian Hertig
Benson	Harrison	1,080	16	18.4	−15.7	57	14	−24	19	36	1.55	−2.06	.30	20.2	14	9	9	13	......	R. D. Marts
Bens Run	Pleasants	652	38	20.5	−12.4	58	14	−8	18	27	1.40	−2.58	.49	8.5	8	18	4	9	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	22.4	−12.2	61	14	−14	19	35	1.23	−2.36	.24	10.4	14	4	11	16	......	M. D. Hawkins
Buckhannon	Upshur	1,411	43	18.4	−14.1	55	14	−14	19	34	1.98	−2.42	.50	19.0	13	6	8	17	......	H. A. Darnall
Cairo	Ritchie	680	39	20.9	−13.5	58	§13	−17	18	44	1.38	−2.57	.36	8.7	15	1	20	10	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	18.0	−14.6	60	14	−11	20	41	.95	−2.36	.32	14.0	10	3	1	27	w.	Clarksburg Water Board
Crawford	Lewis	1,107	17	......	......	......	......	......	......	......	1.01	−2.47	.20	12.2	14	4	6	21	nw.	George W. Blair
Creston	Wirt	640	38	19.5	−14.6	42	§14	−17	19	40	1.04	−2.89	.23	9.5	12	6	5	20	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19	......	......			......	......	......	.97	−2.22	.34	10.7	12	......	......	......	......	Lockmaster
Dam 13 O. R	Marshall	655	24	......	......	......	......	......	......	......	.85	−2.28	.34	7.4	11	......	......	......	......	Lockmaster
Dam 15 Mon. R	Marion	882	19	......	......	......	......	......	......	......	.99	−2.23	.40	10.5	10		......	......	......	Lockmaster
Dam 19 O. R	Wood	600	24	......	......	......	......	......	......	......	1.15	−2.26	.36	....	8	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	24	......	......	......	......	......	......	......	1.03	−2.59	.40	9.1	8	......		......	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28	......	......	......	......	......	......	......	1.59	−2.18	.40	13.0	9	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	39	18.8	−11.6	51	14	−7	19	34	1.44	−2.34	.34	24.6	16	2	4	25	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	19.1	−13.1	58	14	−7	19	36	1.44	−2.49	.33	15.4	15	6	6	19	w.	J. C. Robinson
Glenville	Gilmer	738	46	19.8	−14.0	58	14	−15	19	36	1.56	−2.87	.34	12.0	11	2	9	20	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	21.2	−11.4	59	15	−6	19	36	1.29	−2.28	.27	15.1	13	10	1	20	......	L. W. Clayton
Hastings	Wetzel	809	5	......	......	......	......	......	......	......	1.33	......	.48	7.8	14	11	6	14	w.	L. G. McIntyre
Horner	Lewis	1,044	17	......	......	......	......	......	......		2.25	−1.78	.30	....	18	......	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	17	......	......	......	......	......	......	......	1.02	−2.24	.27	12.1	12	......	......	......	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	19.6	−13.6	59	14	−19	19	41	1.34	−2.58	.40	14.2	12	7	5	19	w.	Allen Smith
Mannington	Marion	974	37	19.2	−12.7	57	14	−13	19	38	1.42	−2.70	.54	7.7	16	4	8	19	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	19.6	−12.7	56	14	−8	19	30	1.88	−1.58	.50	14.5	9	7	8	16	......	Bruce Davis
New Cumberland	Hancock	671	42	18.6	−10.0	51	14	−8	19	28	1.01	−1.83	.68	5.1	11	5	0	26	uw.	C. O. Valentine
New Martinsville	Wetzel	634	46	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Wm. Aukrom
Parkersburg	Wood	615	53	20.2	−12.3	54	14	−6	19	28	1.25	−2.33	.40	9.2	14	7	4	20	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	20.2	−14.3	51	14	−5	§19	43	2.13	−2.48	.78	21.5	11	5	5	21	......	J. W. Swisher
Philippi	Barbour	1,300	43	......	......	......	......	......	......	......	1.18	−2.96	.19	16.5	16	......	......	......	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	37	16.0	−14.9	49	13	−13	19	35	2.58	−3.74	.35	39.0	22	3	5	23	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17	......	......	......	......	......	......	......	.74	−2.86	.20	10.4	12	3	3	25	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52	......	......	......	......	......	......	......	1.25	−3.66	.36	12.1	12	......	......	......	......	W. H. Bolyard
Saint Marys	Pleasants	625	32	......	......		......	......	......	......	1.42	−2.32	.40	8.5	15	......	......	......	......	Edward Hughes
Terra Alta	Preston	2,559	39	13.6	−14.3	48	14	−11	§19	34	2.01	−2.87	.55	20.8	9	5	6	20	w.	John Dee Williston
Thomas	Tucker	3,000	11	......	......	......	......	......	......	......	1.17	−2.81	.32	19.0	8	......	......	......	......	W. Sleeman
Valley Chapel	Lewis	1,011	17	21.0	−14.1	57	§14	−16	19	39	1.20	−2.34	.27	14.7	15	6	8	17	w.	S. A. Spence
Vandalia	Lewis	1,120	17	......	......	......	......	......	......	......	....	......	...	11.0	..	......	......	......	......	James B. Kelley
Wellsburg (near)	Brooke	668	33	18.2	−12.0	53	14	−8	19	38	1.07	−1.98	.60	5.0	6	6	9	16	......	George P. Pfister
West Milford	Harrison	979	15	......	......	......	......	......	......	......	1.80	−1.27	.50	17.5	10	......	......	......	......	Scotland G. Highland
Weston	Lewis	1,026	45	22.0	−12.1	60	14	−6	19	31	1.65	−2.46	.25	12.6	18	......	......	......	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	18.8	−11.6	51	14	−7	§19	29	1.11	−1.93	.57	9.5	12	4	5	22	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14	......	......	......	......	......	......	......	2.24	−.57	.78	15.5	9	8	12	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	17.8	−15.6	52	14	−12	19	38	1.46	−2.21	.30	19.7	15	7	12	12	......	L. A. Mauck
Bluefield	Mercer	2,558	45	22.3	−12.6	51	14	−4	19	32	1.93	−1.08	.68	14.8	7	12	5	14	......	Norfolk & Western Ry.
Charleston	Kanawha	602	37	24.4	−13.5	60	14	−2	20	31	1.33	−2.70	.30	11.7	15	0	19	12	......	Charleston Daily Mail
Clay	Clay	790	24	......	......	......	......	......	......	......	1.87	−1.81	.26	13.7	16	......	......	......	......	L. E. Woofter
Flat Top	Mercer	3,260	2	......	......	......	......	......	......	......	......	......	......	......	..	......	......	......	......	U. S. Airway Station
Gary	McDowell	1,426	24	23.1	−12.0	60	14	−2	28	40	1.06	−2.39	.43	12.6	8	......	......	......	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	22.5	......	55	14	−7	19	34	1.21	......	.32	6.1	10	8	7	16	sw.	State Forest Nursery
Hinton	Summers	1,431	43	24.6	−9.9	55	14	−1	29	38	1.60	−1.66	.52	13.0	10	......	......	......	......	Mrs. M. L. McClung
Hogsett	Mason	564	24	......	......	......	......	......	......	......	1.65	−2.19	.56	....	15	......	......	......	......	Lockmaster
Huntington	Cabell	571	43	24.8	−9.2	57	14	−3	19	35	.99	−2.80	.32	7.9	10	5	8	18	w.	H. N. Robinson
Institute	Kanawha	616	2	23.8	......	59	14	−6	19	34	1.04	......	.28	8.5	10	......	......	......	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	21	......	......	......	......	......	......	......	1.00	−2.21	.35	....	6	......	......	......	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	24	......	......	......	......	......	......	......	1.05	−3.17	.35	13.0	12	......	......	......	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	21.2	−11.2	44	14	−4	19	27	1.58	−1.77	.43	11.8	11	6	10	15	......	J. K. Monroe
Logan	Logan	700	37	25.6	−13.4	60	14	−2	§19	37	.84	−3.58	.20	7.9	12	2	7	22	......	Paul A. Simonds
London Locks	Kanawha	623	4	24.8	......	60	14	3	§19	32	.70	......	.14	9.2	12	......	......	......	......	Lockmaster
Madison	Boone	675	19	22.4	−14.2	59	14	−7	19	30	.96	−3.14	.22	12.0	10	......	......	......	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	20.8	−7.2	43	12	−11	26	40	2.73	−1.47	1.25	16.7	7	5	13	13	......	Edward A. Moore
Point Pleasant	Mason	595	41	22.2	−11.9	55	14	−4	19	33	1.48	−2.47	.45	11.0	13	6	10	15	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	18.8	......	46	14	−12	29	46	1.78	......	.50	26.7	17	6	7	18	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	24.0	−11.4	56	14	−6	28	38	1.14	−2.46	.25	10.3	10	8	1	22	nw.	Lockmaster
Richwood	Nicholas	2,193	10	19.0	......	48	14	−8	28	44	1.86	......	.38	19.5	20	12	7	12	nw.	Cherry River Paper Co.
Ryan	Roane	700	37	19.4	−13.6	55	14	−21	19	43	1.18	−2.87	.26	8.9	16	7	5	19	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	18.2	......	41	§14	−21	26	49	1.90	......	.56	17.8	7	0	17	14	ne.	Supt., State Forest
Spencer	Roane	789	36	21.2	−12.5	56	14	−16	19	38	1.93	−2.08	.60	16.0	14	4	9	18	......	A. M. McKown
Sutton	Braxton	850	34	22.8	−11.5	58	§14	−6	19	42	2.24	−2.30	.40	21.5	14	......	......	......	......	C. B. Eakle
Union	Monroe	2,250	36	22.2	−11.1	48	14	−7	29	40	1.58	−1.57	.47	13.7	5	11	4	16	......	C. B. King
Wayne	Wayne	598	13	......	......	......	......	......	......	......	1.31	−2.45	.31	....	13	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	19.8	−12.3	40	14	−4	§19	34	1.39	−1.94	.35	11.5	5	12	5	14	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	40	25.8	−10.2	58	14	−2	20	37	1.08	−2.87	.26	10.2	14	6	11	14	se.	J. E. Dotson
Winfield Locks	Putnam	570	2	23.1	......	62	14	−6	19	35	1.52	......	.42	10.5	13	6	3	22	w.	Lockmaster
State averages and extremes				**20.5**	**−12.1**	**62**	**14**	**−24**	**19**	**49**	**1.44**	**−2.21**	**1.25**	**14.5**	**12**	**7**	**7**	**17**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for January 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		.30				.15		.07					.33		.40		.40	*	*	.46	T.	T.		.05	.12	T.	T.	.01			.03	2.32
Brandywine	do								.20						.85										.40								1.45
Brushy Run [2]	do								.06			T.	T.			.52		.06	.05	T.					.28								.97
Harpers Ferry [2]	do								.18	T.		T.	.02	.03	.03	.68		.06	.05	.11					.26								1.42
Inwood	do					T			.30			.06			1.00			.20		.10					.40								2.06
Kearneysville	do								.20			.03			.71			.17		.08					.19								1.38
Knobly Mountain [2]†	do		T.	T.		T.	T.	T.	.10	T.		.10	T.	T.	.45	.50		.03	.02		.10	T.	T.		.01	T.	T.	T.	T.	T.			1.31
Martinsburg [2]	do					T.			.20	.05			.10		.05	.60	T.	.10	.10	.03					.05								1.28
McNeill	do					T.	T.	T.				.10			.22		.40	.20		.05	T.			.10	.28								1.35
Petersburg	do					T.		T.	T.			.10			.35	T.		.55							.24								1.24
Piedmont	do	T.	T.			T.		.10				.07	T		.75			.33				T.		.12		.03							1.40
Romney	do							T.	.40			.07			.53			.20						T.	.18								1.38
Spruce Knob [2]†	do	T.				T.	.03	T.	.13	.04		T.			T.	.27	T.	.06	.16	.05					.27	.08		.07	T.		T.	T.	1.16
Stony River Dam [2]†	do				.05	.10	.12		.05			.16			.10			.07	.10			.06			.20		.15		.12				1.28
Wardensville	do								.08			.05			.80			.09		.03				.02	.12								1.19
Northern Division																																	
Aberdeen†	West Fork					.03		05	.08			.13	.06		.19	T.	.02	.33	.03	.15	T	T.		T.	.16	.01	T.	.03	T.				1.27
Alma (near)	Ohio	T.	T.			.04		T.	.02			.13	.05		.42	T.	.03	.17	.04	.04	T.	T.		.03	.02	T.	T.	.01					1.00
Alpena	Cheat	.10	.12			.05		.15	.16			T.	T.	T.	.14	T.	.20	.35	.30	.05	T.	T.	T.	.10	.20	.10	T.	.10	T.		T.		2.12
Belington [2]	Tygart	T.	.01	T.		.01	.03	T.	.05	.06	T.	.05	.12	.03	T.	.11	.01	.17	.23	.19	T.	.02	T.		.11	.11	.02	.03	.02	T.		T.	1.38
Benson †	West Fork					.08			.11			.18	.05		.28		.08	.30	.10	.10				.08	.08	.05	.03	.03					1.55
Bens Run	Ohio					.08						.18	.06		.49			T.	.40	.05				.05	.09								1.40
Brownsville †	West Fork		.13			.03						.15	.09		.21		.01	.24	.04	.10				.07	.05		.01	.07	.03				1.23
Buckhannon	Tygart		T.		T.	.03	T.	.10	.30			.16			.26	T.	.05	.50	.05	.30		T.		.03	.10	.05	T.	.05	T.				1.98
Cairo	Litl.Kanawha				.04			.03			.18	.10		.36	.11		.20	.03	.07	.03			.06	.08	.03	.03	.03						1.38
Clarksburg [2]	West Fork		T.			.03			.05			.11	.03	.02	T.	.32		.12	.12	.09					.06	T.	T.	T.					.95
Crawford	do				.02	.03		.10	.06			.16	.06		.07		T.	.20	.04	.12				.04	.08		.02	.01					1.01
Creston [2]	Litl.Kanawha				T.	.03		.04	T.		.16	.05	T.	.10	.23		T.	.06	.03	.12	T.				.12	T	.05	.05			T.		1.04
Dailey [2]†	Tygart	T.	T.	T.		T.	T.	T.	.16	.02	T.	.05	.09	.02	T.	.10	T.	.20	.07	.04		T.	T		.04	.02	T.	T	T.	T.		T.	.81
Dam 10, Mon. R. [2]†	Monongahela					.11	.03		T.	.02		T.	.07			.34	T.	.07	.12	.09		.02			.07	.02	.01	T.	T.				.97
Dam 13, O. R. [2]†	Ohio		T.			.08	T.		T.			.11	.04	.01		T.	.04	.07	.34	.03		.03			.09	.01	T.	T.	T.				.85
Dam 15, Mon. R. [2]†	Monongahela		T.			.04	.04		T.	T.		.03	.07	T.		.40	T.	.10	.12	.07		T.			.10	.02	T.	T.	T.				.99
Dam 19, O. R. [2]†	Ohio					T.	T.		.02			.23	.04	T.	.16	.36	T	.14	.03	T.	T.	T.			.17		T.	T.	T.				1.15
Dam 20, O. R. [2]†	do		T			T.			.02	T.		.40	.06	T.	.10	T.		.25	.02	.02	T.	T.			.16		T.	T.			T.		1.03
Elizabeth (Dam 3) [2]	Litl.Kanawha				.10			.07			.30	.20		.17			.20	.08	.07					.40									1.59
Elk †	West Fork								.20			.18	.18	.12	.28			.42	.08	.11					.12								1.69
Elkins [1]‡	Tygart	.02	T.	T.	T.	.06	T	.10	.06	T.		.18	.10	T.	.14	T.	.09	.29	.13	.03	T.	.01		.04	.13	.05	.01	T.	T.		T.		1.44
Fairmont [2]	Monongahela	.02			.08	.02	T.	.02	T.			.05		.10	.33	.04	.20	.12	.17		.02	T		.15	.10	.02		T.					1.44
Glenville [2]	Litl.Kanawha		T.		T.	.10			.16	.08		T	.06		.34	.15		.14	.09	.16	T.	T.			.18	.10	T.	T.					1.56
Grafton	Tygart					.05			.05	.08				.16	27			.17	.03	.17					.10	.05	.12	.02	.02				1.29
Hackers Creek †	West Fork							.16				.15	.10		.16		.06	.31		.16				.15									1.25
Hall [2]	Tygart		T.	T.		T.	T.	T.	.09	.06		.06	.13	.05	.02	.11	T.	.27	.21	.13	T.	T	T.		.10	.05	T.	T.	T.				1.28
Harrison Co. Airport	West Fork		T.	T.		.04	.02	T.	.11	T.		.15	T.		T.	.28	T.	.06	.12	.14	T.	.02	T.		.04	.02	T.	T.	T.				1.00
Hastings	Ohio		.02			.05			T.			.10	.07		.48	.20	.02	.20	.05	.02	.01	.02		T	.06		T.		.03				1.33
Horner	West Fork		.10	.05	.15	.10	.10	.20	.15	.05	.10	.20	.10		.25	.30	.05		.15		.05			.10	.05								2.25
Ireland	do	T.	T.		.01	.11		.16	.08			.26	.08		.03	.05	.01	.46	.01	.28	T	T		.02	.12	T.	.04	.06					1.78
Jackson's Mill†	do																																
Jane Lew	do					.01		.02	.06			.17	.06		.27	T.	.01	.27	.01	.02	T.				.04			.05					1.02
Kumbrabow St. For.† [2]	Tygart		.32		.02	07		.03	.21	T.		.16	.16		.15	.09	.02	.55	.08	.09		.07	.05	.05	.17	.10	.05	.03	.03		T.		2.50
Lost Creek	West Fork		T.		T.	.04		T.	.08	T.		.20	.04		.22		.07	.40	.06	.12	T.	.04		T.	.03	.04	T.	T.	T.				1.34
Mannington	Monongahela		T			.09	T.		.01			.13	.03		.54	.06	.01	.24	.06	.09	.01	T.		.04	.07	.01	.01	.02	T.				1.42
Midvale [2]†	Tygart		.04			.03	.02	T.	.10	.11		.09	.10	.07	.03		.01	.14	.19	.20	.01		T.		.13	.06	.01	.05	.01	T.		T.	1.40
Morgantown	Monongahela	T.	T.			.10	T.		T.			.50	.20		.30	T.	T.	.28	.06	.12	T.	T		.08	.24	T.	T.	T.	T.				1.88
Mt. Clare	West Fork		T.		T.	.02		.05	.05			.12	.04		.22	T.	.05	.28	.05	.11	.01			.04	.04	T.	.01	.01					1.10
New Cumberland	Ohio		T.			.04		.02				.03	.01		.68	.01	T.	.11	T		.02			.03	.05		.01						1.01
New Martinsville	do																																
Parkersburg [1]‡	do	T.	T.		T.	.01		.05	.01			.28	.01		.40	T.	.11	.07	.06	.01	.03	T.		.19	.01	T.	T.	.01			T.		1.25
Parsons	Cheat					T.		.08	.08			.15	.78		18	T.	T.	.33	.08					T.	.30	.05	.05	.05					2.13
Philippi [2]	Tygart		.03	T.		.02	T.	T.	.08	.06		.06	.10	.03	.01	.19	T.	.17	.15	.12	T.	T.	T.		.10	.03	.02	T.	.01	T.			1.18
Pickens	do	.10	.03		.05	.05		.20	.22	T.		.35	.17		.15	.08	.08	.23	.25	.02	.02	.04	.02	.12	.20	.15	.02	.03	T.		T	T.	2.58
Pickens No. 2	do		.12	.02		T.	.12		.24	.16		.13	.18	.08	T.	.16	.03	.39	.23	.22	.02	.10	T.		.20	20	.03	.07	.06			.01	2.77
Roanoke	West Fork	T				.01		T.	.04	T.		.20	.05		.19	.01	.01	.12	.01	.06		T.		.01	.03	T.	T.	T					.74
Rockford †	do					.04	T.	.02				.19	.07	.19	.32		.05	.26	.04	.09				.03	.07	.02	T.						1.39
Rowlesburg [2]	Cheat		.04	T.		T.	T		.05	.03		.03	.12	.06		.36	T.	.14	.18	.16		T.	T.		.05	.03	T.		T				1.25
Saint Marys [2]	Ohio					.04				.01	.01	.19	.06		.11	.40	.01	.18	.09	.10					.16		.01	.04		.01			1.42
Salem	West Fork		T.			T.		.10	T.			.15	.09		.47	T.	T.	.13	T.	.07	T.			T.	T.	T.	T.	.05					1.06
Shinnston	do		T.	.02		.03		.05	.04			.05			.50		.02	.15	.20					.15	T.	T.	T.	T.	T				1.21
Terra Alta [2]†	Cheat	.15				.20		.30				*	.45				T.	.55	.25						.08	.03	T.	T.					2.01
Thomas [2]	do		T.	T.		T.	.05		.15			.05	10			.32	T.	.12	.30	T.					T.	.08	T.					T	1.17
Valley Chapel	West Fork					.08	.04	.04	.09			.10	.05		.20		.03	.27	.03	.10				.08	.04	.02	.03						1.20
Valley Head [2]	Tygart	T.	.05	T.		T.	.02		20	.05	T.	T.	.05	T.	.05	.40	.01	.18	.10	.07		.06	T.		.25	.07	T.	.01	.03			T.	1.60
Vandalia †	West Fork											.42	.09																				‖‖
Wellsburg (near)	Ohio					.08						T.	.15		.60	T.	.07	.12							.05								1.07
West Milford	West Fork								.10		.05	.30	.24		.25			.50		.15				.10		.05	.06						1.80
Weston [2]	do		T.			.05	.02		.10	.04	T.	.10	.11	.04	.01	.23	T.	.16	.25	.19	T.	.05	T		.15	.05	.02	.05	.03				1.65
Wheeling (Dam 12) [2]	Ohio			T.		.04	T		T.	T		.01	.02	.02		.57	T.	.08	.06	.02		T			.08	.02	.09	.10	T.				1.11
Southern Division																																	
Arbovale [2]	Greenbrier		T.		.05	.10		T.	.50						.78	.01	T.	.20	T	.10				.40	.10		T.				T		2.24
Beckley	New	.08	.03		.06	T.		.04	.30			.05	.07		.21			T.	.10	.11	.02			.22	.08	.03	T.	T.			.06	T.	1.46
Bluefield	New				.10				.30			.03				.68				.12				.40	.30								1.93
Camden-on-Gauley [2]	Gauley					.07			.18	.07		.06	.08		.05	.05		.04	.06	.06					.39	.05	.04						1.20
Charleston [2]	Gr. Kanawha		.03			.08			.30	.03		.14	.04		T.	.05			.07	.21	.04				.21	.02	.03	.07			.01		1.33
Clay [2]	Elk	T	T.	T		.26	.14	.06	.04	.18		.08	.19	.04	.18	.03	T	T.	.05	.21	T.				.20	.04	T.				.01	.16	1.87
Flat Top [2]	New																																
Gary [2]	Big Sandy	T.			T.	.05			T.	.26		.05	.05		.09					.12				T.	T.	.43		T.			T.	.01	1.06
Greenbottom [2]†	Ohio				T.	.04			.17	T.		.31	.02	T		.32		T.	.04	.16					.12	.02	T.	.01			T	T.	1.21
Hinton [2]	New	T.	T.		T.	.05			.29	.03		.05	.06	.05	.19	.31			T.	.05				T.	.52	T.		T.					1.60
Hogsett [2]	Ohio					.01			.10			.32	.56	.02	.10	.31			.02	.03					.10	.02	.01	.01			.02	.02	1.65
Huntington	do	T.			.05	T.	T.	.11	.06			.23			.32			T.	.05	.03	.02		T.	.09	.03	T.	T.	T.			T.		.99
Institute [2]	Gr. Kanawha		.03	T.	T.	.07			.28	.06		.08	T	T	.02	.20			.08	.18	T	T.			.04	T.	T.	T.	T.		T	T.	1.04
Kanawha Falls [2]†	do	T	T.	T.	T	T.	T.		T.	.10	T.	.15		T.		T.			T.	.35					*	*	.40				T.		1.00
Kayford [2]	do	.02	T.			.05			.09	.10			.09			.14			.02		.14				.35	.03	T	.01			T.	.01	1.05
Lewisburg	Greenbrier	T.	T.		.05			.16	.24			.05	.07		.43				.01	.05	T	T.		.23	.27	.02	T	T.	T.				1.58
Logan [2]	Guyandot	T.	T.		.02	.06			.18	.04	T.	.08	.01	T.	.09	.03		T.	.01	.10	T.	T.		T.	.20	.02	T.	T.			T.	T.	.84
London Locks [2]†	Gr. Kanawha	T.				.12			.03	.05		.10	.04	.02	.06	.04			.03	.05	T.				.14	T.	T	.02			T.		.70
Madison [2]	Coal	.04				.05			.22	.04		.12	.01			.08				.19					.20			.01					.96
Marlinton	Greenbrier				.32			.10	.40			.10			1.25		.06								.50								2.73
Point Pleasant [2]	Ohio				T.	T.			.10	.02		.45	.08	.03	.17	.25		T	.04	.07		.02			.18	T	T.	.04	T.		.03		1.48
Rainelle	Greenbrier	.04	.03		.05		T.	.11	.21	T.	.01	.12	.05	T	.50	T.	T.	T	.06	.08		.01		.20	.22	.03	.02	.04	T.		T.		1.78
Ravenswood [2]	Ohio				.02				.18		.24	.10	.01	09	.25			.05		.07					.13								1.14

Continued on next page.

Daily Precipitation for January 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	.06	....	....	.08	....	....	.10	.15	.04	.06	.08	.04	.03	.38		.08	.12	.12	.03	.04	....	....	.24	.08	.06	.04	.03	....	....	....	....	1.86
Ryan	Gr. Kanawha	....	....	....	.02	.07	....	.10	.06	....	....	.20	.03	....	.26	....	.01	.05	.03	.12	.01	....	....	.15	.05	.01	....	.01	....	....	....	....	1.18
Seneca State Forest†	Greenbrier	....	....	....	.20	....	....	.35	.26	....	....	....	....	....	.56	....	....	.08	....	....	....	....	....	.36	.09	....	....	....	....	....	....	....	1.90
Spencer [2]	Litl.Kanawha	....	T.	....	....	.05	T.	....	.20	T.	....	T.	.60	.04	.15	.10	....	.12	.15	.10	....	....	....	....	.20	.08	.02	.06	....	....	.06	....	1.93
Sutton	Elk	....	....	....	.06	.10	....	.20	.30	....	....	.30	T.	.10	.10	....	T.	.40	.05	.08	T.	....	....	.10	.30	.05	.10	T.	....	....	....	....	2.24
Thornwood [2]	Greenbrier	....	....	....	.24	....	....	.34	....	....	.10	....	....	.40	....	....	.07	.12	.07	....	....	....	....	....	.22	....	....	....	....	....	....	....	1.56
Union	New	....	....	....	....	....	....	....	....	.30	.40	....	.07	....	....	.47	....	....	....	....	....	....	....	....	.34	....	....	....	....	....	....	....	1.58
Wayne [2]	Twelvepole	....	.02	....	.03	.04	....	....	.23	.02	....	.18	....	....	.15	.31	....	....	.03	.10	.02	....	....	....	.17	....	....	....	....	....	.01	....	1.31
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	....	....	....	.30	....	....	....	....	....	.35	.30	....	....	....	.10	....	....	....	....	.34	....	....	....	....	....	....	....	....	1.39
Williamson [2]	Big Sandy	T.	.03	....	.04	.07	....	....	.20	.07	....	.09	03	.01	.07	.03	....	....	.02	.15	....	....	....	T.	.26	T.	....	....	....	....	T.	.01	1.08
Winfield Locks [2]†	Gr. Kanawha	....	....	....	....	.05	....	....	.16	.08	....	.21	.06	.01	.11	.32	....	.01	.02	.32	....	....	....	....	.15	T.	T.	T.	....	....	.02	....	1.52

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.

T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for January 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	11	11	15	27	22	14	29	29	30	18	40	40	36	46	24	26	28	18	8	9	13	25	20	20	10	7	10	17	36	35	32	22.8
	Minimum	2	5	6	6	2	2	0	2	15	−4	−2	15	30	23	24	16	15	7	−10	−10	−5	8	8	13	5	−1	−1	0	5	3	1	5.8
Beckley	Maximum	21	20	25	27	26	25	27	22	27	37	36	41	44	52	49	33	38	22	17	14	25	28	23	22	18	10	15	20	31	28	29	27.5
	Minimum	6	1	2	0	15	2	−3	12	15	10	24	28	24	29	19	15	18	11	−12	−8	5	4	8	12	0	−4	−7	−2	−7	15	18	8.1
Bluefield	Maximum	29	20	24	29	30	24	30	28	28	37	39	43	42	51	42	33	40	37	21	11	28	32	30	20	19	14	10	20	33	35	30	29.3
	Minimum	14	9	8	15	18	9	11	21	21	14	32	32	35	31	24	20	30	21	−4	2	10	10	18	18	7	4	0	−1	1	21	24	15.3
Brandywine	Maximum	24	21	27	25	25	21	21	26	27	35	36	48	47	37	34	30	28	31	31	22	30	30	31	27	25	22	25	30	31	30	32	29.3
	Minimum	5	6	12	4	17	8	2	19	9	8	27	30	27	34	30	22	24	15	−1	3	10	11	20	12	−9	−9	−6	−4	6	10	7	11.3
Buckhannon	Maximum	17	25	17	25	25	18	31	30	27	28	38	38	48	55	50	27	27	25	20	20	17	22	27	28	20	9	12	17	27	32	30	26.8
	Minimum	2	9	8	0	9	6	0	25	18	5	25	30	28	38	23	18	12	7	−14	−4	8	11	0	18	6	1	1	7	−7	8	11	10.0
Cairo	Maximum	19	21	27	27	26	28	31	31	36	38	39	42	58	58	35	25	20	16	15	20	31	33	30	26	12	19	25	37	38	38	37	30.3
	Minimum	10	4	−2	14	9	−2	25	9	10	28	33	33	31	27	20	17	10	−17	0	14	5	6	23	10	7	7	−4	−7	15	10	10	11.5
Charleston [3]	Maximum	22	24	27	34	30	30	33	34	35	40	42	44	55	60	37	41	41	23	10	19	23	34	34	28	13	14	21	21	36	38	44	31.8
	Minimum	17	15	11	11	19	14	14	14	25	23	25	35	38	37	32	26	25	18	−2	−2	11	16	18	18	11	9	8	0	6	7	27	17.0
Clarksburg [3]	Maximum	15	16	18	29	29	21	32	33	34	30	39	41	54	60	30	22	19	18	7	15	26	28	29	26	11	11	16	20	33	37	35	26.7
	Minimum	2	2	11	0	4	10	0	12	21	9	9	30	32	32	30	19	16	9	−9	11	2	14	4	14	11	6	6	7	−7	−4	6	9.3
Elkins	Maximum	15	14	20	27	26	19	35	31	29	32	39	40	46	51	33	28	32	21	6	12	19	30	28	22	12	8	12	19	33	36	31	26.0
	Minimum	6	10	9	7	6	7	6	21	9	8	27	32	28	33	25	20	13	4	−7	−3	10	15	8	12	5	3	3	8	−1	12	20	11.5
Fairmont [3]	Maximum	17	19	21	27	27	23	31	31	27	31	39	39	53	58	29	23	19	23	10	14	19	33	27	26	16	12	18	24	33	38	37	27.2
	Minimum	3	4	11	2	4	10	13	14	21	11	11	30	32	31	29	19	13	12	−7	−6	2	13	9	15	10	6	6	7	2	2	11	11.0
Flat Top	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Gary [3]	Maximum	22	25	28	32	31	31	36	35	29	42	44	43	53	60	37	39	44	27	13	19	31	37	31	26	20	19	18	21	39	33	37	32.3
	Minimum	18	13	7	9	13	14	11	28	26	8	9	33	29	29	29	21	21	26	−1	−1	5	10	9	23	12	7	5	−2	−1	−1	23	13 9
Glenville	Maximum	24	18	17	27	26	35	26	29	29	26	38	37	42	58	57	32	27	20	14	14	21	28	29	23	24	10	18	25	29	34	33	28.3
	Minimum	1	11	9	1	11	10	0	21	16	11	11	32	32	31	26	20	18	9	−15	−1	12	13	4	22	9	5	5	4	−7	13	12	11.2
Grafton	Maximum	24	18	21	25	28	20	36	39	30	32	40	41	55	58	59	31	25	19	20	12	18	30	30	30	26	14	16	22	32	37	39	29.9
	Minimum	1	12	10	−1	14	9	9	28	19	7	28	33	28	34	26	19	12	8	−6	−1	10	14	5	20	10	5	6	11	−4	11	7	12.4
Huntington	Maximum	22	24	28	33	31	29	28	33	35	38	43	44	44	57	38	35	34	24	14	19	28	37	30	30	23	17	23	28	40	35	42	31.8
	Minimum	17	12	9	16	17	11	13	26	21	22	33	37	35	38	30	23	24	14	−3	4	11	16	20	23	8	7	8	3	5	29	25	17.9
Lewisburg	Maximum	20	21	25	23	28	26	26	32	29	33	34	40	37	44	41	33	39	25	21	14	27	35	28	25	21	15	19	25	29	35	30	28.4
	Minimum	12	8	10	12	13	8	6	19	17	6	27	31	29	33	26	21	22	19	−4	1	12	13	18	19	8	1	2	5	5	15	24	14.1
Logan [3]	Maximum	24	28	31	33	28	29	40	35	32	40	46	45	58	60	40	42	43	25	16	21	31	28	31	28	15	18	22	29	37	37	40	33.3
	Minimum	20	16	12	12	22	15	14	24	28	21	21	39	38	38	32	27	28	23	−2	−2	9	14	14	24	13	9	9	0	0	4	29	17.8
Madison [3]	Maximum	23	24	27	31	28	23	32	36	36	36	44	44	55	59	36	40	43	23	9	19	16	32	34	33	14	9	20	15	25	29	39	30.1
	Minimum	18	14	9	11	17	10	9	22	23	15	16	36	32	34	31	25	26	20	−7	−6	8	13	13	21	10	8	7	−2	−4	−1	25	14.6
Mannington	Maximum	19	17	17	25	27	22	29	30	29	31	38	39	48	57	48	29	23	19	14	13	17	27	28	26	25	12	18	20	30	35	34	27.3
	Minimum	−4	13	11	−7	11	9	−3	26	21	5	28	33	33	37	26	19	12	10	−13	2	12	13	1	21	10	6	7	12	−8	8	1	11.2
Marlinton	Maximum	24	21	37	24	28	25	27	35	34	36	35	43	42	38	40	32	39	29	25	20	29	36	30	29	25	20	16	31	32	39	33	30.8
	Minimum	9	5	9	4	18	6	−1	15	16	3	26	30	26	32	25	21	24	14	−7	0	9	7	8	20	9	−11	−6	−9	8	5	24	10.9
Martinsburg [3]	Maximum	22	27	27	32	34	34	28	28	28	31	35	36	38	40	37	33	20	26	11	21	27	35	27	35	25	19	23	25	30	31	39	29.2
	Minimum	13	15	14	16	12	12	14	18	15	9	11	25	28	30	24	25	15	8	5	3	7	20	15	19	17	6	9	10	5	7	9	14.1
Morgantown	Maximum	21	14	17	25	26	20	31	30	29	32	40	40	44	56	53	29	21	16	13	11	16	27	25	24	24	18	16	20	32	34	34	27.0
	Minimum	3	10	8	3	8	8	12	25	18	11	20	32	27	39	23	18	10	9	−8	−3	10	12	9	19	8	9	5	10	2	15	9	12.3
New Cumberland	Maximum	17	16	14	22	25	21	24	25	25	31	38	40	45	51	44	27	19	15	8	14	17	19	24	25	23	12	19	18	30	32	31	24.9
	Minimum	8	11	11	2	7	6	11	22	8	12	29	35	30	35	26	17	11	3	−8	0	12	13	6	21	8	4	6	9	2	13	9	12.2
New Martinsville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Parkersburg	Maximum	18	18	21	27	28	25	27	30	31	32	39	40	44	54	34	26	20	16	8	17	22	31	26	26	17	13	21	24	32	34	35	27.0
	Minimum	6	10	7	2	11	8	6	25	14	17	29	35	34	34	26	18	15	2	−6	0	12	13	14	17	7	6	8	6	4	23	15	13.5
Pickens	Maximum	17	8	16	25	20	17	35	28	25	35	37	37	49	47	35	29	26	20	11	6	17	28	24	26	23	16	10	17	33	35	28	25.2
	Minimum	4	5	3	5	3	2	2	3	6	6	27	30	23	30	21	15	10	−3	−13	−8	5	5	3	10	0	−3	−3	0	−2	12	12	6.8
Point Pleasant	Maximum	21	20	24	30	29	28	23	34	35	34	38	40	42	55	40	35	28	24	13	15	24	30	29	27	25	18	23	25	35	35	39	29.6
	Minimum	9	9	7	10	16	10	8	15	11	19	31	34	34	36	29	21	23	13	−4	−2	9	13	15	23	9	6	9	−2	2	25	25	14.9
Rainelle	Maximum	20	19	24	26	26	23	25	29	27	35	34	38	38	46	37	30	33	21	20	13	27	33	27	31	20	12	12	23	34	33	29	27.3
	Minimum	6	8	8	−2	11	7	−5	20	20	0	29	31	28	32	24	17	20	14	−7	−2	6	1	6	17	6	1	0	−3	−12	13	23	10.2
Ravenswood	Maximum	29	23	24	29	34	28	34	32	37	36	40	41	48	56	50	39	30	22	40	18	26	34	38	33	32	18	22	28	36	36	40	33.3
	Minimum	3	10	9	5	12	11	5	24	8	16	30	34	33	41	28	21	19	12	9	1	11	14	12	21	8	7	8	6	−2	21	17	14.6
Richwood [3]	Maximum	28	16	26	28	28	26	30	31	32	38	38	40	41	48	30	31	33	22	16	13	22	31	29	23	22	10	11	21	38	35	30	28.0
	Minimum	9	8	2	9	8	0	14	21	8	9	31	28	35	25	22	21	12	−4	−7	−1	7	6	18	8	2	1	1	−8	−6	19	11	10.0
Romney	Maximum	21	21	24	29	32	25	28	28	35	33	31	37	38	41	42	31	27	26	23	18	24	33	34	32	28	16	20	24	38	33	42	29.5
	Minimum	10	14	16	11	12	12	9	22	17	7	24	28	32	35	31	25	14	1	0	4	12	20	15	21	15	8	8	13	2	9	7	14.6
Spencer [3]	Maximum	18	18	23	30	22	28	31	31	35	35	39	41	47	56	35	27	26	19	13	16	23	33	29	27	12	11	19	25	34	38	37	28.3
	Minimum	6	12	6	4	21	11	4	24	13	15	30	35	34	40	29	21	22	13	−16	0	13	12	9	22	10	6	6	−2	−4	20	20	14 1
Sutton	Maximum	25	19	22	30	30	25	27	32	32	35	38	39	50	58	58	36	27	21	19	15	23	32	32	29	25	12	16	23	38	38	36	30.4
	Minimum	13	14	12	4	16	12	3	25	20	12	27	34	32	37	34	23	20	11	−6	−1	14	15	9	23	11	6	6	10	−4	16	19	15.1
Wardensville [3]	Maximum	24	23	25	29	34	28	28	30	31	38	38	41	37	42	46	35	29	28	24	22	28	35	33	32	28	18	20	26	39	34	39	31.1
	Minimum	0	14	15	−2	14	13	4	20	14	2	22	29	32	33	31	25	14	−1	−3	−6	15	19	7	19	14	−10	−5	6	−9	3	1	10.6
Weston	Maximum	20	18	23	30	29	22	30	31	31	32	40	40	50	60	56	31	24	20	19	15	21	28	28	28	25	15	16	20	35	35	38	29.4
	Minimum	8	12	11	2	19	10	1	26	20	10	29	29	38	34	30	21	15	10	−6	0	13	14	15	22	10	6	7	11	4	18	11	14.5
Wheeling [3]	Maximum	19	15	19	23	23	24	29	29	29	33	40	40	50	54	33	22	19	15	7	19	19	26	29	29	13	13	22	23	31	34	34	26.3
	Minimum	8	9	11	4	8	9	8	16	21	13	15	26	33	33	30	18	13	5	−7	−7	4	13	8	12	9	7	8	10	3	5	8	11.4
Williamson [3]	Maximum	24	29	32	34	30	35	34	34	31	38	43	44	54	58	40	43	44	26	15	22	32	40	35	29	16	21	27	30	38	36	42	34.1
	Minimum	20	16	11	11	22	11	15	24	27	20	22	36	35	35	32	27	28	25	−1	−2	9	14	14	24	13	9	9	0	1	4	27	17.4

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 2-26-40—900)

51.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., FEBRUARY 1940 No. 2

GENERAL SUMMARY

February was very nearly normal in temperature. Fourteen stations reported readings of zero or lower at some time during the month. No station in the northeastern panhandle division reported a reading as low as zero. Precipitation averaged somewhat above normal, falling mostly as snow. Light rains and warmer weather caused a breakup of the ice-bound condition in the Ohio River beginning on the 6th in the lower reaches, and succeeded in restoring navigation on the 12th. The ice, while moving out, destroyed the ferry at Longbottom, 25 miles below Parkersburg, and crushed several small boats near Parkersburg. On the 13th and 14th a heavy snow blocked the highways in Ohio, Mason, Wood, Randolph and Monongalia Counties to such an extent that school buses were unable to get through, necessitating the closing of schools in those counties for several days. There were frequent short periods with snow on the ground in the southern counties, while in the northern districts snow covered the ground most of the month. Stony River Dam, Spruce Knob, and Alpena had snow covers every day in the month. The slow melting of the snow favored the retention of water by the soil and was very helpful in increasing soil moisture and farm water supply.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 60 stations, was 33.5°, or 0.1° above the normal. The mean for the northeastern panhandle division was 33.3°; for the northern division, 32.4°; and for the southern division, 34.5°. The highest monthly mean was 37.5° at Brownsville and the lowest, 26.6° at Terra Alta. The highest temperature was 73° at Brownsville on the 12th and the lowest, −6° at Pickens on the 26th. The greatest daily range was 66° at Seneca State Forest on the 8th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 105 stations, was 3.84 inches, or 0.66 inch above the normal. In the northeastern panhandle division the average was 2.47 inches; in the northern division, 4.20 inches; and in the southern division, 3.85 inches. The greatest monthly precipitation was 7.36 inches at Pickens No. 2, and the least, 0.95 inch at Brandywine. The greatest amount in any 24 consecutive hours was 1.62 inches at Dam 15, M. R., on the 14th. The average monthly snowfall was 12.5 inches, or 4.1 inches above normal. The greatest monthly snowfall was 41.5 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	4	..	..	1	6	5	5	1	4	10	1	..	..	..	5	11	2	..	5	3	2	..	..	..	..	..	1	6	3	..	..
Gales	1	2	1	..	..	1	..	..	..	1	..	1	..	4	2	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	1	..	..	..	1	1	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	1	2	..	..	1	1	5	2	..	..	3	..	3	..	..	..	1	9	1	..	1	..	..	..	..	..	2	1	4	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.04	30.52	2	29.43	6	8.3	21	nw.	14	85	72	78	32
Columbus, Ohio	30.02	30.47	23	29.36	6	9.6	30	n.	2	87	74	78	33
Elkins	30.01	30.52	16	29.29	14	6.6	31	se.	18	87	72	78	35
Parkersburg	30.02	30.50	23	29.33	10	6.4	25	nw.	14	84	70	74	27
Pittsburgh, Pa	30.00	30.50	16	29.30	14	10.9	31	w.	6	86	74	77	30
Wytheville, Va	29.98	30.43	23	29.30	14	8.0	31	nw.	14	81	61	70	31

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	......	......	2.09	5.23	5.79	5.39	......	......	......	......	......
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	......	......	......
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	......	......	......
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	−35	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	.86	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
Period	33.4	86	−35	2.45	3.29	3.27	3.18	8.4	10	9	6	13

Climatological Data for February 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	27.2	−2.4	57	12	2	16	42	3.03	−0.47	0.53	13.0	12	9	6	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	34.6	−.1	61	12	7	§1	38	.95	−.81	.35	5.0	4	19	0	10	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51	....	....	....	....	....	....	....	3.25	+.99	1.41	3.0	11	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	8	33.0	....	48	§12	11	26	30	2.76	....	1.00	5.1	6	10	6	13	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	34.2	....	57	12	13	3	26	2.93	....	1.04	....	9	8	13	8	n.	University Exper. Station
Martinsburg	Berkeley	435	48	34.2	+2.8	58	12	9	1	32	3.01	+.61	.95	8.0	9	19	3	7	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	33.4	+1.1	66	§13	2	1	41	1.99	−.14	.60	5.0	7	8	5	16	w.	R. E. Saville
Piedmont	Mineral	1,053	27	32.4	−1.4	63	12	13	2	35	2.02	−.22	.50	7.0	12	8	7	14	w.	C. A. Suter, Jr.
Romney	Hampshire	824	42	34.8	+.6	66	12	7	2	40	2.26	+.36	.83	6.8	6	10	5	14	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8	....	....	....	....	....	....	....	2.77	....	.49	26.0	15	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	20	....	....	....	....	....	....	....	3.44	+.59	.70	25.0	9	7	3	19	w.	A. C. Becker
Wardensville	Hardy	1,200	19	35.0	+1.2	66	12	6	1	44	2.05	+.34	1.02	5.2	7	5	11	13	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16	....	....	....	....	....	....	....	4.15	+1.05	1.30	6.3	16	4	6	19	....	L. Esle Bond
Alma (near)	Tyler	800	13	....	....	....	....	....	....	....	3.97	+1.71	.98	14.7	15	8	4	17	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	27.8	....	55	9	−3	16	45	4.17	....	.80	33.0	14	8	6	15	....	Christian Hertig
Benson	Harrison	1,080	16	33.3	−4.7	66	§10	−5	15	52	4.35	+.64	1.40	15.5	16	4	11	14	....	R. D. Marts
Bens Run	Pleasants	652	38	33.5	+.7	66	10	7	15	35	4.63	+1.52	.96	12.0	11	17	3	9	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	37.5	−.1	73	12	2	15	50	4.40	+1.33	1.27	14.0	17	3	12	14	....	M. D. Hawkins
Buckhannon	Upshur	1,411	43	30.9	−2.2	60	10	4	16	34	4.68	+.92	1.16	9.5	16	9	8	12	....	H. A. Darnall
Cairo	Ritchie	680	39	34.8	+.6	69	10	2	14	40	3.95	+.98	1.25	9.5	16	4	16	9	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	30.9	−3.7	65	10	5	§15	40	4.05	+1.01	1.56	15.3	13	4	4	21	w.	Clarksburg Water Board
Crawford	Lewis	1,107	17	....	....	....	....	....	....	....	3.95	+.63	.86	11.5	17	3	8	18	w.	George W. Blair
Creston	Wirt	640	38	34.4	−.3	63	§11	1	15	47	5.04	+1.85	1.30	8.3	16	8	3	18	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19	....	....	....	....	....	....	....	3.33	+.46	1.19	9.2	15	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	24	....	....	....	....	....	....	....	4.14	+1.71	.86	18.9	17	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	19	....	....	....	....	....	....	....	4.13	+1.14	1.62	8.0	13	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	24	....	....	....	....	....	....	....	4.25	+1.68	.76	10.0	17	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	24	....	....	....	....	....	....	....	3.94	+1.18	.83	....	15	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28	....	....	....	....	....	....	....	3.47	+.61	.76	....	12	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	39	31.8	+.2	60	12	3	26	34	4.55	+1.35	1.07	18.5	17	3	5	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	31.5	−1.6	65	10	8	§15	39	3.09	+.07	.80	18.6	14	9	3	17	w.	J. C. Robinson
Glenville	Gilmer	738	46	33.4	−1.2	61	10	1	15	37	5.62	+2.05	.84	6.2	14	4	11	14	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	34.8	+2.2	68	10	7	§16	43	3.89	+.98	1.55	7.8	13	12	1	16	....	L. W. Clayton
Hastings	Wetzel	809	5	....	....	....	....	....	....	....	4.45	....	1.37	15.4	19	8	6	15	w.	L. G. McIntyre
Horner	Lewis	1,044	17	....	....	....	....	....	....	....	3.67	+.02	1.25	....	11	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	17	....	....	....	....	....	....	....	4.09	+1.32	.95	6.2	18	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	33.8	+1.1	67	10	0	§15	40	4.59	+1.51	1.30	11.0	13	3	8	18	w.	Allen Smith
Mannington	Marion	974	37	32.2	−.6	59	§10	−5	15	38	4.50	+1.60	1.29	23.4	19	6	7	16	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	31.4	−1.4	65	10	6	16	35	3.03	+.47	.83	8.0	8	9	8	12	....	Bruce Davis
New Cumberland	Hancock	671	42	30.4	+1.3	52	12	6	16	30	4.08	+1.64	1.10	13.7	15	8	0	21	nw.	C. O. Valentine
New Martinsville	Wetzel	634	46	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Wm. Ankrom
Parkersburg	Wood	615	53	33.6	−.7	65	10	10	3	28	3.76	+.53	.75	13.7	14	5	7	17	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	33.4	+1.7	63	10	3	26	49	5.33	+1.81	....	18.0	12	6	5	18	....	J. W. Swisher
Philippi	Barbour	1,300	43	....	....	....	....	....	....	....	4.15	+.97	1.19	14.6	16	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	37	30.0	−1.9	57	§10	−6	26	40	6.52	+1.43	1.52	37.2	18	6	6	17	sw.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17	....	....	....	....	....	....	....	4.20	+.82	.99	11.5	17	6	3	20	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52	....	....	....	....	....	....	....	3.75	+.10	.85	....	14	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	32	....	....	....	....	....	....	....	5.23	+2.30	1.02	11.8	18	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	39	26.6	−2.2	60	10	−1	16	43	3.55	−.04	1.04	29.5	9	6	8	15	w.	John Dee Williston
Thomas	Tucker	3,000	11	....	....	....	....	....	....	....	3.78	+.22	.62	33.5	13	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	17	36.1	−2.4	69	11	4	15	39	4.67	+1.60	1.26	12.5	16	6	9	14	w.	S. A. Spence
Vandalia	Lewis	1,120	17	....	....	....	....	....	....	....	4.19	+1.17	.82	8.0	13	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	33	30.8	+.8	58	12	−2	16	47	4.21	+2.02	.83	19.0	12	5	6	18	....	George P. Pfister
West Milford	Harrison	979	15	....	....	....	....	....	....	....	5.05	+1.72	1.50	10.0	16	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	45	35.3	+1.4	64	10	9	16	49	3.36	−.24	.64	8.7	17	3	7	19	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	30.0	−2.1	57	12	7	16	40	4.07	+1.78	.91	25.5	14	6	5	18	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14	....	....	....	....	....	....	....	2.37	−.50	.58	8.5	9	8	7	14	n.	H. S. Sutton
Beckley	Raleigh	2,440	37	30.4	−4.3	61	6	−2	3	40	3.68	+.73	.58	16.3	18	4	7	18	....	L. A. Mauck
Bluefield	Mercer	2,558	45	35.4	+.6	62	6	7	3	38	3.56	+.63	1.60	3.4	11	9	5	15	....	Norfolk & Western Ry.
Charleston	Kanawha	602	37	37.2	−2.0	69	10	12	§3	45	4.72	+1.41	1.16	5.7	15	5	7	17	....	Charleston Daily Mail
Clay	Clay	790	24	....	....	....	....	....	....	....	4.65	+1.39	.73	12.6	17	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,260	2	30.6	....	54	§6	7	26	29	3.22	....	.80	8.0	12	....	....	....	....	U. S. Airway Station
Gary	McDowell	1,426	24	34.9	−3.0	66	10	4	3	40	2.78	−.36	.47	....	12	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	33.6	....	69	10	5	15	35	4.66	....	1.26	9.0	16	3	7	19	sw.	State Forest Nursery
Hinton	Summers	1,431	43	36.7	+1.2	68	12	7	3	44	2.56	−.33	.58	1.5	14	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	24	....	....	....	....	....	....	....	4.48	+1.55	.70	....	12	....	....	....	....	Lockmaster
Huntington	Cabell	571	43	37.2	+2.5	68	10	9	15	32	4.69	+1.61	.94	8.2	13	5	10	14	nw.	H. N. Robinson
Institute	Kanawha	616	2	35.8	....	71	10	6	15	40	4.02	....	1.15	5.2	13	....	....	....	....	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	21	....	....	....	....	....	....	....	3.35	+.71	.55	....	14	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	24	....	....	....	....	....	....	....	3.82	+.38	.73	20.0	16	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	33.8	+.5	60	12	7	3	38	1.93	−.86	.50	....	12	9	4	16	....	J. K. Monroe
Logan	Logan	700	37	36.8	−2.7	70	10	8	3	37	4.24	+.74	.90	6.2	14	7	3	19	....	Paul A. Simonds
London Locks	Kanawha	623	4	35.7	....	68	6	7	3	38	3.49	....	.64	5.0	16	....	....	....	....	Lockmaster
Madison	Boone	675	19	34.4	+.8	70	10	−2	3	39	4.60	+1.37	1.10	....	12	....	....	....	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	32.8	+1.0	61	12	4	1	42	2.47	−.83	.69	5.5	10	1	12	16	w.	Edward A. Moore
Point Pleasant	Mason	595	41	35.6	+2.2	67	10	5	16	35	5.43	+2.28	1.21	10.3	18	5	9	15	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	31.6	....	62	10	0	3	44	4.05	....	.70	18.0	19	8	2	19	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	35.6	−3.2	71	10	4	15	36	4.36	+1.39	.80	10.0	12	6	2	21	nw.	Lockmaster
Richwood	Nicholas	2,193	10	31.3	....	59	12	−1	2	38	5.82	....	.80	19.5	20	8	7	14	nw.	Cherry River Paper Co.
Ryan	Roane	700	37	34.4	+.1	72	10	−5	15	55	4.52	+1.24	1.07	6.3	14	7	6	16	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	31.4	....	70	13	−4	1	66	2.39	....	.66	13.0	8	8	7	14	sw.	Supt., State Forest
Spencer	Roane	789	36	34.0	−1.2	68	10	3	15	38	5.08	+1.93	.82	12.0	17	3	8	18	....	A. M. McKown
Sutton	Braxton	850	34	36.0	−.1	66	§10	5	3	35	3.84	+.40	.85	14.0	11		....	....	....	C. B. Eakle
Union	Monroe	2,250	36	35.4	+.2	60	§12	5	§1	41	2.58	−.27	.80	....	10	9	6	14	....	C. B. King
Wayne	Wayne	598	13	....	....	....	....	....	....	....	5.09	+2.17	1.29	7.5	16	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	31.9	−3.6	57	9	4	1	38	2.60	−.03	.65	....	10	9	2	18	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	40	36.8	−.6	70	10	10	3	38	3.83	+.53	1.04	4.6	15	3	9	17	nw.	J. E. Dotson
Winfield Locks	Putnam	570	2	35.0	....	70	10	10	16	37	4.63	....	1.11	3.4	16	6	7	16	nw.	Lockmaster
State averages and extremes		....	....	33.5	+.1	73	12	−6	26	66	3.84	+.66	1.62	12.5	14	7	6	16	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of missing days; for example, a one day, b two days etc. § Also on other dates.

Daily Precipitation for February 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		T.	.15			.21				.40	.23			.50	.16				.46	.22					.01	.06		.53	.10			3.03
Brandywine	do		T.				.10				.35				.20					.30								T.	T.				.95
Brushy Run[2]	do		T.				T.	.06			.23	.22			.27					.52	.03	.12							.06				1.51
Harpers Ferry[2]	do		T.				.02	.25			.27	.26			.40	.17				1.41	.11	.22				.05			.09				3.25
Inwood	do		T.				.50				.60			T.	1.00				.40			.20			T.			.06					2.76
Kearneysville	do						.25				.58	.02			.68				.02	1.04	.15	.07						.12					2.93
Knobly Mountain[2]†	do		T.	T.			.25	.26	T.		.45	.18			.45	.10			T.	.58	T.	.10				T.	T.	T.	.38				2.75
Martinsburg[2]	do		T.				T.	.30			.42	.20			.42	.22				.95	.10	.20							.20				3.01
McNeill	do		T.				.16				.48	.24		T.	.28				T.	.60	.14	T.						.09					1.99
Petersburg	do										.66	.24			.70					.42	.20								.17				2.39
Piedmont	do		.01				.24				.25	.07		.06	.45				.08	.50	.07	.01						.25	.03				2.02
Romney	do		T.				.18				.66				.22					.83	.12							.25					2.26
Spruce Knob[2]†	do		.17	.04		T.	.13	.19			.47	.38			.49	.18				.15	.13	.12		T.		.06	.08	.04	.14				2.77
Stony River Dam[2]†	do		.30								.50	.44			.30					.70		.20					.20	.40	.40				3.44
Wardensville	do		T.				.14				.39				.31				.05	1.02	.09	.05											2.05
Northern Division																																	
Aberdeen†	West Fork		.17	T.		.02	.15	.05	T.		.42	.27		.17	1.30				.14	.35	.22	.02			T.	.19		.47	.19	.02			4.15
Alma (near)	Ohio		.08			.02	.26	.02			.25	.23		.27	.98				.50	.36	.29				.06	.05		.56	.04				3.97
Alpena	Cheat		.60	.10		T.	.26	T.	.10		.55	.17		T.	.14	.80			T.	.36	.23	.06	T.		T.	.40		.11	.29	T.			4.17
Belington[2]	Tygart		.24	.05	T.	.01	.05	.20	.05		.48	.55	.08	T.	.84	.30			.02	.23	.12	.14	T.	T.		.18	.03	T.	.71	.04			4.32
Benson†	West Fork		.20			T.	.15	.02	.03		.50	.25		.08	1.40	.02			.20	.36	.30	.02				.15		.65	.02				4.35
Bens Run	Ohio		.14				.44					.91		.14	.96				.28	.50	.31					.12		.79	.04				4.63
Brownsville†	West Fork		.11			.04	.14	.06	.01		.45	.30		.19	1.27				.26	.36	.38	.02				.09		.43	.25	.04			4.40
Buckhannon	Tygart		.20			.09	.16	.07	.02		.53	.49		.14	1.16				T.	.51	.21	.05	T.	T.	.04	T.	T.	.70	.28	.03			4.68
Cairo	Litl. Kanawha		.06				.24	.04	.03		.40	.18		.03	1.25	.03			.48	.48	.39	.03					.05	.23	.03				3.95
Clarksburg[2]	West Fork		.06				.10	.11	T.		.30	.28			1.56	.09			.02	.53	.23	.21		T.		.06		T	.50				4.05
Crawford	do		.08			.02	.15	.06			.62	.38		.16	.86				.03	.36	.34	.01			.03	.12		.46	.25	.02			3.95
Creston[2]	Litl. Kanawha		.06			.05	.20	.10	.01		.50	.35			1.30	.01			.35	.65	.25	.11		T		.15	T	.90	.05				5.04
Dailey[2]†	Tygart		.06	.06	T.	.01	.05	.12	T.		.44	.65	T.	T.	.57	.07	T.		.13	.13	.13	.16		T.	T.	.07	.01	T.	.63	T.			3.29
Dam 10, Mon. R.[2]†	Monongahela		.08			.02	.02	.20	T.		.06	.46			1.19	.19				.33	.20	.16			T.	.06	.01		.33	.02			3.33
Dam 13, O. R.[2]†	Ohio		.11			.03	.02	.47	.01		.15	.71			.86	.16			.02	.65	.37	.15		.02		.04	.02	T.	.35				4.14
Dam 15, Mon. R.[2]†	Monongahela		.08	T.		T.	.02	.20	T.		.10	.56		T.	1.62	.23				.42	.16	.11		T.	T	.07	T.		.52	.04			4.13
Dam 19, O. R.[2]†	Ohio		.03	T.		T.	.19	.30	T.	.05	.38	.55		.03	.50	.05			.12	.76	.36	.13		T.		.11		.10	.55	.04			4.25
Dam 20, O. R.[2]†	do		.05			T.	.15	.24	T.	.03	.30	.35			.60				.15	.83	.25	.20				.12		.04	.60	.03			3.94
Elizabeth (Dam 3)[2]	Litl. Kanawha						.21	.30			.45	.24			.30				.16	.44	.20	.21				.16	T.	.76	.04				3.47
Elk†	West Fork					.10		.25			.25	.35			.60	.30				.55	.40	.10			.10			.45	.28				3.73
Elkins[1]‡	Tygart	.02	.34	T.		.07	.23	.04		.01	1.07	.14		.20	.88	T.			.11	.34	.24	T.	T.	T	.09	.12	T.	.51	.14	T			4.55
Fairmont[2]	Monongahela		.10			.17	.12	.02			.21	.26			.80	.50				.27	.19	.12		T.		.06		.24	.03	T.			3.09
Glenville[2]	Litl. Kanawha		T.	T.			.16	.17	.08		.47	.51			.82	.40			.46	.81	.37	.22				.21	T.		.84	.10			5.62
Grafton	Tygart			.12			.21		.04		.34	.44			1.55	.01			.05	.20		.25				.14			.52	.02			3.89
Hackers Creek†	West Fork		.10			.17	.15				.60	.30		.80	.50				.37	.25	.42					T.		.59	.15				4.40
Hall[2]	Tygart		.18	.01	T.	T.	.05	.16	.02		.29	.59		T.	1.06	.07			T.	.29	.14	.15	T	T.		.14	.04	T.	.67	.05			3.91
Harrison Co. Airport	West Fork		T.	T.		T.	T.	.20	T.		.25	.33			1.13	.07			.18	.41	.14	.05		T.		.07	T	T.	.47	T.			3.30
Hastings	Ohio		.09			.03	.28	.07	.02	.01	.25	.31		.15	1.37		T.		.21	.33	.28	.04	T.		.17	.56	.17		.10	.01			4.45
Horner	West Fork		.20					.35			.50				1.25				.20	.20	.10			.03			.25	.55	.04				3.67
Ireland	do		.22			.06		.08			.98	.35		.46	.89				.12	.22	.18					.02		.63	.16				4.37
Jackson's Mill†	do																																
Jane Lew	do		.06			.04	.18	.04		.01	.51	.33		.23	.95				.18	.37	.33	.08			.01	.04		.52	.17	.04			4.09
Kumbrabow St. For.†	[2]Tygart		.53	.01		T.	.29	.23	.02		.02	.81		T.	.92	.10			.20	.10	.17												
Lost Creek	West Fork		.15	T.		T.	.16	T.	T.		.47	.43		.30	1.30	T.			.28	.24	.49	T	T		.04	.06		.58	.09				4.59
Mannington	Monongahela		.09			.05	.26	.08	.01		.27	.35		.34	1.29	.03			.16	.43	.29	.03		T.	.05	.07		.52	.13	.05			4.50
Midvale[2]†	Tygart		.23	.05		.05	.05	.16	.11		.10	.50		T	.82	.14			.08	.07	.17	.12	T.	T.		.26	.04		.68	.08			3.71
Morgantown	Monongahela			T.		T.		.10			.10	.50		.20	.83					.40	.40	T.	T.	T.	T.		T.	T.	.50				3.03
Mt. Clare	West Fork		.08	.02		.02		.02			.47	.40		.36	1.01	T.			.15	.39	.34	.02		T	.02	.09	T.	.50	.07	.01			3.97
New Cumberland	Ohio		.02			.05	.41			.12	.53	.33		.33	.41				1.10	.20	.16			.01	.09	.01		.31					4.08
New Martinsville	do																																
Parkersburg[1]‡	do	T.	.03		T.	T	.39	.01		.09	.56	.03		.58	.15				.51	.54	.23		T.		.09	T.	T.	.53	.02	T.			3.76
Parsons	Cheat		*			1.70	.88	.10			*	.40		T.	*				*	*	1.18				*	.20		T.	.87	T.			5.33
Philippi[2]	Tygart		.15	.04	T.	T.	.09	.15	.02		.32	.48	T.	T.	1.19	.31			T.	.28	.10	.18		T.		.16	.04	T.	.62	.02			4.15
Pickens	do	T.	.42	.10		T.	.26	.24	.10		.64	.65		.20	1.52				.26	.21	.20	.25		.03	T.	.40		.50	.52	.02			6.52
Pickens No. 2	do		.46	.12	T.	.04	.14	.34	.14		.52	.88	T.	T	1.15	.65			.47	.10	.25	.28	T.	T.		.30	.18	T.	1.17	.17			7.36
Roanoke	West Fork		.05	T.		.05	.15	.02	T		.42	.21	.01	.22	.99	T.			.14	.32	.40	.06				.15	T.	.48	.21	.32			4.20
Rockford†	do		.10			.08	.19	.04			.54	.41		.37	.95				.18	.40	.31				.02	.18	T.	.58	.08	.01			4.44
Rowlesburg[2]	Cheat		.22	.04			.03	.20	.03		.24	.52		.51	.85	.21				.25	.07	.05							.53				3.75
Saint Marys[2]	Ohio		.10			.05	.23	.22	.02	.02	.32	.87			1.02	.05			.14	.77	.44	.09				.13		.11	.61	.04			5.23
Salem	West Fork		.06	T.		T.	.23	T.	T.		.40	.26		.10	1.10				.13	.26	.30	T.			.09			.50	.08				3.51
Shinnston	do		.05				.10	T.			.80			.30	1.30				.50	.25	.10				T	.02		.15	T.				3.57
Terra Alta[2]†	Cheat		.80	T			.35	T.			.70	T.			1.04				.02		.02	T		T.	T.	.20		.40	.02				3.55
Thomas[2]	do		.24	.08		T.	T.	.18	T.		.48	.62			.51	.50				.10	T	.28		.04		.03	.27	T.	.45				3.78
Valley Chapel	West Fork		.20			.03	.16	T	.01		.56	.42	T	.19	1.26				.20	.40	.32	.04				.17		.45	.22	.04			4.67
Valley Head[2]	Tygart		.15	.13		.02	.02	.23	.03		.29	.49	T.	T.	.57	.25			.03	.13	.06	.16	T.	T.		.11	.03	T.	.77	.06			3.53
Vandalia†	West Fork		.48			.14	.15				.64	.31		.15	.82				.03	.32	.22				.15			.47		.31			4.19
Wellsburg (near)	Ohio			.12		.23	.23	.12			.33	.52		.23	.83				.60						.41			.56	.03				4.21
West Milford	West Fork		.15				.20		.05		.50	.30		.40	1.50				.22	.40	.45	.05				.12	.05	.46	.15	.05			5.05
Weston[2]	do		.16	.02	T.	T.	.03	.12	.05		.26	.28	T.		.64	.32			.04	.14	.32	.21				.08	.05	T.	.56	.08			3.36
Wheeling (Dam 12)[2]	Ohio		.09			.01	.01	.46	T.	.02	.12	.83			.91	.07				.54	.28	.12		T.		.07	T	T.	.54				4.07
Southern Division																																	
Arbovale[2]	Greenbrier		.20			T.	.12	T.			.58	.17		T.	.35				.45	T	.05			T.	T.	.05		.40					2.37
Beckley	New	T.	.26	T		.04	.14	.04		T.	.58	.17		.06	.46				.48	.25	.27	T.	.08	.04	.07	.08		.30	.29	.07			3.68
Bluefield	New		.10					.11			.42	.12			.33					1.60	.36					.15		.03	.25	.09			3.56
Camden-on-Gauley[2]	Gauley		.23	.06			.21	.06	.02		.54	.35		.06	.53	.12			.16	.10	.16	.17				.16	.03		.79	.06			3.81
Charleston[2]	Gr. Kanawha		.13			T.	.15	T.	.01		.52	.24		.01	1.16	.05			.02	1.06	.26	.23	T.	T	T	.18		T.	.66	.04			4.72
Clay[2]	Elk		.11	.02			.23	.10	T.		.43	.42		.05	.38	.64			.36	.42	.25	.22		T.		.20	.03	T	.73	.06			4.65
Flat Top[2]	New						.25				.44	.15			.76	.05				.54	.18	.07		.03		.04			.64	.07			3.22
Gary[2]	Big Sandy		T.			.05		.02			.44	.39			.47				.21	.21	.28	.07	T			.10			.40	.14			2.78
Greenbottom[2]†	Ohio	T.	.02	T.		.01	.32	.07	.02		.69	.12			1.26	.10			.88	.08	.27	.13		T.		.06	T	T	.61	.02			4.66
Hinton[2]	New		.07	T.	T	T.	.04				.47	.28		.01	.36	.05			.01	.58	.06	.05		T.		.03	T.		.52	.03			2.56
Hogsett[2]	Ohio		.02				.35	.10			.70	.28			.70				.55	.48	.34	.22				.10			.64				4.48
Huntington	do	T.	.03			T.	.40	.01	T.	T.	.77	.14		.50	.94				.78	.06	.34		T.	T.	.05	T.		.55	.12				4.69
Institute[2]	Gr. Kanawha		.03	T.		T.		T.	.01		.54	.08		T.	1.03	.12			.56	.36	.25	.17		T.		.12	T.	T.	.71	.04			4.02
Kanawha Falls[2]†	do	T.	.20	T.	T.		.05	.05	T.		.55	.35			.50	.05			.50	.10	.25	.25		T		.15			.25	.10			3.35
Kayford[2]	do		.25	.03	T.		.06		T.		.60	.12			.73	.15			.27	.15	.36	.26	T	.04		.20	.01		.46	.13			3.82
Lewisburg	Greenbrier		.07				.09	.02			.50				.33				.27	.17	.10				.03	.02		.20	.13				1.93
Logan[2]	Guyandot		.18	T.		T.	.24	.08	T		.51	.31		T.	.90	.10			.39	.09	.36	.24		T.		.13	T.	T.	.62	.09			4.24
London Locks[2]†	Gr. Kanawha		.15	.01			.07	.06	.01		.42	.20			.64	.05			.28	.33	.20	.20				.21	T.		.58	.08			3.49
Madison[2]	Coal		.21				.12	.08			.49	.28			1.10				.40		.44		.07	.30					1.02	.09			4.60
Marlinton	Greenbrier						.29				.69	.17			.05				.11	.42	.06					.05		.46	.17				2.47
Point Pleasant[2]	Ohio		.06			.01	.37	.19	.01		.68	.29			1.21	.06			.70	.45	.31	.29		.01		.13	T	.04	.60	.02			5.43
Rainelle	Greenbrier	T.	.34	.02		T.	.12	.11			.62	.16		.02	.70	.05			.29	.35	.22	.03	T.	.01	.05	.15		.34	.40	.07			4.05
Ravenswood[2]	Ohio						.15	.14	T		.58	.23			.79				.36	.80	.29	.12				.10		T.	.75	.05			4.36

Continued on next page.

Daily Precipitation for February 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	....	.60	.12	....	.06	.08	.26	.05	....	.60	.68	....	.03	.53	.26	....	....	.20	.80	.19	.18	....	.08	....	.06	.19	....	.80	.05	....	....	5.82
Ryan	Gr. Kanawha	....	....	.06	....	.03	.20	....	....	....	.15	.22	....	.22	1.07	....	....	....	.77	.48	.40	....	....	....	.08	....	....	.42	.41	.01	....	....	4.52
Seneca State Forest†	Greenbrier	....	.08	....	....	....	.22	....	....	....	.62	.09	....	....	.09	....	....	....	....	.66	....	....	....	....	....	....	....	.50	.13	....	....	....	2.39
Spencer[2]	Litl. Kanawha	.20	.10	....	....	.27	.23	.04	T.	T.	.68	.24	....	....	.66	.20	....	....	.56	.56	.24	.10	....	T.	....	.08	T.	.02	.82	.08	....	....	5.08
Sutton	Elk	....	.20	....	....	T.	.07	T.	....	....	.45	.32	....	.05	.85	....	....	....	.21	.57	.39	....	T.	....	....	T.	....	.47	.26	....	....	....	3.84
Thornwood[2]	Greenbrier	....	.15	....	.01	.16	....	.51	....	....	.34	....	....	....	.42	.25	....	....	.20	....	....	.09	....	....	.06	....	....	....	.60	....	....	....	2.79
Union	New	....	....	....	....	.06	.06	.03	....	....	.80	....	....	....	.35	....	....	....	....	.70	....	.14	....	....	.05	....	....	....	.35	.04	....	....	2.58
Wayne[2]	Twelvepole	....	.06	....	....	....	.25	.07	....	....	.67	.38	....	.03	1.29	.03	....	....	.55	.31	.36	.17	....	....	....	.10	.03	....	.72	.07	....	....	5.09
White Sulp'r Spgs.[2]	Greenbrier	....	.10	....	....	....	.25	.05	....	....	.40	.30	....	....	.10	....	....	....	.65	.20	....	....	....	....	....	.10	....	....	.45	....	....	....	2.60
Williamson[2]	Big Sandy	....	.13	.01	....	....	.12	.03	....	....	.59	.07	....	....	1.00	.04	....	....	.36	.09	.33	.22		T.	....	.07	T.	T.	.72	.10	....	....	3.88
Winfield Locks[2]†	Gr Kanawha	....	.04	....	....	T.	.21	.07	.02	....	.67	.20	....	.01	1.11	.05	....	....	.66	.43	.20	.15	T.	T	....	.11	.01	T.	.69	....	....	....	4.63

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. ||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for February 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	33	20	26	40	34	45	29	47	52	55	40	57	44	20	28	40	45	31	35	38	37	28	35	42	22	30	36	32	32	....	....	36.3
	Minimum	8	13	6	10	24	20	28	20	22	32	28	25	36	18	11	2	3	5	28	30	20	10	20	20	22	7	8	20	28	....	....	18.1
Beckley	Maximum	34	28	32	38	39	61	55	50	56	55	53	59	54	48	33	43	40	39	42	43	31	29	41	47	34	30	37	39	40	....	....	42.4
	Minimum	13	5	−2	7	23	28	20	19	22	37	23	24	27	10	7	3	20	24	31	26	20	17	16	24	15	1	21	27	24	....	....	18.3
Bluefield	Maximum	38	36	26	58	45	62	57	53	56	54	46	56	57	54	33	46	46	41	43	43	33	31	40	44	42	37	44	42	47	....	....	44.5
	Minimum	17	15	7	17	30	37	28	24	31	46	31	29	44	16	16	16	34	28	34	31	27	24	23	33	27	10	16	38	31	....	....	26.2
Brandywine	Maximum	45	42	40	44	46	45	44	47	60	56	48	61	60	46	40	44	47	45	40	42	40	37	40	47	42	28	37	48	60	....	....	45.6
	Minimum	7	12	9	15	30	28	34	18	27	42	37	26	41	20	10	20	14	31	30	32	28	12	24	27	25	7	25	24	27	....	....	23.5
Buckhannon	Maximum	35	28	23	33	36	35	50	45	53	60	56	57	50	33	25	35	48	55	43	40	35	32	35	45	45	38	36	36	35	....	....	40.5
	Minimum	10	10	9	7	29	27	25	24	27	39	28	23	31	17	9	4	14	31	35	29	23	20	22	25	21	7	23	20	28	....	....	21.3
Cairo	Maximum	39	32	39	40	57	55	49	53	64	69	62	64	34	41	41	46	48	43	43	38	38	44	48	38	34	35	38	39	54	....	....	45.7
	Minimum	15	4	11	32	31	31	29	28	40	30	22	32	21	2	4	11	31	35	32	24	28	27	28	27	7	24	33	32	24	....	....	24.0
Charleston[3]	Maximum	26	38	41	42	68	38	57	57	68	69	61	42	41	35	34	47	52	49	43	41	38	45	52	40	40	47	43	43	68	....	....	47.2
	Minimum	22	23	12	12	23	35	35	32	32	35	45	31	32	22	15	15	17	21	27	36	32	29	29	31	37	15	17	37	35	....	....	27.1
Clarksburg[3]	Maximum	37	20	36	39	38	62	33	50	56	65	43	61	37	26	31	37	47	43	43	38	40	32	40	49	30	32	39	38	38	....	....	40.5
	Minimum	9	9	12	10	20	29	32	27	27	23	31	25	22	21	5	5	7	17	36	35	26	21	25	27	28	8	8	31	33	....	....	21.3
Elkins	Maximum	36	30	29	35	38	55	56	52	58	59	47	60	49	41	29	38	48	42	44	37	34	28	38	46	33	29	38	39	35	....	....	40.8
	Minimum	11	8	10	11	30	30	26	22	30	40	29	29	37	17	12	4	13	33	37	29	24	24	23	27	14	3	24	32	31	....	..	22.8
Fairmont[3]	Maximum	36	18	32	37	38	60	34	49	57	65	45	63	36	25	34	38	45	46	43	37	41	33	42	48	27	32	36	37	37	....	....	40.2
	Minimum	12	13	16	14	23	32	32	27	30	34	31	29	35	20	8	8	9	17	36	34	25	22	22	27	23	10	12	32	33	....	....	22.8
Flat Top	Maximum	28	32	34	34	40	54	36	49	52	48	41	54	50	53	31	42	43	35	38	34	29	23	37	41	27	27	36	37	40	....	....	38.1
	Minimum	15	18	16	24	27	35	22	20	36	36	24	34	33	12	10	16	29	25	33	24	22	18	18	27	12	7	25	27	26	....	....	23.2
Gary[3]	Maximum	41	32	34	43	53	65	36	59	62	66	48	62	61	27	40	52	47	44	49	36	37	35	45	48	31	36	47	44	47	....	....	45.8
	Minimum	16	16	4	7	25	32	35	25	25	26	33	25	33	21	16	14	15	26	32	35	32	29	27	27	31	11	12	33	34	....	....	24.0
Glenville	Maximum	34	33	30	38	36	56	55	48	50	61	60	59	59	36	38	37	44	47	53	46	38	35	38	39	39	32	39	38	39	....	....	43.3
	Minimum	10	15	8	12	30	28	29	28	27	39	10	24	33	19	1	5	12	32	35	33	25	23	26	25	26	9	25	34	32	....	...	23.6
Grafton	Maximum	36	36	27	41	39	63	63	47	57	68	63	64	60	38	33	42	56	57	45	46	40	41	41	49	48	30	37	39	38	....	....	46.3
	Minimum	13	11	13	10	29	28	29	26	28	39	30	24	30	19	10	7	13	36	36	34	23	20	25	26	23	7	25	34	32	....	....	23.4
Huntington	Maximum	39	35	40	41	42	63	42	55	51	68	57	65	57	34	38	42	51	43	46	43	41	41	46	45	41	33	43	43	43	....	....	45.8
	Minimum	20	19	15	25	35	33	32	31	35	44	30	33	34	22	9	13	24	35	38	34	29	29	28	34	28	15	29	37	35	....	....	28.5
Lewisburg	Maximum	38	36	37	36	40	52	49	52	56	50	45	61	58	55	36	50	42	40	40	40	41	31	43	49	36	35	36	38	42	....	....	43.6
	Minimum	8	11	7	16	30	30	28	22	26	38	29	27	41	17	13	13	22	29	35	32	28	23	23	29	20	9	26	33	30	....	....	24.0
Logan[3]	Maximum	40	32	33	43	44	67	36	60	53	70	48	65	49	33	42	49	54	52	49	38	39	37	46	50	35	46	47	45	45	....	....	46 7
	Minimum	22	22	8	15	26	34	35	30	30	33	35	30	30	23	12	12	19	26	40	36	34	30	30	30	31	15	17	41	37	....	....	27.0
Madison[3]	Maximum	38	25	24	34	40	65	35	57	70	70	50	66	44	28	36	35	53	50	48	37	38	37	46	50	40	47	47	43	43	....	....	44.3
	Minimum	15	17	−2	11	23	32	34	27	28	34	33	27	33	22	8	10	14	24	39	35	30	29	29	29	28	12	19	34	34	....	.. .	24.4
Mannington	Maximum	36	36	30	38	38	56	54	45	53	59	59	59	57	35	30	35	46	45	42	40	35	35	37	46	39	30	35	36	37	....	....	42.2
	Minimum	10	11	10	7	30	30	30	28	26	39	31	22	30	20	−5	−2	8	34	36	33	22	18	25	26	24	8	24	33	32	....	....	22.1
Marlinton	Maximum	45	36	37	40	41	40	44	49	55	52	48	61	57	47	38	52	47	44	43	42	40	33	45	48	37	40	38	40	43	....	....	44.2
	Minimum	4	8	9	9	29	25	29	16	20	33	29	20	32	18	15	16	17	17	34	34	27	19	23	25	22	9	25	31	30	....	....	21.3
Martinsburg[3]	Maximum	41	29	38	45	44	45	40	46	53	45	48	58	42	34	36	41	44	36	38	39	41	43	42	40	40	32	42	45	41	...	....	41.7
	Minimum	9	19	16	23	31	33	34	29	29	32	33	29	37	32	22	22	24	24	31	35	29	22	23	30	32	16	17	26	33	....	....	26.6
Morgantown	Maximum	34	33	27	34	37	58	33	38	60	65	61	40	30	35	30	32	46	43	41	40	33	33	37	45	37	35	36	38	40	....	....	39.7
	Minimum	22	9	10	15	28	28	26	30	37	40	30	27	25	18	10	6	11	32	35	30	23	19	24	26	12	24	30	23	21	....	....	23.1
New Cumberland	Maximum	33	32	34	36	39	49	48	35	38	43	42	52	50	30	29	33	40	39	35	34	34	32	34	36	36	29	38	36	38	....	....	37.4
	Minimum	16	7	20	20	20	33	29	18	30	36	28	35	29	22	12	6	10	33	32	33	21	14	26	28	19	13	24	34	32	....	....	23.4
New Martinsville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Parkersburg	Maximum	39	35	38	38	41	55	35	49	48	65	45	62	37	27	34	37	46	40	41	39	35	36	41	43	36	31	41	40	39	...	....	41.1
	Minimum	10	12	10	24	34	33	29	29	35	38	28	37	27	20	11	10	18	36	37	32	25	28	27	32	17	13	29	35	34	....	....	26.1
Pickens	Maximum	34	26	28	35	37	54	46	48	56	57	50	57	48	46	33	43	49	41	45	34	34	31	37	43	35	31	37	36	33	....	....	40.8
	Minimum	10	6	5	6	19	23	22	22	29	37	23	28	33	13	9	3	16	31	36	28	21	19	19	22	12	−6	22	27	26	....	....	19.3
Point Pleasant	Maximum	38	35	39	38	42	55	53	53	51	67	64	64	61	34	39	39	45	43	42	41	39	38	44	43	39	31	42	40	41	....	....	44.8
	Minimum	16	23	12	20	34	33	32	29	32	40	29	30	34	22	6	5	16	35	36	32	28	28	26	31	28	12	26	37	33	....	....	26.4
Rainelle	Maximum	40	38	34	39	38	52	43	51	55	62	49	60	55	52	31	46	42	41	41	42	33	34	41	45	36	31	35	37	37	....	....	42.9
	Minimum	3	10	0	5	31	26	25	23	21	35	27	20	20	15	13	2	17	30	35	30	25	22	22	27	19	1	23	32	28	....	....	20.3
Ravenswood	Maximum	40	42	38	43	42	65	52	56	60	71	65	62	59	42	37	40	45	45	43	41	39	37	43	45	40	31	41	40	42	....	....	46.4
	Minimum	14	16	7	18	34	31	30	29	31	38	29	30	32	21	4	6	13	33	35	32	26	27	27	29	24	12	20	36	37	....	....	24.9
Richwood[3]	Maximum	37	30	34	42	43	58	36	53	55	54	43	59	56	24	37	45	47	43	44	36	35	35	40	48	36	38	44	39	36	....	....	42.3
	Minimum	11	−1	5	16	28	31	21	20	26	29	25	24	18	15	8	8	21	34	34	27	19	23	23	27	4	4	33	29	28	....	....	20.3
Romney	Maximum	48	42	36	45	44	43	50	49	55	51	46	66	62	36	35	46	45	39	38	37	41	39	42	50	46	35	33	41	39	....	....	44.1
	Minimum	10	7	16	28	31	29	34	25	25	40	36	26	35	23	21	21	17	31	31	33	27	18	28	26	29	17	24	21	34	....	....	25.6
Spencer[3]	Maximum	38	21	36	39	40	65	34	53	51	68	47	65	37	26	36	40	50	45	48	36	40	34	43	48	28	37	41	38	40	....	....	42.2
	Minimum	15	20	7	16	33	31	33	28	31	42	31	27	36	26	3	8	16	34	36	32	27	27	26	34	27	11	25	37	33	....	....	25.9
Sutton	Maximum	40	40	35	37	40	65	65	55	57	66	66	65	65	38	35	39	50	50	48	47	38	38	41	45	45	34	40	40	40	....	....	47.0
	Minimum	12	6	5	12	32	30	31	29	29	42	32	34	37	20	9	8	15	34	40	35	29	25	28	27	21	10	26	36	33	....	....	25.1
Wardensville[3]	Maximum	45	41	40	47	40	53	51	53	59	51	49	66	62	38	37	45	49	43	39	38	41	41	42	48	47	35	39	44	43	.. .	....	45.7
	Minimum	6	16	15	23	30	26	36	20	25	34	36	22	37	22	21	14	15	28	31	32	25	15	25	24	27	15	24	29	34	....	....	24.4
Weston	Maximum	40	40	32	37	40	62	62	44	52	64	62	58	56	39	35	35	49	48	45	41	42	40	10	48	47	32	42	40	40	....	....	45.3
	Minimum	16	14	15	16	33	24	31	30	15	15	32	34	34	22	10	9	19	39	40	36	30	29	27	33	23	10	30	35	33	....	....	25.3
Wheeling[3]	Maximum	36	22	33	37	37	45	35	45	41	55	47	57	34	25	34	38	48	39	42	41	35	34	37	39	27	30	38	38	37	....	....	38.2
	Minimum	9	11	10	12	23	33	34	29	29	34	30	31	32	21	9	7	8	12	28	25	21	18	22	27	22	13	14	30	34	....	....	21.7
Williamson[3]	Maximum	43	32	39	40	44	67	36	60	58	70	56	66	51	34	42	48	56	53	48	38	41	38	46	48	35	36	45	46	42	....	....	46.8
	Minimum	23	23	10	12	29	32	35	28	29	32	34	28	29	24	15	15	21	27	41	36	34	29	29	29	31	16	18	35	36	....	....	26.9

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 3 28 40—900)

7.05
WE

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., MARCH 1940 No. 3

GENERAL SUMMARY

The month was considerably below normal in temperature. All stations in the northeastern panhandle division and all but one in each of the northern and the southern divisions were less than normal in temperature. Readings of zero or below were recorded at one station on the 25th and at three stations on the 26th. The cold periods were from the 11th to the 12th and the 23d to the 26th. A warm period occurred from the 27th to the 31st.

Precipitation, while averaging slightly below normal, was well distributed during the month. Snowfall, except for the higher altitude stations, was generally light. The station with the most snow-lying days was Spruce Knob with 29 days of snow cover.

At the end of the month the rivers were rising. The Little Kanawha river at Glenville reached slightly above flood stage on the 31st. Vegetation made little progress until the close of the month when pastures were greening, and, in the southern portion fruit buds were beginning to swell.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 59 stations, was 38.8°, or 3.7° below the normal. The mean for the northeastern panhandle division was 37.5°; for the northern division, 38.0°; and for the southern division, 40.2°. The highest monthly mean was 44.2° at Huntington and the lowest, 31.8° at Terra Alta. The highest temperature was 79° at Huntington, Institute, Spencer and Wellsburg on the 29th, and Camp P-58 and Williamson on the 31st; and the lowest, −3° at Pickens on the 25-26th. The greatest daily range was 60° at Institute on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 103 stations, was 3.70 inches, or 0.23 inch below the normal. In the northeastern panhandle division the average was 2.66 inches; in the northern division, 4.20 inches; and in the southern division, 3.35 inches. The greatest monthly precipitation was 6.10 inches at Pickens No. 2 and the least, 1.50 inches at Brandywine and Brushy Run. The greatest amount in any 24 consecutive hours was 2.05 inches at Rockford on the 30th. The average monthly snowfall was 3.4 inches, or 2.4 inches below the normal. The greatest monthly snowfall was 16.0 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	1	..	..
Fogs, dense	7	3	5	2	2	1	..	2	1	1	..	..	1	1	1	..	..	1	2	1	..	..	..	..	..	..	..	3	3	3	2
Gales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	2	1	..	6	2	6	1	1	..	..	1	..	..	1	3
Hail	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	1	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..	..	1	..	..	1	..	..	2	..	..	..	1	..	..	..
Sleet	..	1	1	1	3	..	..	1	..	..	1	2	3	9	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Thunderstorms	..	..	9	2	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	1	6	8

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.01	30.53	25	29.61	3	8.9	28	w.	20	78	53	66	47
Columbus, Ohio	29.99	30.50	26	29.57	3	10.9	39	sw.	20	82	61	68	44
Elkins	29.98	30.52	26	29.47	30	8.0	26	sw.	20	82	64	70	26
Parkersburg	29.99	30.53	26	29.56	3	7.7	27	w.	20	77	54	58	35
Pittsburgh, Pa.	29.98	30.47	26	29.61	18	12.8	45	w.	20	82	63	69	31
Wytheville, Va.	29.98	30.46	26	29.51	30	8.4	30	nw.	16	81	58	66	42

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches)					Average no. of days			
				Average								
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	....	.....	5.52	5.24	5.46	4.91	......	......	......	......	......
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	......	......	......	......
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	......	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	**94**	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	**.55**	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	**34.4**	63	7	.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
Period	42.5	94	−18	3.06	4.08	4.13	3.93	5.8	12	11	7	13

Climatological Data for March 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	32.0	-5.7	70	29	5	12	45	3.08	-1.43	0.61	10.0	15	13	3	15	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	39.3	-2.1	78	28	7	26	45	1.50	-.97	.35	T.	6	11	6	14	s.	E. L. Keister
Harpers Ferry	Jefferson	400	51								3.60	+.55	1.22	1.0	10					Miss Eleanor White
Inwood	Berkeley	569	8	36.9		65	28	13	25	28	1.85		.65	1.0	9	13	5	13	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	38.1		69	31	14	§24	34	3.77		.75		7	6	16	9	nw.	University Exper. Station
Martinsburg	Berkeley	435	48	38.1	-3.5	68	27	15	25	43	3.80	+.54	1.10	T.	11	18	8	5	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	36.2	-4.8	75	18	5	26	51	1.97	-.62	.53	T.	9	2	12	17	w.	R. E. Saville
Piedmont	Mineral	1,053	27	36.8	-4.4	71	18	13	§12	41	2.69	-.29	.49	3.0	10	2	16	13	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	42	39.4	-3.0	73	18	13	12	43	2.36	-.50	.74	1.5	8	7	10	14		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8								3.31		.54	8.0	14					Moses R. Bennett
Stony River Dam	Grant	3,300	20								4.24	+.89	.95	15.0	14	3	8	20	w.	A. C. Becker
Wardensville	Hardy	1,200	19	38.7	-3.2	71	§18	12	12	45	1.94	-.26	.53		8	5	16	10	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16								4.50	+.71	1.44	2.6	15	3	15	13		L. Esle Bond
Alma (near)	Tyler	800	13								4.54	+.53	1.42	1.0	15	5	6	20		H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	32.8		71	29	4	26	43	4.71		.56	15.0	15	6	9	16		Christian Hertig
Benson	Harrison	1,080	16	37.8	-2.5	75	§29	5	26	47	3.93	+.47	1.15	3.4	15	4	17	10		R. D. Marts
Bens Run	Pleasants	652	38	39.6	-3.9	77	29	13	25	41	4.37	+.33	1.56	1.5	12	16	10	5		Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	43.0	+1.1	78	29	7	26	44	4.48	+1.01	1.64	.2	13	4	18	9		M. D. Hawkins
Buckhannon	Upshur	1,411	43	38.0	-3.9	72	29	10	26	38	5.11	+.60	1.65	1.5	10	7	11	13		H. A. Darnall
Cairo	Ritchie	680	39	41.8	-2.5	77	§28	7	24	43	3.70	-.12	.99	.5	12	4	20	7		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	37.4	-2.3	76	29	8	26	51	3.59	+.57	1.05	3.0	11	9	0	22	w.	Clarksburg Water Board
Crawford	Lewis	1,107	17								4.40	+.07	1.41	1.6	15	4	13	14	nw.	George W. Blair
Creston	Wirt	640	38	40.1	-3.9	75	§29	10	26	46	4.32	+.22	.87	.6	15	2	11	18		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19								4.33	+.56	1.07	3.6	13					Lockmaster
Dam 13 O. R	Marshall	655	24								4.52	+1.09	1.14	T.	14					Lockmaster
Dam 15 Mon. R	Marion	882	19								4.09	+.95	.95	3.0	13					Lockmaster
Dam 19 O. R	Wood	600	24								2.95	-.59	.73	T.	11					Lockmaster
Dam 20 O. R	Wood	600	24								3.30	-.41	.84		11					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28								3.77	+.02	.67	T.	11					Lockmaster
Elkins	Randolph	1,927	39	36.7	-3.3	72	29	5	26	39	3.47	-.33	.85	6.2	20	3	5	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	37.8	-3.7	77	29	11	26	45	3.88	-.09	.86	5.5	16	7	8	16	w.	J. C. Robinson
Glenville	Gilmer	738	46	39.0	-5.7	76	29	9	26	45	4.88	+.59	1.52	.4	11	10	12	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	40.0	-1.5	77	29	7	26	41	4.05	+.29	1.94	1.8	13	10	7	14		L. W. Clayton
Hastings	Wetzel	809	5								5.26		1.29	.5	15	7	10	14	w.	L. G. McIntyre
Horner	Lewis	1,044	17								4.25	+.49	1.70		12					Foster R. Hardman
Jane Lew	Lewis	1,020	17								4.06	+.80	1.64	.5	9					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	38.9	-3.5	75	29	6	26	46	4.65	+.73	1.78	2.7	12	4	9	18	w.	Allen Smith
Mannington	Marion	974	37	37.8	-4.5	74	29	7	26	42	4.93	+.90	1.46	4.6	16	6	9	16	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	37.0	-5.1	74	29	10	§24	37	‖	‖	1.60	2.0	‖	9	12	10		Bruce Davis
New Cumberland	Hancock	671	42	35.2	-4.2	72	§29	11	24	35	3.30	+.06	.80	4.0	13	8	2	21	nw.	C. O. Valentine
New Martinsville	Wetzel	634	46																	Wm. Ankrom
Parkersburg	Wood	615	53	40.2	-2.6	78	29	14	26	40	3.18	-.31	1.40	1.4	13	4	9	18	w.	U. S. Weather Bureau
Parsons	Tucker	1,649	40																	J. W. Swisher
Philippi	Barbour	1,300	43								4.31	+.17	1.60	4.8	16					Mrs. Maxine Leach
Pickens	Randolph	2,760	37	34.4	-4.8	74	29	-3	§25	41	5.57	-.34	.98	14.7	17	8	10	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17								4.80	+1.18	1.88	.6	11	6	6	19		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52								3.31	-1.54	.92	3.1	13					W. H. Bolyard
Saint Marys	Pleasants	625	32								4.38	+.46	1.05	1.5	13					Edward Hughes
Terra Alta	Preston	2,559	39	31.8	-6.1	74	29	5	25	46	3.51	-.93	.87	14.0	12	6	13	12	w.	John Dee Williston
Thomas	Tucker	3,000	11								4.19	-.92	.90	13.5	15					W. Sleeman
Valley Chapel	Lewis	1,011	17	40.6	-1.9	74	§29	9	26	50	4.28	+.59	1.35	.2	13	6	11	14	w.	S. A. Spence
Vandalia	Lewis	1,120	17								3.90	+.70	1.35	4.0	8					James B. Kelley
Wellsburg (near)	Brooke	668	33	36.2	-3.6	79	29	6	26	41	4.21	+1.02	.84	5.0	12	9	5	17		George P. Pfister
West Milford	Harrison	979	15								4.25	+.71	1.10		12					Scotland G. Highland
Weston	Lewis	1,026	45	41.4	-2.4	76	29	10	26	35	4.95	+.67	1.58	4.2	14	1	25	5		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	36.0	-4.5	75	29	12	24	39	4.65	+1.37	1.16	7.0	15	4	10	17	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14								2.97	-.84	.90	2.0	9	5	11	15	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	35.0	-7.6	71	29	-2	26	42	3.70	-.07	.87	6.2	18	5	10	16		L. A. Mauck
Bluefield	Mercer	2,558	45	39.8	-4.6	72	§29	9	26	34	2.30	-.82	.40	2.8	11	12	4	15		Norfolk & Western Ry.
Charleston	Kanawha	602	37	42.4	-5.0	78	§29	19	25	52	4.27	-.23	1.60	.5	15	2	11	18		Charleston Daily Mail
Clay	Clay	790	24								4.00	-.15	1.27	1.1	15					L. E. Woofter
Flat Top	Mercer	3,260	2	33.7		65	§29	7	25	50	3.34		.95	9.0	21	8	7	16	nw.	U. S. Airway Station
Gary	McDowell	1,426	24	40.4	-2.1	78	29	5	26	56	2.06	-2.10	.54	3.8	16					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	41.2		77	31	12	26	47	4.30		.98	T.	12	5	8	18	sw.	State Forest Nursery
Hinton	Summers	1,431	43	40.6	-3.5	77	§29	6	26	53	2.11	-1.79	.52	1.5	11					Mrs. M. L. McClung
Hogsett	Mason	564	24								5.02	+1.14	.98		13					Lockmaster
Huntington	Cabell	571	43	44.2	-.8	79	29	16	26	46	3.78	-.44	1.31	.3	13	2	17	12	nw.	H. N. Robinson
Institute	Kanawha	616	2	41.2		79	29	11	26	60	3.35		1.21	.5	12					Civil Aeronautics Authority
Kanawha Falls	Fayette	618	21								2.19	-1.01	1.00	1.6	10					Miss Loula M. Brown
Kayford	Kanawha	1,335	24								3.40	-1.24	.91	3.0	19					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	38.8	-3.3	76	27	10	26	48	2.17	-1.47	.76	4.2	10	8	8	15		J. K. Monroe
Logan	Logan	700	37	43.2	-9.1	77	29	15	26	53	2.73	-1.99	.75	T.	13	4	6	21		Paul A. Simonds
London Locks	Kanawha	623	4	41.6		78	29	13	§26	58	2.89		1.07	1.5	13					Lockmaster
Madison	Boone	675	19	42.7	.0	78	§28	11	26	50	2.39	-1.79	.86		9	1	17	13		C. B. Whitlock
Marlinton	Pocahontas	2,125	40	37.4	-.5	73	28	9	26	46	2.65	-1.89	.85	.5	10	0	21	10		Edward A. Moore
Point Pleasant	Mason	595	41	42.6	-2.6	77	29	14	26	46	4.96	+.87	1.37	.1	16	7	14	10	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	36.0		72	31	0	26	43	4.18		1.16	5.5	15	7	9	15		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	41.9	-1.4	76	29	12	26	43	3.87	-.02	.75		13	10	1	20	nw.	Lockmaster
Richwood	Nicholas	2,193	10	35.6		71	29	3	25	38	4.19		1.08	6.9	19	8	7	16	se.	Cherry River Paper Co.
Ryan	Roane	700	37	39.0	-3.8	77	29	8	26	48	3.80	-.56	1.35	2.6	14	5	12	14		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	36.8		73	§18	1	26	52	2.74		.76	1.2	8	4	15	12	nw.	Supt., State Forest
Spencer	Roane	789	36	40.8	-2.1	79	29	10	26	46	3.39	-.68	.63	1.5	14	2	13	16		A. M. McKown
Sutton	Braxton	850	34	41.2	-3.0	76	§29	8	26	45	3.90	-.44	1.13	4.0	12					C. B. Eakle
Union	Monroe	2,250	36	40.2	-3.2	76	30	6	26	46	2.55	-1.00	.81		8	11	4	16		C. B. King
Wayne	Wayne	598	13								4.26	-.34	.89		13					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	37.2	-5.4	72	31	4	26	54	2.85	-.72	.80		7	10	2	19		White Sulphur Spgs., inc.
Williamson	Mingo	673	40	43.6	-3.1	79	31	17	26	50	2.95	-1.59	.90	1.4	12	4	16	11	se.	J. E. Dotson
Winfield Locks	Putnam	570	2	40.8		78	29	15	26	55	3.47		1.10	.5	12	4	7	20	w.	Lockmaster
State averages and	**extremes**			**38.8**	**-3.7**	**79**	**§29**	**-3**	**§25**	**60**	**3.70**	**-.23**	**2.05**	**3.4**	**13**	**6**	**10**	**15**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. ‖ Incomplete.

Daily Precipitation for March 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard^{2}	Potomac			.43	.38	T.		.08		T.	.02				.13	.40	.20	.15		.35			.10	.08		.06				.05	.04	.61	3.08
Brandywine	do		.10	.30	.25										.35	T.	T.						T.	T.							.30	.20	1.50
Brushy Run^{2}	do		T	.30	.45										.06	.30	T.	T.					T.			T.			T.	.08	.04	.27	1.50
Harpers Ferry^{2}	do			.66	.83	.07	.02								T.	1.22	T.	T.		.08			.04							.02	.05	.61	3.60
Inwood	do		.25	.10	.25										.25	.15	.15			.05											.65	*	1.85
Kearneysville	do		.63	.65	.24										.75	.26															.63	.61	3.77
Knobly Mountain^{2}†	do			.60	.29	T.	T.	T.		T.					.01	.55	.10	T.		.10			T.	T.	T.					.10		.70	2.45
Martinsburg^{2}	do			1.00	.70	.02		T.							.05	1.10	.05	.02		.10			T.	T.						.03	.03	.70	3.80
McNeill	do		.10	.18	.12									T.	.53	.03	.07			.12			T.		T.	T.				T.	.41	.41	1.97
Petersburg	do		.27	.23	.24										.38															.14	.13	.39	1.79
Piedmont	do		.37	.39	.26										.48	.09	.20			.07			T.							.06	.28	.49	2.69
Romney	do		.31	.29											.55	T.	.15			.25										.07	.74	*	2.36
Spruce Knob^{2}†	do			.37	.48	.19		T.		.04	T.			T.	.28	.39	.06	T.		.29			.04	.12	.06	T			T.	.18	.27	.54	3.31
Stony River Dam^{2}†	do			.90	.95	.10		.05							.10	.44	.20						.30	.10		.10			.08	.11	.11	.70	4.24
Wardensville	do		.36	.21	.09									T.	.48	T.	T.			.02										.02	.23	.53	1.94
Northern Division																																	
Aberdeen†	West Fork		.20	.21	.53	.08	.02	T.	T.	T.				.02	.62	.07	.03		T.	.40	T.		.16	.01		T.				.09	1.44	.62	4.50
Alma (near)	Ohio		.18	.78	.33	.04	.01								.46	.10	.02		.28	.24	.26		.16	T.	T.	T.				.17	1.42	.09	4.54
Alpena	Cheat		.51	.30	.56		.10	.10	T.	.10	T.			T.	.40	.40				.53			.30	.10	T.	.15				.18	.46	.52	4.71
Belington^{2}	Tygart	T.	T.	.26	.55	21	.04	.02	T.	.02	.01	T.		.01	.16	.40	.08	T.		.54			.22	.04	T.	.02	T.			.05	.16	.91	3.70
Benson†	West Fork		.15	.30	.50	.10				.05					.40	.08	T.		.05	.35			.10	.05	.04					.16	1.15	.45	3.93
Bens Run	Ohio		.13	.87	.20										.56	.10	.05		.37	.02			.26							.16	1.56	.09	4.37
Big Skin Creek	West Fork									T.				T.	.50	T.	T		.05	.50			.20		T.	T.				.15	1.93	.28	‖‖
Brownsville†	do		.22	.30	.56	.08	.01								.53	.06	.02			.38			.16							.05	1.64	.47	4.48
Buckhannon	Tygart		.26	.23	.45	10	T.	T.	T.	T.					.65	.05			T.	.55			T.	T						.72	1.65	.45	5.11
Cairo	Litl.Kanawha		.16	.47	.60	.04									.38	.08				.46			.18						.12	.99	.18	.04	3.70
Clarksburg^{2}	West Fork			.31	.61	.02				T.					.22	.27	.04			.33			.13			T.				.06	.55	1.05	3.59
Crawford	do		.24	.36	.56	.08	.02		.02					T.	.57	.02				.50	T.		.11	.03		.01				.08	1.41	.39	4.40
Creston^{2}	Litl.Kanawha		.04	.65	.55	.12	.03	T.		T.				.05	.23	.14	.04			.65			.16	.01		T				.18	.60	.87	4.32
Dailey.^{2}†	Tygart	T.	T.	.20	.43	.06	T.	T	T.	.01	T.	T.		.05	.15	.42	.07	T.		.36			.07	.01	T	.05	T.			.02	.10	.69	2.69
Dam 10, Mon. R.^{2}†	Monongahela.		T.	.39	.61	.18		T		.01	.02				.18	.53	.09	T.		.36		T.	.19			T.			T.	.03	.67	1.07	4.33
Dam 13, O. R.^{2}†	Ohio			.52	.91	.13	T.							.01	.31	.40	.15			.11			.08		.03				.34	.01	.38	1.14	4.52
Dam 15, Mon. R.^{2}†	Monongahela		T.	.36	.65	.13	.02	T.		T.	T.				.19	.47	.12	T.		.29			.16	.02	T.	T.			T.	.03	.70	.95	4.09
Dam 19, O. R.^{2}†	Ohio		.06	.38	.30	.08	T.			T.				T.	.22	.14	T.			.20			.08	T.		T.				.05	.73	.71	2.95
Dam 20, O. R.^{2}†	do		.08	.43	.43	.04								T.	.27	.15				.26			.11							.07	.84	.62	3.30
Elizabeth (Dam 3)^{2}	Litl.Kanawha		.03	.50	.60	.08									.23	.18	T.			.65			.07							.11	.67	.65	3.77
Elk†	West Fork		.30	.27	.28										.75	.10				.40										.35	1.76	.35	4.56
Elkins^{1}‡	Tygart		.19	.39	.12	.05	.02	T	.01	.02	T.		.03	T.	.62	.07	.03		.50	.06	T.		.20	.02	.01	.04			T.	.08	.71	.30	3.47
Fairmont^{2}	Monongahela		.08	.37	.63	.09	.02	T.	T.		.02				.25	.12	.15			.28			.12	.02	.01	T				.07	.79	.86	3.88
Glenville^{2}	Litl.Kanawha		T.	.61	.54	.18	T.	T.	T.	T.				T.	.06	.13	.43			.72			T.	.04		T.				.16	.49	1.52	4.88
Grafton	Tygart		.25	.21	42	.07	.01			.03					*	.79				.20			.11	.01		.01						1.94	4.05
Hackers Creek†	West Fork		.21	.24	.52	.07	T								.42	.14				.43			.13							.09	1.45	.37	4.07
Hall^{2}	Tygart		T	.21	.73	.19	.02	T.	T.	.02	T.			T.	.26	.35	.03	T		.36			.17	.03	T.	.01	T.			.10	.40	1.65	4.53
Harrison Co. Airport	West Fork		T.	.28	.58	.05	T.	T.		T.	.02			T.	.25	.29	.05	T.		.28			.05	T.		T.				.09	.43	.88	3.25
Hastings	Ohio		.26	.53	.75	.10	.10								.53	.12	.10	.02		.61			.25	T.					.02	23	1.29	.35	5.26
Horner	West Fork		.25	.30	.40		.10								.40					.75				.02	.03	.05				.10	1.70	.15	4.25
Ireland	do		.24	.49	.56		T.	.02							.39	.27	.04			.50			.04	.06	.01	T.				.18	1.30	.46	4.56
Jane Lew	do		.20	.27	.51	.07	T.	T.		T.					.51	T.				.34				T.						.05	1.64	.47	4.06
Kumbrabow St. For.†	^{2}Tygart																																
Lost Creek	West Fork		.21	.24	.48	.03	T.	T.	T	T.				T.	.47	16	T.		T.	.38			.45	.03		T.		T.		.12	1.78	.30	4.65
Mannington	Monongahela.		.41	.42	.60	.06	.03	T.	T.	.01	T.				.69	.05	.13		.10	.40			.25			T.			.01	.16	1.46	.15	4.93
Midvale^{2}†	Tygart			.18	.06	.07	.02	.02	T.	.02	.06				.15	.19	.06			.65			.15	.05	T.	.05				T.	.10	1.18	3.01
Morgantown	Monongahela.		.35	.25	.60	.15		T.	T.	T.					.35	T	.20			‖‖			‖‖	T.		T.				.20	1.60	.20	‖‖
Mt. Clare	West Fork		.19	.24	.53	.06	.01	T.	.01					T.	.55	.03	.02		.06	.22			.15	.02		T.		.01		.10	1.67	.32	4.19
New Cumberland	Ohio		.16	.54	.53	.07				T.					.54	.01	.17			.07			.06					.10	.18		.80	.07	3.30
New Martinsville	do																																
Parkersburg^{1}‡	do		.18	.53	.04	.01	T.		T.	T.			T.	T.	.50	06	T.		24			.06	.05	T.	T	.01		T.	T.	.07	1.40	.03	3.18
Parsons	Cheat																																
Philippi^{2}	Tygart		T.	.22	.48	.21	.02	T	T.	.02	T.			.01	.28	.37	.05	T.		.37			.13	.03	T.	.01	T.			.10	.41	1.60	4.31
Pickens	do		.25	.57	.58	.04	.10	T		.10			.10		.35	.40	.10		.15	.44			.30	.45						.34	.98	.32	5.57
Pickens No. 2	do	T.		.90	.91	.33	.09	.07		.06	06				.19	.55	.18			.59			.19	.11	.10	.11	T.			.10	.21	1.35	6.10
Roanoke	West Fork		.21	.31	.45	.07			T						.55	T.	02			.46			.21	T.		T.				.21	1.88	.43	4.80
Rockford†	do	.09	.22	.32	.55	.06	.02	T	T				T.		.58	T.	.16		.02	.38			.14	T						.13	2.05	.30	5.02
Rowlesburg^{2}	Cheat			.13	.60	.24	T	T.		.02	T.				.22	.42	.04	T.		.48			.14	.03	T.	.02	T.	T	T.	T.	.05	92	3.31
Saint Marys^{2}	Ohio		.04	35	.69	.05		.01	T.						.34	.27	.05			.32			.22						T	.12	1.05	.87	4.38
Salem	West Fork		.13	.45	.70	.03	T.		T	T					.45	T.	.04		.20	.20			.18	T		T.				.14	1.80	.25	4.57
Shinnston	do		.56	.50		T.	T.	T.	T						.10	.35	.40	.20	T	.15									.50	.35	.15	1.25	4.51
Terra Alta^{2}†	Cheat		.20	.45	T.	.25									.04	.10	.25			.60			.20	.30					T.	.10	.15	.87	3.51
Thomas^{2}	do		T.	.34	.59	.17	T.	.05	T.	T.	.03	T.		T.	.16	64	.10	.05		.75			.16	.16	T.	T.				.05	.04	.90	4.19
Valley Chapel	West Fork		.20	.33	.63	.10	T.			T.				.02	.48	.04			.01	.44			.13							.09	1.35	.46	4.28
Valley Head^{2}	Tygart			.04	.69	.05	.02	.02		T.	01	T.			.10	.25	.10	T.		.20			.08	.03	.02	.05	T.		T.	.06	.47	.96	3 15
Vandalia†	West Fork		.21	.29	49	.06									.51					.54											1.35	.45	3.90
Wellsburg (near)	Ohio		.20	.52	.70	.12	T.								.70	T	.20			.13								.30	.29	.07	.84	.14	4.21
West Milford	West Fork		.20	.30	.50	.08									.50	.10			.05	.35			.12							.15	1.10	.80	4 25
Weston^{2}	do			.38	.92	.22	.07			T.				T.	.31	.43	.10			.41			.12	.05		.02				.08	.26	1.58	4.95
Wheeling (Dam 12)^{2}	Ohio			.56	1.16	.13	.01			T.				.01	.31	.36	.18	.01		.18		T.	.08	T	.03	T.			.34	T.	.27	1.02	4.65
Southern Division																																	
Arbovale^{2}	Greenbrier		T	.46	.43	T	T.			T.					.48	.05	T.			.15			.02	T.	T.	T.				.15	.90	.33	2.97
Beckley	New			.50	.48	.05	T.	T.	T.	.04	.07		.11	.03	.35	.05			.09	.43			T.	.08	.09	.06			.06	.18	.87	.16	3.70
Bluefield	New				.36					T			.25		.10	.10			.40	.15			.19			.35			T.	.04	.36	*	2.30
Camden-on-Gauley^{2}	Gauley			.21	.90	.08	.03	.01		.02					.24	.08	.02			.64			.09	.03	.03	.02				.07	.36	1.00	3.83
Charleston^{2}	Gr. Kanawha.			.21	.58	.09	.01	.02		T.	T.			.03	.21	.25	.06			.60			.12	.07	T.					.13	.29	1.60	4.27
Clay^{2}	Elk			.31	.52	.11	.02	.01						T	.32	.19	.09			.73			.08	.02		.04				.16	.13	1.27	4.00
Flat Top^{2}	New	T.		.04	.45	.05	.01	.02		.02	.02	.01	.01		.38	.14	.01			.44			.01	.02	.01	.34	.03			.14	.24	.95	3.34
Gary^{2}	Big Sandy			.09	.04	.01				T.	T.	.01	.17	.03	.14	.25				.54			.08	T	.02	.16	.05			.03	.14	.30	2.06
Greenbottom^{2}†	Ohio		T.	.85	.44	.03								.08	.42	.14	T.			.64			.14	.05		T.				.05	.98	.48	4.30
Hinton^{2}	New			.06	.46					T.	.01	T	T	.09	.20	.02				.33			T.	T.		.09	T.			.12	.21	.52	2.11
Hogsett^{2}	Ohio			.81	.60	.05								.04	.35	.16	15			.98			.13	.04						.05	.93	.73	5.02
Huntington	do		.16	.95	.02	T.	T.		T				.05	.04	.53	.01			.16	.35			.08	.02		T.				.10	1.31		3.78
Institute^{2}	Gr. Kanawha.			.33	.36	.05	T.	.01		T.	T.			T.	.26	.17	T.			.55			.09	.05	T.	T.				.07	.20	1.21	3.35
Kanawha Falls^{2}†	do			.05	.50	T.	T.			T.	T				.10	.10				.20			.04	.10		.05					.05	1.00	2.19
Kayford^{2}	do		.05	.35	.66	.19	.02	.01		.01	T.		T	.05	.12	.22	.02			.35			.11	.02	.02	.01				.14	.14	.91	3.40
Lewisburg	Greenbrier			.58	14	T.	T.						T	T.	.29	.02				.08				.02	.03					.18	.76	.07	2.17
Logan^{2}	Guyandot			.40	.22	.03		T.		T	.01	T	.01	T.	.20	.17	T.			.51			.01	T.		.02	T.			.06	.34	.75	2.73
London Locks^{2}†	Gr. Kanawha.			.16	.52	.08	.02	T.						T.	.22	.15	T.			.35			.11	.04	T.	.02				.02	.13	1.07	2.89
Madison^{2}	Coal			.50	.21										.31	.14							.13	.06	.15	.03						.86	2.39
Marlinton	Greenbrier	T.	.06		.42		T.			T.					.53	.03			.05	.16			.03			T.				.32	.85	.20	2.65
Point Pleasant^{2}	Ohio		.02	.70	.51	.13	03							.05	.38	.23	T.			.64			.17	.01	.01	.01			T	.05	1.37	.65	4 96
Rainelle	Greenbrier			.43	.79	.09	.03		T.	.02			T.		.40	.05			T.	.35		T.	.06	.08	.03	.14				.25	1.16	.30	4.18
Ravenswood^{2}	Ohio		.03	.47	.72	.05	T.							.05	.30	.16				.44			.13	.02						.12	.75	.63	3.87

Continued on next page.

Daily Precipitation for March 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood 2	Gauley		.04	.85	.15	.03	.05			.03	.05			.10	.26	.05				.43			.15	.05	.04	.10			.12	.24	1.08	.37	4.1
Ryan	Gr. Kanawha		.18	.62	.12	.02	.01								.44	.05			.15	.30			.10	.10						.28	1.35	.08	3.8
Seneca State Forest†	Greenbrier		.09	.57	.33										.51	.06														.20	.76	.22	2.7
Spencer 2	Litl. Kanawha		.02	.63	.37	.06	T.			T.				.01	.20	.10	.10			.62			.13	.05	T.	T.				.23	.37	.50	3.3
Sutton	Elk		.12	.43	.63	.08	T.		T.	T.					.40	T.	T.			.27			.08	.10	T.	.05				.12	1.13	.49	3.9
Thornwood 2	Greenbrier		.06	.17	.80			.06					.26	.24		.10				.21			.05	.03	.04					.05	1.05	.30	3.4
Union	New				.60										.16		.25			.32						.11				.30	.81	*	2.5
Wayne 2	Twelvepole			.85	.38	.03	.01							.02	.43	.28				.31			.11	.06						.08	.81	.89	4.2
White Sulphur Spgs. 2	Greenbrier			.80										.25						.65			.05							.35	.10	.65	2.8
Williamson 2	Big Sandy			.39	.19	.02	T.	T.			.01		.01	T.	.28	.30	T.			.34			T.	T.	T.	.06				.05	.40	.90	2.9
Winfield Locks 2†	Gr Kanawha			.44	.52	.06	T.	T.						.01	.28	.17	T.			.72			.09	.03						.05	.28	.82	3.4

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for March 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard 3	Maximum	50	35	41	38	32	28	28	30	28	35	30	42	42	43	34	36	64	66	48	53	43	26	22	21	20	40	60	66	70	60	60	41.6
	Minimum	18	18	31	32	30	25	22	25	22	22	13	5	15	27	18	18	27	34	30	22	14	20	11	9	7	7	15	38	40	40	37	22.3
Beckley	Maximum	62	58	59	53	37	33	35	36	33	35	38	35	38	32	36	47	67	64	55	59	51	49	33	25	22	38	67	66	71	63	69	47.3
	Minimum	23	35	37	30	25	20	19	13	19	18	19	25	22	21	14	22	25	35	28	23	12	21	11	6	5	−2	28	40	44	35	33	22.8
Bluefield	Maximum	64	63	56	48	38	35	39	39	29	38	40	37	36	40	35	51	66	66	60	58	55	50	35	33	24	40	62	67	72	68	72	48.9
	Minimum	31	41	45	38	32	26	24	26	25	26	25	31	27	31	21	30	32	38	37	34	24	30	20	13	13	9	32	41	53	57	39	30.7
Brandywine	Maximum	58	49	40	16	47	50	47	44	45	46	40	41	47	38	40	42	65	70	60	65	52	46	30	32	30	45	70	78	75	65	75	50.9
	Minimum	28	35	35	36	37	30	26	22	25	26	20	14	32	34	18	24	28	32	40	27	15	30	19	10	14	7	25	40	40	50	40	27.7
Buckhannon	Maximum	50	48	61	55	36	35	35	34	35	37	32	55	55	42	32	40	65	65	55	47	47	32	35	30	25	38	65	68	72	68	70	47.2
	Minimum	26	29	38	35	29	26	26	[illegible]	29	28	18	18	28	32	24	25	27	35	36	28	20	28	24	14	13	10	35	35	45	45	62	28.9
Cairo	Maximum	54	66	69	40	40	37	38	38	41	47	49	57	58	32	45	67	70	67	59	57	49	35	30	43	63	63	67	77	77	70	70	54.0
	Minimum	30	41	39	35	31	32	23	32	23	15	19	38	31	24	23	24	28	34	26	19	25	18	10	7	30	40	44	47	50	40	35	29.5
Charleston 3	Maximum	68	68	70	45	43	37	45	37	40	47	41	45	54	40	50	54	73	70	58	62	54	40	34	34	32	46	72	73	78	76	78	53.7
	Minimum	32	32	43	42	22	25	33	23	28	33	25	28	29	38	28	25	33	32	38	34	25	29	23	22	19	20	20	42	50	50	44	31.2
Clarksburg 3	Maximum	54	49	66	44	39	34	35	33	37	42	36	52	58	44	34	42	67	70	52	56	47	32	28	29	29	43	64	69	76	59	68	48.0
	Minimum	25	25	39	42	[illegible]	30	30	29	29	26	17	17	17	40	23	21	23	30	33	26	17	21	17	12	12	8	13	39	46	51	42	26.9
Elkins	Maximum	56	48	60	46	35	30	30	30	32	38	33	51	50	46	25	42	[illegible]	66	49	55	44	45	23	23	22	38	64	68	72	64	65	45.7
	Minimum	29	31	46	32	30	27	27	26	25	24	15	15	36	25	20	20	27	49	33	25	18	19	14	11	9	5	33	53	55	39	39	27.7
Fairmont 3	Maximum	57	47	65	42	39	35	37	37	36	43	36	54	57	43	30	41	68	71	54	56	49	33	29	29	30	46	61	73	77	68	48	48.1
	Minimum	28	30	40	41	33	30	30	30	29	26	17	15	18	39	23	21	25	33	33	30	19	23	16	13	12	11	17	38	47	53	34	27.5
Flat Top	Maximum	58	45	56	36	32	30	37	28	25	32	36	30	31	32	36	44	63	60	45	52	47	33	25	18	20	43	60	61	65	58	65	41.9
	Minimum	33	36	36	36	27	22	20	20	21	21	22	22	24	25	15	15	33	37	32	31	18	21	14	8	7	8	10	42	49	51	35	25.5
Gary 3	Maximum	67	68	66	53	39	34	14	38	35	43	44	48	46	42	45	55	72	69	55	61	56	40	36	24	28	45	6	71	78	69	74	51.7
	Minimum	29	30	48	42	36	31	29	26	27	22	33	35	36	38	25	26	26	30	31	29	23	24	24	18	14	5	11	30	42	50	35	29.2
Glenville	Maximum	49	48	68	66	42	42	39	41	38	45	43	41	37	35	37	46	68	67	66	55	48	48	36	29	29	39	68	71	76	74	72	50.4
	Minimum	24	31	41	38	33	29	30	32	23	24	17	19	32	29	18	24	23	31	33	27	13	25	17	12	13	9	30	39	48	46	41	27.5
Grafton	Maximum	58	59	67	69	41	39	36	37	37	42	45	[illegible]	59	60	36	42	64	70	70	59	51	46	35	29	30	43	62	72	77	76	60	52.5
	Minimum	27	32	41	36	32	29	29	28	28	[illegible]	17	16	37	22	22	20	23	30	32	25	17	25	16	12	12	7	32	43	47	48	40	27.4
Huntington	Maximum	64	65	71	55	41	39	50	42	42	49	[illegible]	36	57	56	38	54	75	72	61	59	54	52	37	32	37	47	69	72	79	70	77	54.7
	Minimum	29	43	51	41	38	34	33	26	35	29	[illegible]	28	36	32	26	34	29	44	37	36	26	30	23	20	20	16	33	49	53	45	44	33.7
Lewisburg	Maximum	65	53	55	55	40	35	39	33	32	39	49	40	35	34	31	49	69	66	60	61	50	49	32	25	25	44	76	70	72	65	70	49.0
	Minimum	26	37	37	38	31	28	26	18	26	26	[illegible]	29	29	30	20	22	31	41	36	27	20	28	18	12	12	10	28	41	51	46	37	28.6
Logan 3	Maximum	71	75	69	45	41	37	47	36	39	45	45	47	53	42	51	57	75	70	60	62	58	43	38	27	36	47	72	75	77	65	78	54.3
	Minimum	31	31	50	45	38	34	33	26	26	28	30	32	35	34	28	28	29	31	37	31	26	26	26	26	20	15	19	35	50	52	39	32.0
Madison 3	Maximum	69	73	70	43	42	36	47	35	39	34	47	44	55	39	55	60	74	71	60	67	56	43	35	21	34	53	72	78	75	78	78	54.3
	Minimum	29	30	49	42	37	32	31	22	25	25	26	31	32	38	27	28	36	37	39	30	22	25	23	17	19	11	20	42	49	50	39	31.1
Mannington	Maximum	51	47	63	59	39	37	37	35	37	39	36	50	58	55	32	40	64	68	58	54	43	43	27	26	28	40	59	67	74	71	65	48.5
	Minimum	26	28	40	37	34	30	31	29	29	24	14	15	37	30	23	17	22	30	33	24	16	26	16	10	9	7	33	42	46	43	42	27.2
Marlinton	Maximum	63	58	50	50	42	37	39	35	35	41	42	37	39	39	32	48	68	70	67	58	52	41	30	29	26	48	70	73	71	62	69	49.1
	Minimum	23	29	35	39	32	27	26	13	26	28	17	19	28	28	20	18	23	26	36	23	16	26	17	12	12	9	24	32	49	49	35	25.7
Martinsburg 3	Maximum	51	36	36	41	45	43	48	46	45	44	40	41	39	35	35	47	60	63	60	65	48	40	35	32	32	48	68	59	61	58	71	47.5
	Minimum	33	34	32	32	35	35	33	30	31	28	21	16	18	29	30	25	27	31	33	32	24	29	18	17	15	17	25	35	40	41	44	28.7
Morgantown	Maximum	48	50	56	48	38	38	34	35	34	37	33	42	51	47	31	37	62	69	59	50	48	45	19	20	24	40	59	69	74	73	64	46.3
	Minimum	33	30	35	35	31	21	28	29	26	25	15	11	34	29	21	20	25	48	31	30	30	18	13	10	10	12	34	48	50	40	40	27.8
New Cumberland	Maximum	46	45	47	47	37	35	35	35	34	33	30	38	48	47	29	33	52	64	61	47	42	40	23	22	26	38	42	58	72	72	62	43.2
	Minimum	31	31	37	35	33	32	32	28	29	22	15	12	32	29	22	21	23	29	31	28	19	23	13	11	13	13	33	36	42	41	41	27.1
New Martinsville	Maximum																																
	Minimum																																
Parkersburg	Maximum	55	53	67	48	40	36	37	35	39	43	36	49	55	50	31	43	70	68	54	54	48	39	29	28	29	40	65	69	78	61	69	49.0
	Minimum	29	38	48	36	33	32	29	28	31	27	21	19	43	30	24	29	30	44	35	29	23	23	18	16	15	14	37	48	57	43	43	31.4
Pickens	Maximum	54	50	57	40	37	37	33	28	27	37	34	51	53	45	34	38	62	65	58	38	44	44	37	29	38	37	65	69	74	60	62	46.4
	Minimum	22	32	33	30	27	23	20	15	22	22	10	15	33	22	14	14	21	38	30	22	12	10	10	2	−3	−3	29	48	51	35	35	22.3
Point Pleasant	Maximum	61	62	70	53	40	38	47	45	41	49	44	42	55	53	35	54	74	68	58	57	52	51	35	34	33	42	67	72	77	74	76	53.5
	Minimum	26	39	48	40	37	32	33	25	33	28	22	21	38	33	25	30	28	35	36	32	24	28	20	17	18	14	33	49	52	46	43	31.8
Rainelle	Maximum	61	54	52	50	38	38	38	36	38	41	41	37	35	34	31	47	66	63	59	51	50	49	33	23	24	42	66	65	71	67	72	47.5
	Minimum	23	31	38	35	30	25	24	14	24	20	20	28	28	24	18	10	23	25	34	23	17	24	17	6	11	0	26	31	51	44	32	24.4
Ravenswood	Maximum	57	60	67	53	43	41	44	41	40	46	48	46	54	56	35	48	72	73	56	58	48	52	43	38	33	41	65	72	76	65	73	53.0
	Minimum	26	38	47	38	35	31	32	26	32	26	21	21	38	30	24	28	29	36	35	31	22	27	19	15	16	12	33	49	51	45	42	30.8
Richwood 3	Maximum	61	52	57	39	34	30	36	29	31	39	37	39	41	43	40	45	66	64	51	55	50	32	24	22	34	42	66	68	71	65	67	46.1
	Minimum	28	41	38	31	27	26	16	15	25	20	21	23	32	20	14	24	28	30	27	18	19	17	8	11	3	5	33	42	55	37	42	25.0
Romney	Maximum	55	49	38	58	45	44	41	47	45	42	38	45	41	39	35	39	61	73	63	61	51	48	38	29	28	44	67	65	69	68	68	49.5
	Minimum	27	35	34	35	34	34	32	33	30	30	21	13	30	33	26	22	22	30	37	28	20	28	20	17	15	21	30	46	41	44	44	29.4
Spencer 3	Maximum	61	56	69	42	40	35	40	39	42	45	40	46	54	38	45	47	71	67	56	58	51	37	29	29	35	50	68	72	79	56	73	50.6
	Minimum	25	38	41	41	35	31	31	21	27	24	21	21	40	37	24	34	25	45	34	30	21	23	19	14	16	10	35	50	50	53	42	30.9
Sutton	Maximum	61	61	70	70	46	40	39	39	36	45	45	48	53	53	35	47	70	70	69	56	53	49	35	27	29	42	72	73	76	76	70	53.4
	Minimum	27	34	46	40	35	31	31	20	30	27	18	21	35	31	23	21	25	30	36	21	20	28	19	12	12	8	30	43	53	49	41	28.9
Wardensville 3	Maximum	56	44	38	53	47	40	42	45	41	44	43	43	40	38	35	46	65	71	68	63	54	46	31	30	29	45	71	66	69	66	70	49.6
	Minimum	25	33	33	34	34	32	31	30	31	22	17	12	28	31	27	18	22	26	38	26	17	28	20	16	14	19	28	39	39	49	42	27.8
Weston	Maximum	56	50	69	60	40	40	37	36	47	48	39	52	56	55	38	45	68	68	56	55	51	49	32	30	30	42	62	72	76	75	69	51.7
	Minimum	30	39	42	33	35	30	31	29	28	30	19	17	38	33	22	33	34	50	34	30	20	30	18	15	14	10	36	45	54	43	42	31.1
Wheeling 3	Maximum	46	44	60	38	38	37	37	35	39	36	35	46	55	36	32	40	57	66	52	50	43	29	26	25	30	42	53	61	75	51	65	44.5
	Minimum	30	31	35	36	34	32	33	29	28	25	18	14	16	36	24	25	26	32	32	30	21	25	15	12	14	14	16	36	42	50	43	27.5
Williamson 3	Maximum	71	74	67	46	41	38	50	37	39	46	43	50	55	40	51	60	76	69	62	62	58	45	41	27	37	42	71	74	76	60	79	54.4
	Minimum	31	32	48	45	38	34	33	29	29	27	32	33	35	39	28	30	29	34	37	33	27	30	27	23	18	17	21	34	48	53	39	32.7

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

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VOL. XLVIII PARKERSBURG, W. VA., APRIL 1940 No. 4

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GENERAL SUMMARY

The month was the coldest April since 1928 and the seventh coldest April of record. The cold periods were: 9th to 15th and 19th to 28th; while the warm periods were: 1st to 4th, 16th to 18th, and in the west portion from the 29th to 30th. It was the fourth wettest April of record. Practically all of the precipitation fell during the first two decades. Only six stations, all in the southern division, reported deficiencies in precipitation. Snowfall was about normal and was noted throughout the State.

The weather was unfavorable for vegetation and farm work. The cold rains hindered the planting of normal Spring crops. Seeds that were planted were slow in germinating or else rotted in the ground. Fruit was blooming late.

The Ohio River was near flood stage on the 2d and 3d, due to the rains of the latter part of March. The almost incessant rains of the second decade caused a second and greater rise to above flood stage on the 20th, cresting on the 21st and 22d, with stages 6.5 feet to 11.6 feet above flood stage. The Little Kanawha at Creston and the West Fork at Clarksburg also reached flood stage on the 20th. No severe losses were reported, due to timely warnings and efficient methods of evacuation.

TEMPERATURE

The average monthly temperature for the State, based on the records of 60 stations, was 49.2°, or 2.5° below the normal. The mean for the northeastern panhandle division was 47.3°; for the northern division, 48.6°; and for the southern division, 50.5°. The highest monthly mean was 54.2° at Huntington and the lowest, 41.2° at Bayard. The highest temperature was 86° at Logan on the 3d and the lowest, 10° at Beckley on the 13th and Pickens on the 14th. The greatest daily range was 62° at Seneca State Forest on the 6th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 107 stations, was 5.13 inches, or 1.55 inches above the normal. In the northeastern panhandle division the average was 5.06 inches; in the northern division, 5.62 inches; and in the southern division, 4.29 inches. The greatest monthly precipitation was 8.43 inches at Rowlesburg and the least, 2.98 inches at Kanawha Falls. The greatest amount in any 24 consecutive hours was 2.06 inches at Beckley on the 20th. The average snowfall was 1.9 inches, or 0.1 inch above normal. The greatest monthly snowfall was 13.0 inches at Spruce Knob. The average number of days with .01 or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																															
Fogs, dense				5		4		1	3	2	1	1				6	4	1	2	3		1			3	1	2	2			
Gales		1	3	10	3	1		1	1		1	1	2	1			1				1	1	1	1	1						
Hail	1		2					9	1							1															
Halos, lunar																						1	1			1					
Halos, solar			1			1				3	1																				
Sleet									1			3	1										1								
Thunderstorms	7	6	21	7				13	1						6	14	23		1											1	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.98	30.43	27	29.56	20	9.5	26	e.	19	74	51	60	45
Columbus, Ohio	29.98	30.41	27	29.51	20	10.7	37	w.	4	75	58	61	47
Elkins	29.98	30.46	28	29.45	20	7.2	32	sw.	3	84	58	65	44
Parkersburg	29.97	30.43	28	29.46	20	7.4	27	w.	13	72	52	53	36
Pittsburgh, Pa	29.98	30.46	28	29.52	8	11.7	41	n.	3	73	52	60	41
Wytheville, Va	29.97	30.41	28	29.42	20	7.9	32	nw.	3	72	51	58	47

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0			1.64	3.08	2.50	2.81					
1892	50.6	87	17	3.16	4.31	4.83	4.28		7			
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93		9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06		8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97		9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14		11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
Period	51.7	101	−4	3.14	3.76	3.51	3.58	1.8	11	11	8	11

Climatological Data for April 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	41.2	−2.5	75	29	15	13	51	7.34	+3.50	1.80	6.0	16	10	8	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	48.5	−1.4	80	4	20	6	50	3.67	+1.00	.90	T.	8	10	3	17	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51	......	......	......	......	......	......	......	4.90	+1.65	1.40	T.	13	......	......	......	......	Miss Eleanor White
Inwood	Berkeley	569	8	45.7	......	70	18	22	14	31	4.35	......	1.00	1.0	12	9	6	15	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	49.6	......	80	30	20	14	42	4.58	......	1.51	......	12	8	12	10	n.	University Exper. Station
Martinsburg	Berkeley	435	48	49.1	−2.5	81	4	24	§13	46	5.06	+1.95	1.40	T.	15	11	13	6	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	45.6	−6.2	75	11	18	7	51	4.65	+1.69	1.36	T.	11	5	12	13	w.	R. E. Saville
Piedmont	Mineral	1,053	27	47.2	−3.2	78	29	23	13	47	5.63	+2.62	1.32	T.	12	7	12	11	se.	C. A. Suter, Jr.
Romney	Hampshire	824	42	49.3	−2.4	78	29	25	14	47	4.23	+1.26	1.10	T.	10	6	8	16	......	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8	......	......	......	......	......	......	......	5.35	......	.58	13.0	17	......	......	......	......	Moses R. Bennett
Stony River Dam	Grant	3,300	20	......	......	......	......	......	......	......	6.55	+2.80	1.46	10.0	14	3	5	22	w.	A. C. Becker
Wardensville	Hardy	1,200	19	46.6	−3.0	77	§4	23	§13	48	5.05	+2.54	1.24	.3	15	6	8	16	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16	......	......	......	......	......	......	......	6.58	+2.78	1.24	2.3	14	4	13	13	......	L. Esle Bond
Alma (near)	Tyler	800	13	......	......	......	......	......	......	......	4.77	+1.40	1.00	1.8	12	9	5	16	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	43.6	......	74	3	12	13	45	6.04	......	1.49	2.0	16	4	15	11	......	Christian Hertig
Benson	Harrison	1,080	16	49.0	−3.6	82	§3	18	§6	54	5.45	+2.24	1.20	3.5	17	8	16	6	......	R. D. Marts
Bens Run	Pleasants	652	38	48.8	−4.0	81	29	24	13	41	5.79	+2.23	1.37	.8	12	17	6	7	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	50.4	−1.9	84	29	24	§13	54	5.03	+1.67	1.05	1.0	16	5	14	11	......	M. D. Hawkins
Buckhannon	Upshur	1,411	43	50.6	− 5	80	3	22	13	43	5.53	+1.64	1.12	2.0	14	12	9	9	......	H. A. Darnall
Cairo	Ritchie	680	39	51.2	−2.8	85	§3	22	14	44	4.78	+1.32	1.10	.2	15	7	16	7	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	47.2	−4.0	85	3	23	§6	50	5.24	+1.87	.75	2.0	13	11	3	16	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	17	......	......	......	......	......	......	......	5.28	+1.05	1.15	1.8	16	8	9	13	sw.	George W. Blair
Creston	Wirt	640	38	48.6	−4.8	80	30	21	15	47	4.82	+1.16	1.05	.6	15	6	10	14	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19	......	......	......	......	......	......	......	5.33	+1.86	.84	1.7	15	......	......	......	......	Lockmaster
Dam 13 O. R	Marshall	655	24	......	......	......	......	......	......	......	5.20	+1.88	1.54	T.	16	......	......	......	......	Lockmaster
Dam 15 Mon. R	Marion	882	19	......	......	......	......	......	......	......	5.02	+1.73	.90	1.0	13	......	......	......	......	Lockmaster
Dam 19 O. R	Wood	600	24	......	......	......	......	......	......	......	4.72	+1.54	1.63	.4	14	......	......	......	......	Lockmaster
Dam 20 O. R	Wood	600	24	......	......	......	......	......	......	......	5.33	+2.09	1.58	......	14	......	......	......	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28	......	......	......	......	......	......	......	4.74	+1.57	1.01	1.2	14	......	......	......	......	Lockmaster
Elkins	Randolph	1,927	39	46.9	−1.9	78	29	17	13	46	4.86	+1.24	1.49	4.1	16	3	5	22	n.	U. S. Weather Bureau
Fairmont	Marion	883	34	48.6	−3.2	83	§3	23	§13	47	5.54	+2.27	.93	2.0	15	9	5	16	w.	J. C. Robinson
Glenville	Gilmer	738	46	49.6	−4.3	79	§3	22	§6	47	4.99	+1.23	.90	.8	15	7	9	14	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	50.6	−.9	84	§3	22	§6	47	5.78	+2.49	1.04	2.7	16	9	8	13	......	L. W. Clayton
Hastings	Wetzel	809	5	......	......	......	......	......	......	......	4.84	......	.94	T.	17	10	6	14	w.	L. G. McIntyre
Horner	Lewis	1,044	17	......	......	......	......	......	......	......	6.08	+2.72	1.31	......	13	......	......	......	......	Foster R. Hardman
Jane Lew	Lewis	1,020	17	......	......	......	......	......	......	......	5.84	+2.19	1.41	3.0	15	......	......	......	......	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	48.5	−2.1	80	29	20	6	49	5.83	+2.41	1.31	1.5	12	7	7	16	w.	Allen Smith
Mannington	Marion	974	37	47.9	−3.2	81	3	21	§6	49	5.03	+1.33	.89	1.2	17	8	4	18	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	51.0	−.7	82	27	20	§13	49	6.26	+3.11	1.12	4.0	13	14	5	11	......	Bruce Davis
New Cumberland	Hancock	671	42	46.2	−3.0	78	29	24	§2	45	6.00	+2.72	1.50	T.	12	9	1	20	nw.	C. O. Valentine
New Martinsville	Wetzel	634	46	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Wm. Ankrom
Parkersburg	Wood	615	53	49.8	−3.6	82	3	24	13	35	4.44	+1.25	1.70	.5	14	7	9	14	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	48.4	−.8	81	29	19	14	50	5.88	+2.12	....	3.0	12	6	5	19	......	J. W. Swisher
Philippi	Barbour	1,300	43	......	......	......	......	......	......	......	6.83	+3.11	1.27	1.8	16	......	......	......	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	37	47.5	−.6	80	29	10	14	45	6.04	+.85	1.11	11.0	15	11	4	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17	......	......	......	......	......	......	......	4.98	+1.40	1.05	.5	13	9	5	16	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52	......	......	......	......	......	......	......	8.43	+4.24	1.84	1.0	16	......	......	......	......	W. H. Bolyard
Saint Marys	Pleasants	625	32	......	......	......	......	......	......	......	5.57	+2.15	1.18	......	14	......	......	......	......	Edward Hughes
Terra Alta	Preston	2,559	39	44.2	−2.6	84	3	15	13	50	7.35	+3.25	1.20	2.5	12	5	16	9	w.	John Dee Williston
Thomas	Tucker	3,000	11	......	......	......	......	......	......	......	6.88	+2.70	1.55	8.0	17	......	......	......	......	W. Sleeman
Valley Chapel	Lewis	1,011	17	51.1	−2.0	83	§3	17	14	51	6.04	+2.63	1.15	1.5	17	7	11	12	w.	S. A. Spence
Vandalia	Lewis	1,120	17	......	......	......	......	......	......	......	5.32	+1.62	1.25	3.0	13	......	......	......	......	James B. Kelley
Wellsburg (near)	Brooke	668	33	46.8	−2.8	82	29	13	6	53	6.50	+3.34	1.38	1.0	13	11	7	12	......	George P. Pfister
West Milford	Harrison	979	15	......	......	......	......	......	......	......	5.85	+2.03	1.03	......	14	......	......	......	......	Scotland G. Highland
Weston	Lewis	1,026	45	51.0	−1.8	82	§29	23	§13	48	6.22	+2.71	.95	2.5	16	1	20	9	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	47.0	−4.6	82	28	25	§13	50	5.24	+2.01	1.70	1.5	14	6	10	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14	......	......	......	......	......	......	......	3.68	+.46	.98	2.0	14	10	1	19	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	47.5	−2.7	77	3	10	13	49	6.42	+2.94	2.06	5.5	19	6	11	13	......	L. A. Mauck
Bluefield	Mercer	2,558	45	51.8	−1.8	78	3	18	13	39	4.01	+.90	1.22	1.0	13	13	6	11	......	Norfolk & Western Ry.
Charleston	Kanawha	602	37	52.5	−3.8	84	3	25	§12	47	6.52	+2.65	1.12	.5	15	12	3	15	......	Charleston Daily Mail
Clay	Clay	790	24	......	......	......	......	......	......	......	3.73	+.29	.81	T.	13	......	......	......	......	L. E. Woofter
Flat Top	Mercer	3,260	2	......	......	......	......	......	......	......	......	......	......	......	..	......	......	......	......	U. S. Airway Station
Gary	McDowell	1,426	24	51.8	−1.6	81	3	23	13	46	3.88	+.39	1.32	.1	13	......	......	......	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	50.4	......	81	30	22	13	42	3.62	......	.77	1.0	13	9	4	17	sw.	State Forest Nursery
Hinton	Summers	1,431	43	51.4	−1.8	84	§3	......	......	......	4.03	+.83	1.43	.2	13	......	......	......	......	Mrs. M. L. McClung
Hogsett	Mason	564	24	......	......	......	......	......	......	......	4.09	+.82	1.38	1.0	15	......	......	......	......	Lockmaster
Huntington	Cabell	571	43	54.2	−.4	83	§3	26	13	41	3.25	−.26	1.07	.8	13	4	14	12	ne.	H. N. Robinson
Institute	Kanawha	616	2	51.5	......	84	3	23	13	45	3.82	......	.90	T.	13	......	......	......	......	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	21	......	......	......	......	......	......	......	2.98	−.74	.70	......	10	......	......	......	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	24	......	......	......	......	......	......	......	3.97	−.09	1.03	2.0	15	......	......	......	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	49.9	−.6	77	3	18	§13	42	4.59	+1.27	1.00	T.	19	6	10	14	......	J. K. Monroe
Logan	Logan	700	37	53.4	−3.9	86	3	26	§13	50	3.85	−.30	.66	T.	12	7	5	18	......	Paul A. Simonds
London Locks	Kanawha	623	4	51.6	......	84	3	21	14	56	4.64	......	1.12	.4	15	......	......	......	......	Lockmaster
Madison	Boone	675	19	52.8	−1.5	85	4	24	14	48	3.17	−.67	.96	......	8	4	20	6	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	48.8	+2.0	78	3	17	13	50	4.56	+.94	.93	T.	15	1	22	7	......	Edward A. Moore
Point Pleasant	Mason	595	41	53.3	−1.6	82	3	24	13	38	4.79	+1.48	1.45	.2	17	8	10	12	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	47.3	......	77	3	11	§13	46	5.98	......	1.63	.5	18	11	2	17	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	52.0	−1.8	80	29	21	6	47	4.32	+1.16	1.33	......	12	6	2	22	ne.	Lockmaster
Richwood	Nicholas	2,193	10	46.8	......	80	3	17	13	43	3.74	......	.52	6.5	17	7	12	11	se.	Cherry River Paper Co.
Ryan	Roane	700	37	48.9	−3.1	79	3	21	§6	49	4.22	+.44	.97	1.4	13	4	13	13	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	46.4	......	79	3	14	6	62	4.87	......	1.11	....	7	4	18	8	ne.	Supt., State Forest
Spencer	Roane	789	36	49.6	−3.2	82	3	23	§13	39	5.11	+1.72	1.00	1.0	15	5	11	14	......	A. M. McKown
Sutton	Braxton	850	34	51.4	−1.4	83	§29	19	14	49	4.93	+1.08	1.03	3.0	15	......	......	......	......	C. B. Eakle
Union	Monroe	2,250	36	48.6	−3.2	79	3	18	§13	50	3.66	+.77	1.00	1.0	11	8	9	13	......	C. B. King
Wayne	Wayne	598	13	......	......	......	......	......	......	......	3.48	−.18	1.07	.8	11	......	......	......	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	45.4	−5.0	76	§3	19	13	46	5.65	+2.37	1.30	......	11	9	3	18	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	40	53.8	−1.7	84	3	27	13	51	3.92	+.24	1.16	.2	10	6	12	12	nw.	J. E. Dotson
Winfield Locks	Putnam	570	2	51.2	......	83	3	25	13	48	3.74	......	.81	T.	14	7	9	14	sw.	Lockmaster
State averages and	extremes	......	....	**49.2**	**−2.5**	**86**	**3**	**10**	**§13**	**62**	**5.13**	**+1.55**	**2.06**	**1.9**	**14**	**8**	**9**	**13**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates ‖ Incomplete.

Daily Precipitation for April 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.23			.45	T.			.50	.25	.05		T.	.10	.40	.35	1.11	1.80	.39	.60	.63	.43	.03		.02								7.34
Brandywine	do								.90						T.	.50	.10	.67	T.	.43	.62	.10			.35						T.		3.67
Brushy Run[2]	do	.30			.31				.25	.54				T.	.03		.39	1.03	.07	.14	.88	.21			.37	.03							4.55
Harpers Ferry[2]	do				.44				.26	1.40				.25	.13		.05	.61	.05	.13	1.10	.39	.05			.04		T.					4.90
Inwood	do			.35					1.00	.50			.15	.05	.03	T.	.06	.70	.05	.50	.78	.18											4.35
Kearneysville	do			.06	.35				1.51	.08			.17				.21	.48	.06	.49	1.07	.09				.01							4.58
Knobly Mountain[2]†	do	.14			.58	T.			.44	.45				T.	T.		.60	.84	.23	.30	1.10	.65	T.		.25	T.							5.58
Martinsburg[2]	do	.05			.60				.30	1.40			.03	.18	.10	.01	.05	.90	.03	.20	1.00	.18	.03										5.06
McNeill	do	.07		T.	.22			T.	.88	T.			T.	T.	T.	.44	.11	1.36	.38	.03	.64	.26			.26						T.		4.65
Petersburg	do			.03	.36				.87	.02						.20	.34	1.00	.50	.41	.60	.17			.39								4.89
Piedmont	do			.06	.93				1.05	.02				T.	T.	.29	.21	.38	.28	.53	1.32	.37			.19								5.63
Romney	do				.36				1.10				.09			.19	.16	.60		.47	.95	.14			.17								4.23
Spruce Knob[2]†	do	.56	T.		.18		T.		.47	.32	.20		.17	.12	.09	T.	.49	.71	.22	.46	.58	.27	.04		.39	.08							5.35
Stony River Dam[2]†	do	.22			.62				.42		.05		.05	.20	.30		1.18	1.46	.36	.45	.82	.22			.20								6.55
Wardensville	do	.02			.21				.13	.81	.01			.09	.01		.63	1.24		.22	.97	.28	.02		.40	.01							5.05
Northern Division																																	
Aberdeen†	West Fork	.06	T.		.18	T.		T.	1.07	.09	T.		.62	.06	.11	.48	.22	1.12	.39	1.24	.28	.66	T.		T.	T.					T.		6.58
Alma (near)	Ohio			.18					.80	.12			T.	.30	.31	.64	.21	.56	.29	1.00	.32	.04											4.77
Alpena	Cheat	.11		.13		T.		T.	.77	.35			.12	.10	T.	1.05	.23	1.49	.12	.50	.48	.19	.14		.24			.02					6.04
Belington[2]	Tygart	.20			.19		T.		.23	.35	.12		.41	.11	.12	T.	.77	1.15	.41	.59	.53	.62	.01		.04	T.							5.85
Benson†	West Fork	.05	.03		.06				.67	.15			.60	.05	.05	.40	.40	.55	.50	1.20	.10	.60			.02						.02		5.45
Bens Run	Ohio			.20				T.	.16	.07		T.	.55	.08		.63	.48	1.16	.37	1.37	.70	.02											5.79
Big Skin Creek	West Fork	.09	.10	.05		T.		T.	.78	.11		T.	.45	.18	T.	.36	.21	.66	.33	1.18	.23	.42				.05							5.20
Brownsville†	do	.01	.02						.78	.07	.01		.50	.05	.11	.25	.13	.61	.55	1.05	.31	.56									.02		5.03
Buckhannon	Tygart	.05	T.	.15				T.	.55	.15			.55	.16	.12	.40	.16	1.12	.26	1.10	.25	.51									T.		5.53
Cairo	Litl.Kanawha		.20	.02	.20				.40	.09			.64	.04	.05	.24	.16	.53	.50	1.10	.49	.12											4.78
Clarksburg[2]	West Fork	.12			.10				.30	.66			.52	.02	.11		.67	.75	.18	.71	.44	.66											5.24
Crawford	do	.03	.20	.10		T.		T.	.81	.09			.57	.08	.13	.13	.16	.90	.16	1.15	.38	.37			.02						T.		5.28
Creston[2]	Litl.Kanawha	.05		.20					.10	.60			.60	.01	.01	.05	.11	.57	.50	.83	1.05	.12	T.		.02								4.82
Dailey[2]†	Tygart	.22		T.	.03	T.			.37	.22	.07		.15	.09	.06	T.	.52	1.72	.14	.23	.39	.20	.01		.15	.01							4.58
Dam 10, Mon. R.[2]†	Monongahela	.15		T.	.84	.01			.22	.64	.03		.57	.03	.09		.68	.31	.28	.56	.72	.20	T.										5.33
Dam 13, O. R.[2]†	Ohio	.06			.39				.12	.55	.08		.85	.02	.07		.33	.08	.42	.38	1.54	.25	.02		.04								5.20
Dam 15, Mon. R.[2]†	Monongahela	.09			.50	T			.18	.88	T.		.53	.04	.08	T.	.90	.37	.15	.58	.52	.20	T		T.								5.02
Dam 19, O. R.[2]†	Ohio	.05		.18	.24				.08	.18			.55	.02	.02		.20	.25	.50	.57	1.63	.25									T.		4.72
Dam 20, O. R.[2]†	do	.03		.35	.34				.06	.20			.46		.05		.29	.56	.67	.53	1.58	.20			.01						T.		5.33
Elizabeth (Dam 3)[2]	Litl.Kanawha	.04	T.	.32	.08				.06	.68			.54	T.	.12		.21	.38	.38	.74	1.01	.14			.04								4.74
Elk†	West Fork								.85	.10			.55	.27		.65		1.65	.45	1.15	.80	.20											6.67
Elkins[1]‡	Tygart			.04		T.		.12	.56	.11		.01	.53	.17	T.	.71	.99	.51	.17	.58	.19	.08		.01	.08	T.	T.				T.		4.86
Fairmont[2]	Monongahela	.10			.48	.01			.40	.61	.02		.55	.05	.15		.93	.78	.16	.65	.43	.22											5.54
Glenville[2]	Litl.Kanawha	.12	.04	.14					.22	.29	.05		.39	.07	.21		.22	.64	.39	.90	.84	.47			T.								4.99
Grafton	Tygart				.25	.01			.45	.24			.60	.25	.16		.88	.93	.22	1.04	.35	.30	.03	.01	.06								5.78
Hackers Creek†	West Fork				.14				.70	.34			.45	.10		.51	.09	1.16	.36	1.21	.32	.54											5.92
Hall[2]	Tygart	.14			.04		T.		.22	.30	.11		.48	.10	.07	T.	.60	1.11	.46	.74	.68	.56	T.		.03								5.64
Harrison Co. Airport	West Fork	.05			.05	T.			.32	.61	.03		.52	.05	.15		.83	.62	.10	.74	.43	.48	T.										4.98
Hastings	Ohio		.02	.04	.65	T.		.04	.09	.13	.01		.76	.05	.01	.06	.41	.35	.60	.94	.46	.22			T.								4.84
Horner	West Fork	.10							1.00	.90			.40	.10	.05	.50	.75	.25	.20	1.31	.50				.02								6.08
Ireland	do		.17	.05				.02	.81	.17			.53	.06		.34		1.10	.47	.78	.35	.48											5.33
Jane Lew	do	.05		T.	.03				.96	.05			.51	.01	.04	.39	.17	1.00	.37	1.41	.50	.34									.01		5.84
Kumbrabow St. For.†[2]	Tygart																																
Lost Creek	West Fork		T.	.44	T.			T.	.90	.08		T.	.51	.09	T.	.47	.23	.58	.31	1.31	.47	.44			T.						T.		5.83
Mannington	Monongahela			.42	.22	.02		.03	.71	.06			.62	.08	.03	.77	.17	.23	.31	.89	.25	.20			.02								5.03
Midvale[2]†	Tygart	.16			.12		T.		.11	.61	.22		.39	.03	.05	T.	.58	.95	.33	.61	.61	.63			.05								5.45
Morgantown	Monongahela			.65				.10	1.12	T.		T.	.65	*	*	.60	.55	.35	.33	1.00	.80	.11											6.26
Mt. Clare	West Fork	.04		.34				T.	1.00	.06		T.	.56	.08	T.	.58	.18	.68	.41	1.22	.45	.34			.02						T.		5.96
New Cumberland	Ohio			*	.61			.08	.40			.86	.17	.12			.20	.37	.51	1.50	1.18												6.00
New Martinsville	do																																
Parkersburg[1]‡	do	T.	.13	.20				.02	.24	.01		.48	.05	.04		.25	.20	.73	.19	1.59	.31			T.	T.	T.					T.		4.44
Parsons	Cheat		T.					*	1.05	T.			.10	*	*	*	*	*	*	*	4.57	T.			.16	T.							5.88
Philippi[2]	Tygart	.14		T.	.09		T.		.23	.53	.08		.54	.08	.05	T.	.83	1.27	.29	1.10	.67	.86	.01		.06		T.						6.83
Pickens	do	.09	.19	.09				.16	.58	.30			.45	.60		.53		1.11	.44	.72	.32	.22		T.	.24						T.		6.04
Pickens No. 2	do	.16		.20		T.	.15		.45	.43	.44		.56	.30	.31		.18	.64	.45	.76	.51	.81			.27	.02							6.64
Roanoke	West Fork		.18						.78	.07			.50	.03	.02	.24	.15	.72	.44	1.05	.27	.53				T.					T.		4.98
Rockford†	do	.02	.02			T.		T.	1.16	.09			.47	.20		.52	.67	.67	.46	1.28	.30	.61								.02	T.		6.49
Rowlesburg[2]	Cheat	.29			.55	T.			.34	.51	.15		.48	.10	.11	T.	1.16	1.84	.46	1.06	.80	.36	.06		.16								8.43
Saint Marys[2]	Ohio	.13		.01	.30				.04	.32			.68	.04	.12		.56	.61	.43	.80	1.18	.35											5.57
Salem	West Fork	T.		.30		T.		T.	.85	.08			.54	.08		.65	.07	.90	.50	.90	.50	.18				T.					T.		5.55
Shinnston	do			.20					.25	.45		.10	.05	.40		1.10	.30	.50	.40	.40	1.00										T.		5.15
Terra Alta[2]†	Cheat	T.		1.20		T.			.95	.20			.50	.20		1.20	.80	.50	.40	.90	.30				.20						T.		7.35
Thomas[2]	do	.05			.77				.42	.50	.17		.25	.10	.10	.02	1.55	.65	.65	.55	.75	.10	.05		.20	T.							6.88
Valley Chapel	West Fork	.05	.01		.03				1.08	.11	.02		.50	.12	.11	.35	.21	1.07	.35	1.15	.34	.52			.02								6.04
Valley Head[2]	Tygart	.32		.08	.02	T.	T.		.41	.26	.07		.12	.10	.19	T.	.15	.35	.13	.43	.55	.41	T.		.46	.03							4.08
Vandalia†	West Fork		.24	.19					.48	.06			.40	.15		.44	.27	.67	.36	1.25	.25	.56											5.32
Wellsburg (near)	Ohio			.74	.30			T.	.40	.03		.11	.82	.10			.56	.20	.39	1.38	1.29	.18									T.		6.50
West Milford	West Fork	.05		.12					.85	.10	.05			.60	.05	.55	.10	.80	.40	1.03	.95	.20											5.85
Weston[2]	do	.12	.08	.04	.08				.36	.78	.09		.46	.10	.15	T.	.48	.62	.38	.92	.95	.61											6.22
Wheeling (Dam 12)[2]	Ohio			.02	.59	.02			.10	.60	.04		.86	T	.10		.21	.06	.40	.38	1.70	.16			T.						T.		5.24
Southern Division																																	
Arbovale[2]	Greenbrier		.03	.09		T.		T.	.98	.02			.18	.10	.10	.15	T	.47	.20	.60	.40	.02		T.	.34								3.68
Beckley	New	.33		.17	.23	T.		.06	.77	.16			.34	.12	.23	.04		.23	.11	.76	2.06	.18		.23	.25		.07				.08		6.42
Bluefield	New	.28	.03		.44				.22	.06			.18	.10						.60	1.22	.36		.02	.44						.06		4.01
Camden-on-Gauley[2]	Gauley	.20		.08					.25	.40	.12		.32	.13		.03			.23	.74	.39	.41	.02		.67								3.99
Charleston[2]	Gr. Kanawha	.90	.17	.19	.05				.90	.55	T.		.42	.10	.03		T.	.02	1.12	.69	.68	.22			.48								6.52
Clay[2]	Elk	.19	T.		.01				.16	.37	.16		.36	.12	T.		.02	T.	.47	.45	.81	.28			.33								3.73
Flat Top[2]	New																																
Gary[2]	Big Sandy				1.32	.02			.15	.19	.04		.28	.01		.02			.01	.32	.72	.41			.39								3.88
Greenbottom[2]†	Ohio	.06	.21	T.				.02	.26	T.			.46	.07	.03				.49	.77	.76	.16			.30						.03		3.62
Hinton[2]	New	.25	.03		.12			T.	.35	.14	T.		.08	.04	.09	T.			.06	.38	1.43	.77	T.		.29			T.					4.03
Hogsett[2]	Ohio	.05	.03	.09	T.			.03	.20	.10	.01		.50	.04	.06			T.	.37	.91	1.38	.14			.18						T.		4.09
Huntington	do	.04						.10	.23	T.		.04	.30	.01				.55	.19	1.07	.35	.09		.05	.23						T.		3.25
Institute[2]	Gr. Kanawha	.07	.10	.23	.04				.15	.32	T.		.24	.12	T.		T.		.78	.49	.66	.21			.41						T.		3.82
Kanawha Falls[2]†	do	.15	.10		T.				.10	T.			.35	T.	.08			.20	T.	.60	.70	.20			.50						T.		2.98
Kayford[2]	do	.16	.01	T.	.20			.05	.05	.20	.06		.48	.20		.05			.15	.59	1.03	.40			.34								3.97
Lewisburg	Greenbrier	.34	.33	.23	.19			.02	.95	.25	T.	.01	.12	.03	.03			.05	.04	.55	1.00	.01		.12	.26		T.				.06		4.59
Logan[2]	Guyandot	.40	.02		.50			.02	.17	.27	T.		.54	T.	T.				.26	.66	.52	.16			.33								3.85
London Locks[2]†	Gr. Kanawha	.14	.12	.13	.08				.05	.46	.06		.43	.07	.08				.49	.58	1.12	.39			.44								4.64
Madison[2]	Coal								.20	.10							.57		.22	.96	.50	.23			.39								3.17
Marlinton	Greenbrier	.51	.12	.04	.06				.93	.02			.15	T.	.05		.04	.34	.18	.93	.67	.04			.48								4.56
Point Pleasant[2]	Ohio	.07	.02	.14	T.			.02	.20	.07	.02		.45	.02	.03			.75	.48	.83	1.45	.09			.10						.05		4.79
Rainelle	Greenbrier	.32	.32	.15	.05	T.		T.	.85	.40		.01	.24	.10	.10	T.		.13	.10	.88	1.63	.22		.18	.18		T.				.12		5.98
Ravenswood[2]	Ohio	.08		.11	.03								.47	.03	T.		.03	.57	.55	.76	1.33	.34			.02								4.32

Continued on next page.

Daily Precipitation for April 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	.03	.12	.10	....	.02	....	....	.22	.51	.15	....	.30	.18	.12	....	....	....	.14	.45	.52	.35	.05	....	.46	.02	....	....	....	....	....	....	3.74
Ryan	Gr. Kanawha	.05	.04	....	....	....	....	.20	.45	.13	....	....	.44	.09	....	....	....	.63	.27	.97	.77	.09	....	....	.09	....	....	....	....	....	....	....	4.22
Seneca State Forest†	Greenbrier	.78	.09	....	....	....	....	....	1.11	.60	....	....	....	....	....	....	....	.68	....	.93	.68	....	....	....	....	....	....	....	....	....	....	....	4.87
Spencer[2]	Litl.Kanawha	.07	....	.09	T.	....	....	T.	.20	.60	.02	....	.48	.10	.07	....	.02	1.00	.63	.70	.92	.13	....	....	.08	....	....	....	....	....	....	....	5.11
Sutton	Elk	.15	.15	.05	....	....	....	.06	.80	.07	....	....	.40	.10	.20	T.	....	1.03	.05	.95	.42	.37	....	....	.13	...	....	....	....	....	....	....	4.93
Thornwood[2]	Greenbrier	....	....	.40	....	....	....	....	1.00	....	....	....	....	....	....	.31	.63	.73	.12	.57	.47	.20	.01	....	.06	....	....	....	....	....	....	....	4.50
Union	New	....	....	....	.27	....	....	T.	.20	.45	....	....	.10	.08	.06	....	....	....	.08	.43	1.00	.64	....	....	.35	....	....	....	....	....	....	....	3.66
Wayne[2]	Twelvepole	.06	....	....	....	....	....	.05	.11	.19	....	....	.34	.03	....	....	....	....	1.07	.57	.64	.15	....	....	.27	....	....	....	....	....	....	....	3.48
White Sulp'r Spgs.[2]	Greenbrier	.55	....	....	.45	....	....	....	.30	.60	.05	....	.10	....	....	....	....	....	.40	.40	1.30	1.10	....	....	.40	....	....	....	....	....	....	....	5.65
Williamson[2]	Big Sandy	....	T.	....	.49	....	....	....	.12	.50	T.	....	.49	.05	T.	....	....	....	.07	.63	1.16	.16	....	....	.25	....	....	....	....	....	....	....	3.92
Winfield Locks[2]†	Gr. Kanawha	.10	.06	.07	....	....	....	....	.10	.20	T.	....	.44	.02	.01	....	....	.03	.64	.81	.72	.13	....	....	.41	....	....	....	....	....	....	....	3.74

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. ||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for April 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	58	67	67	70	45	53	56	60	40	60	68	29	28	35	50	65	65	67	48	41	35	50	53	49	51	53	56	64	75	53	....	53.7
	Minimum	35	25	28	34	30	22	22	25	39	32	32	28	15	16	20	31	35	47	45	38	30	30	24	27	28	26	28	21	24	27	....	28.8
Beckley	Maximum	69	74	77	73	67	62	59	63	49	61	71	64	32	46	74	72	68	66	59	59	45	56	53	56	62	57	59	71	74	70	....	62.3
	Minimum	39	37	47	46	29	17	35	40	29	24	42	19	10	11	30	46	47	52	48	37	26	27	24	34	27	27	22	22	38	48	....	32.7
Bluefield	Maximum	72	72	78	70	68	62	62	63	60	63	68	64	29	48	73	73	73	70	65	59	48	56	54	55	61	61	56	68	73	70	....	63.1
	Minimum	38	48	54	57	36	27	36	46	35	34	50	25	18	22	41	55	52	59	55	47	35	32	36	40	35	38	33	35	48	52	....	40.6
Buckhannon	Maximum	65	65	80	74	54	55	68	67	55	60	72	65	35	41	53	70	75	69	59	55	55	55	58	57	60	57	58	67	78	70	....	61.7
	Minimum	42	34	47	54	38	25	52	55	40	32	42	30	22	28	32	41	41	56	45	45	45	32	33	45	36	34	35	30	35	55	....	39.4
Charleston[3]	Maximum	64	76	84	80	50	63	68	70	47	64	76	39	42	63	73	76	76	70	60	54	54	63	62	63	67	56	65	69	83	72	....	65.0
	Minimum	46	42	44	55	42	38	38	42	35	42	33	25	25	26	26	46	51	43	49	41	34	38	41	38	46	35	41	35	48	55	....	40.0
Clarksburg[3]	Maximum	62	63	85	75	53	59	68	64	44	62	72	30	34	44	49	58	77	69	51	52	45	58	59	60	60	59	60	71	82	73	....	59.9
	Minimum	37	33	36	47	36	23	26	37	43	30	36	29	23	23	27	37	41	53	42	42	36	32	29	33	35	31	37	29	32	44	....	34.6
Elkins	Maximum	61	69	77	72	46	54	66	62	48	60	70	56	32	39	48	68	75	68	57	50	40	53	60	53	56	54	56	68	78	68	....	58.8
	Minimum	38	31	45	44	33	22	27	48	36	33	41	20	17	22	33	38	52	50	48	36	32	32	27	40	32	31	31	27	32	52	....	35.0
Fairmont[3]	Maximum	64	65	83	76	53	61	67	65	45	65	71	31	39	46	49	68	76	68	50	51	45	59	62	60	59	62	65	74	83	75	....	61.2
	Minimum	36	33	37	37	35	26	34	45	43	30	42	29	23	23	28	41	41	54	41	41	35	34	30	36	37	32	37	32	36	53	....	36.0
Flat Top	Maximum	....	....	....	....	....	....	....	....	....	....		....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Gary[3]	Maximum	75	80	81	75	46	65	68	68	43	65	76	36	37	51	79	77	78	70	68	53	50	59	51	59	66	57	63	75	79	79	....	64.3
	Minimum	45	45	48	51	44	26	32	51	42	37	40	35	23	24	34	39	51	55	55	50	35	30	32	39	34	35	30	29	37	50	....	39.3
Glenville	Maximum	70	69	79	79	73	60	63	61	59	63	64	63	35	45	54	60	66	65	54	55	50	60	59	61	60	60	66	72	79	78	....	62.7
	Minimum	40	33	44	47	36	22	31	48	39	29	43	28	22	24	33	38	48	52	44	46	36	27	28	43	32	31	29	28	32	58	....	36.4
Grafton	Maximum	68	65	84	84	76	59	71	67	66	61	72	72	33	43	50	70	78	75	69	56	48	60	61	64	61	61	61	69	79	82	....	65.5
	Minimum	36	30	44	45	33	22	31	47	38	27	42	27	22	22	31	40	50	55	42	44	34	32	27	41	32	29	32	27	32	55	....	35.6
Huntington	Maximum	75	74	83	79	72	64	60	61	56	65	68	57	43	57	75	72	69	70	53	50	56	67	59	67	68	60	65	75	83	76	....	66.0
	Minimum	44	45	52	54	42	29	47	53	42	34	50	31	26	28	39	44	54	53	46	43	38	33	41	45	38	44	38	34	43	58	....	42.3
Lewisburg	Maximum	64	71	77	73	67	63	60	57	53	60	69	64	36	46	74	76	73	64	61	59	46	56	53	55	63	56	61	68	73	74	....	62.4
	Minimum	46	40	45	53	35	28	37	45	37	31	44	25	18	18	32	41	52	55	52	44	34	31	30	39	33	35	30	28	35	48	....	37.4
Logan[3]	Maximum	77	83	86	80	48	62	69	70	46	69	77	34	42	51	83	79	74	70	66	55	52	67	55	65	69	56	66	76	84	68	....	66.1
	Minimum	45	47	50	54	44	31	32	49	43	35	39	33	26	26	33	45	52	58	53	51	39	32	37	44	37	38	32	33	35	50	....	40.8
Madison[3]	Maximum	70	81	84	85	48	60	77	70	65	68	77	35	46	59	82	79	75	69	63	53	54	64	56	65	54	56	66	72	83	71	....	66.2
	Minimum	45	44	49	51	42	26	35	35	42	40	31	31	25	24	40	48	51	57	50	49	37	31	35	44	35	38	30	30	35	52	....	39.4
Mannington	Maximum	64	61	81	73	60	55	64	65	55	59	70	57	34	43	49	67	73	68	53	51	45	57	59	59	60	57	59	68	79	75	....	60.7
	Minimum	36	30	40	41	36	21	30	44	40	28	42	28	23	21	32	41	51	52	41	43	36	28	26	43	32	28	31	26	30	53	....	35.1
Marlinton	Maximum	68	71	78	74	72	62	63	57	55	63	70	64	37	49	70	76	75	65	60	57	49	57	57	57	62	58	62	73	77	75	....	63.8
	Minimum	44	33	40	47	34	24	28	42	39	29	29	25	17	21	27	35	49	51	50	43	34	34	26	36	29	29	26	23	27	44	....	33.8
Martinsburg[3]	Maximum	60	59	56	81	55	63	66	55	54	66	72	56	41	45	50	55	60	66	50	45	48	56	61	55	63	62	65	70	80	80	....	59.9
	Minimum	39	34	38	42	42	32	36	46	39	38	44	48	24	24	30	35	44	48	45	44	37	40	34	40	33	37	42	35	34	44	....	38.3
Morgantown	Maximum	78	75	80	71	60	61	64	62	60	59	67	57	30	41	62	68	73	68	52	45	41	57	58	59	61	77	82	80	78	72	...	63.3
	Minimum	33	33	48	51	45	28	51	54	39	33	43	27	20	20	39	51	50	51	40	39	32	32	29	29	32	32	33	38	45	61	....	38.6
New Martinsville	Maximum	....	....	....	....	....	....	.	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Parkersburg	Maximum	60	65	82	77	53	58	60	60	48	60	65	36	39	50	53	69	70	69	50	49	51	58	59	61	60	57	61	71	80	75	....	60.2
	Minimum	40	37	51	45	37	30	38	48	39	37	36	26	24	26	42	41	49	44	44	38	39	37	36	44	39	37	40	37	45	59	....	39.8
Pickens	Maximum	62	67	76	70	69	62	61	63	56	60	70	63	40	38	55	70	78	65	60	55	46	57	62	51	55	53	57	67	80	71	....	61.3
	Minimum	41	33	50	48	28	34	36	44	36	30	32	18	12	10	22	40	47	45	53	40	29	27	24	37	29	28	26	25	36	51	....	33.7
Point Pleasant	Maximum	74	71	82	80	71	61	60	62	60	63	64	58	42	53	66	69	68	67	53	50	54	63	61	69	65	63	66	72	81	79	....	64.9
	Minimum	43	42	51	50	40	30	42	54	40	33	49	29	24	26	39	44	54	53	44	44	39	35	45	44	41	40	41	35	43	56	....	41.7
Rainelle	Maximum	68	71	77	71	70	60	59	56	54	59	68	64	31	43	73	72	69	65	59	59	45	55	52	55	59	56	59	67	73	70	....	61.3
	Minimum	44	34	41	44	32	21	31	44	34	25	42	23	11	11	30	35	50	53	50	43	32	25	28	39	27	28	24	21	29	47	....	33.3
Richwood[3]	Maximum	67	62	80	79	72	42	60	60	60	40	61	68	32	33	44	73	74	72	66	61	52	42	54	57	55	58	52	59	72	71	....	59.3
	Minimum	42	35	37	47	34	22	22	46	38	28	31	32	17	18	22	38	42	54	52	48	32	32	28	32	32	32	27	26	39	42	....	34.2
Romney	Maximum	65	60	60	76	75	59	63	60	57	63	73	68	38	42	42	70	66	73	72	45	44	56	60	58	58	59	62	67	78	72	....	61.4
	Minimum	39	30	40	41	40	31	30	45	42	34	43	33	28	25	26	41	52	52	44	42	37	41	29	40	33	33	34	28	31	53	....	37.2
Spencer[3]	Maximum	67	72	82	78	52	61	63	68	43	62	71	32	29	50	63	70	73	68	54	53	52	62	60	60	62	59	63	57	62	73	....	60.7
	Minimum	43	37	48	50	38	24	42	45	39	31	48	29	23	23	39	40	54	55	45	46	38	29	31	37	23	40	33	30	42	51	....	38.4
Sutton	Maximum	70	70	82	82	78	59	62	62	54	61	75	75	36	45	58	69	69	69	69	57	52	58	59	60	60	60	63	71	83	83	....	65.0
	Minimum	46	35	47	50	38	24	32	44	39	30	44	29	24	19	34	39	53	54	47	51	37	39	30	44	33	35	30	28	34	45	....	37.8
Wardensville[3]	Maximum	60	60	66	77	51	60	62	55	52	63	70	46	38	42	50	63	64	74	45	44	43	55	60	50	59	57	60	65	76	77	....	58.1
	Minimum	37	28	35	39	41	28	26	37	46	31	41	45	23	24	23	34	48	50	44	41	36	37	26	36	32	32	32	26	28	45	....	35.0
Weston	Maximum	68	61	80	80	77	55	64	67	55	58	74	70	35	44	51	70	75	69	56	53	47	58	58	59	58	58	58	71	82	82	....	63.1
	Minimum	50	40	48	51	40	25	32	50	40	34	50	28	23	23	34	40	52	54	44	45	36	32	30	44	35	33	37	30	34	56	....	39.0
Wheeling[3]	Maximum	57	60	78	70	50	57	59	63	45	62	63	32	37	44	51	59	74	67	46	46	49	59	59	60	58	57	62	82	80	74	....	58.7
	Minimum	32	32	35	42	37	28	30	35	43	33	40	29	25	25	30	43	46	49	42	42	36	34	31	34	31	34	33	32	36	43	....	35.4
Williamson[3]	Maximum	74	82	84	79	48	63	66	66	48	69	76	35	42	57	84	79	72	69	65	54	59	67	52	66	69	57	69	78	81	68	....	65.9
	Minimum	44	48	50	54	44	32	33	52	43	40	42	33	27	28	33	38	54	58	55	50	38	34	37	44	39	40	35	34	42	47	....	41.6

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	....	.121	.082	.389	.073	.040	.012	.163	.010	.096	.063	....	....	....	....	.084	.055	.015	.002	.013	.095	.164	.090	.089	.122	.118	.165	.141	.194	....	2.995
	Wind movement	117	43	21	52	156	77	27	34	83	93	23	53	139	143	83	13	47	22	75	129	94	89	89	50	20	53	45	44	17	27	....	1,955
Wardensville	Evaporation	....	....	.101	.108	.352	.147	.170	.092	.008	.104	.147	.290	....	....	....	.016	....	.030	.117	.031	.015	.089	.197	.154	.037	.099	.125	.191	.184	.296	....	3.875
	Wind movement	109	10	24	71	141	91	43	74	38	72	29	148	92	109	66	15	67	65	93	95	94	111	94	58	21	47	18	59	27	73	....	2,054

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 5-28 40—900)

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., MAY 1940 NO. 5

GENERAL SUMMARY

Except for the western half of the southern division, the State was well above normal in precipitation. The heaviest amounts fell in the north-central part of the State, where the excess ranged from 1.63 inches at Brownsville to as much as 4.61 inches above the normal at Buckhannon. The average snowfall was 0.1 inch, which was the first time since 1929 that the state average snowfall was greater than a trace. Only twice has the state average snowfall exceeded that of this month since records began in 1903.

Temperature was below normal at all stations except a few in the northeastern panhandle division and in the west-central division. Cool and warm periods alternated rapidly, and the nights were generally cool. Much fuel for domestic heating was used. Several stations reported frosts on the 7th, 10th, 11th and 12th. No heavy damage was reported.

The weather was rather unfavorable for vegetation. Wet weather delayed planting, and the crops that were planted found unfavorable conditions for germination on account of the low temperatures. Most crops were from three to four weeks late at the close of the month.

A youth was killed by lightning at St. Marys on the 19th while tying-up a boat to a tree.—C.L.W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 60 stations, was 60.1°, or 1.6° below the normal. The mean for the northeastern panhandle division was 60.2°; for the northern division, 59.8°; and for the southern division, 60.4°. The highest monthly mean was 64.3° at Huntington and the lowest, 53.0° at Bayard. The highest temperature was 95° at Martinsburg on the 14th, Hinton on the 8th and 19th, and Logan on the 19th, and the lowest, 22° at Seneca State Forest on the 12th. The greatest daily range was 56° at Institute on the 6th and Marlinton on the 13th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 109 stations, was 4.93 inches, or 0.96 inch above the normal. In the northeastern panhandle the average was 4.36 inches; in the northern division, 5.81 inches; and in the southern division, 3.60 inches. The greatest monthly precipitation was 9.04 inches at Buckhannon and the least, 1.42 inches at Williamson. The greatest amount in any 24 consecutive hours was 3.14 inches at Dam 13 (Ohio River) on the 24th. The average monthly snowfall was 0.1 inch or 0.1 inch above normal. The greatest monthly snowfall was 2.0 inches at Spruce Knob, Pickens, Pickens No. 2, and Flat Top. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	4	12	2	..	..	3	..	..	..	..	..	..	1	..	9	..	3	3	1	..	2	2	6	3	3	..	3	3
Gales	1	1	..	..	1	3	2	..	..	..	1	1	2	1	3	1	..	..	3	..	..	..	..	..	..	1	..	..	..	..	..
Hail	..	..	..	..	..	..	..	1	2	..	2	..	7	1	..	..	..	..	2	..	..	..	..	..	..	4	1	..	..	..	1
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	1	..	..	..	11	13	2	10	..	2	..	18	9	1	1	1	..	22	14	1	4	9	13	4	7	6	5	7	2	9
Frost, killing	..	..	..	..	7	..	..	..	..	1	1	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.92	30.25	5	29.56	24	8.0	24	w.	6	82	52	65	54
Columbus, Ohio	29.90	30.20	7	29.44	24	10.4	43	s.	19	77	57	61	50
Elkins	29.94	30.29	5	29.51	24	6.0	28	w.	6	83	48	65	51
Parkersburg	29.91	30.25	5	29.37	24	6.1	22	sw.	6	75	47	55	49
Pittsburgh, Pa	29.92	30.24	5	29.47	1	10.0	42	nw.	19	73	46	51	41
Wytheville, Va	29.93	30.25	6	29.48	24	6.7	25	sw.	15	78	51	62	50

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	......	......	2.38	3.11	3.60	3.18	......	......	......	......	......
1892	62.2	96	32	3.62	6.67	4.83	5.04	......	......	......	......	......
1893	59.5	92	30	4.90	4.35	4.84	4.51	......	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	......	13	16	9	6
1895	61.6	**105**	20	3.18	2.18	2.80	2.60	......	9	12	11	8
1896	**68.3**	95	33	2.92	3.50	2.71	3.01	......	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	......	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	......	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	......	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	......	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	......	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	......	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	.1	10	14	9	8
1910	57.9	96	**19**	2.45	4.05	4.56	3.92	.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	.0	5	20	8	3
1912	63.3	**94**	31	3.89	3.28	4.39	3.93	.0	11	15	8	8
1913	61.6	95	**19**	5.54	5.60	4.50	5.16	.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	**55.5**	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	**55.5**	93	23	8.74	7.12	6.72	**7.20**	.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	**19**	1.67	1.22	1.50	**1.38**	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	.1	13	11	10	10
Period	61.7	105	19	3.69	4.14	3.88	3.97	T.	11	13	9	9

Climatological Data for May 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	53.0	−3.4	85	19	25	12	49	4.67	+0.37	1.34	T.	14	16	7	8	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	60.0	+1.4	89	§6	28	§5	54	5.07	+1.99	1.87	.0	9	21	0	10	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51	...	...	...	...	...	...	...	5.09	+1.65	.91	.0	13	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	8	61.6	...	84	§7	34	12	42	3.49	...	.82	.0	10	9	13	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	62.5	...	90	14	35	12	44	4.89	...	1.33	...	11	11	15	5	s.	University Exper. Station
Martinsburg	Berkeley	435	48	63.2	+.4	95	14	39	12	46	3.94	+.55	1.05	.0	15	17	12	2	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	57.2	−3.0	92	8	24	12	54	4.33	+1.10	.99	.0	12	10	14	7	w.	R. E. Saville
Piedmont	Mineral	1,053	27	60.2	+.2	88	6	31	12	49	4.11	+.46	1.30	.0	16	7	15	9	w.	C. A. Suter, Jr.
Romney	Hampshire	824	42	61.9	−1.0	91	19	31	12	50	2.73	−.80	.75	.0	9	10	12	9	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8	...	...	...	...	...	...	...	6.34	...	1.62	2.0	13	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	20	...	...	...	...	...	...	...	4.35	−.25	1.90	1.0	9	1	6	24	w.	A. C. Becker
Wardensville	Hardy	1,200	19	59.4	.0	88	19	29	12	49	3.56	+.60	1.19	.0	14	6	16	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16	...	...	...	...	...	...	...	7.83	+3.96	1.82	.0	13	5	17	9	...	L. Esle Bond
Alma (near)	Tyler	800	13	...	...	...	...	...	...	...	4.64	+.97	1.68	.0	14	9	12	10	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	53.2	...	86	19	24	12	47	6.36	...	1.40	T.	17	9	14	8	...	Christian Hertig
Benson	Harrison	1,080	16	58.8	−2.0	93	19	27	12	51	6.00	+2.07	2.30	.0	17	10	17	4	...	R. D. Marts
Bens Run	Pleasants	652	38	61.5	−1.5	90	22	38	§3	39	4.80	+.80	1.18	.0	16	18	6	7	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	63.6	+2.0	93	§19	29	5	52	5.86	+1.63	1.75	.0	14	11	18	2	...	M. D. Hawkins
Buckhannon	Upshur	1,411	43	60.6	−.5	88	§8	31	5	43	9.04	+4.61	2.38	T.	14	12	11	8	...	H. A. Darnall
Cairo	Ritchie	680	39	61.0	−2.1	91	§9	31	§5	49	3.05	−.37	1.10	.0	13	13	13	5	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	59.9	−.4	92	19	30	12	53	6.48	+2.80	1.94	.0	12	10	10	11	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	17	...	...	...	...	...	...	...	7.41	+2.92	2.00	T.	18	12	9	10	sw.	George W. Blair
Creston	Wirt	640	38	59.6	−3.5	89	§6	31	12	50	2.64	−1.07	.90	.0	12	12	10	9	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19	...	...	...	...	...	...	...	5.02	+.95	1.80	.0	15	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	24	...	...	...	...	...	...	...	5.88	+2.46	3.14	.0	14	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	19	...	...	...	...	...	...	...	5.38	+1.78	2.00	.0	11	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	24	...	...	...	...	...	...	...	3.17	−.25	1.15	.0	12	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	24	...	...	...	...	...	...	...	3.22	−.24	1.18	...	10	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28	...	...	...	...	...	...	...	2.54	−.89	.88	.0	10	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	39	57.5	−1.7	88	19	29	12	47	5.97	+1.92	1.21	T.	18	4	10	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	60.8	−1.3	94	19	30	5	54	5.27	+1.39	1.91	.0	15	15	7	9	w.	J. C. Robinson
Glenville	Gilmer	738	46	63.7	+.1	93	§19	31	12	49	3.64	−.48	1.49	.0	12	13	7	11	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	61.4	−.1	93	20	28	12	46	6.58	+2.90	1.64	.0	17	14	8	9	...	L. W. Clayton
Hastings	Wetzel	809	5	...	...	...	...	...	...	...	4.54	...	1.42	.0	16	14	8	9	w.	L. G. McIntyre
Horner	Lewis	1,044	17	...	...	...	...	...	...	...	7.04	+2.37	.30	.0	11	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	17	...	...	...	...	...	...	...	6.42	+1.82	1.97	.0	16	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	59.9	−.5	90	19	29	§5	46	6.61	+2.46	2.04	.0	12	12	6	13	w.	Allen Smith
Mannington	Marion	974	37	58.8	−1.6	89	19	29	5	48	7.36	+3.35	2.16	.0	20	9	9	13	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	59.1	−3.0	89	19	32	3	41	4.98	+1.28	1.20	...	13	14	10	7	...	Bruce Davis
New Cumberland	Hancock	671	42	59.0	−1.2	86	19	33	5	36	5.33	+1.93	1.33	.0	17	4	1	26	se.	C. O. Valentine
New Martinsville	Wetzel	634	46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Wm. Ankrom
Parkersburg	Wood	615	53	61.4	−2.4	91	8	36	5	39	3.77	+.39	1.50	.0	13	7	11	13	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	59.3	+.5	90	19	29	12	49	5.31	+1.18	...	T.	13	11	12	8	...	J. W. Swisher
Philippi	Barbour	1,300	43	...	...	...	...	...	...	...	7.49	+3.22	2.13	.0	15	...	...	...	...	Mrs. Maxine Leach
Pickens	Randolph	2,760	37	56.2	−1.9	86	19	26	12	45	7.57	+2.32	1.40	2.0	20	18	6	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17	...	...	...	...	...	...	...	6.17	+1.81	1.95	.0	13	15	3	13	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52	...	...	...	...	...	...	...	7.80	+3.17	2.06	.0	13	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	625	32	...	...	...	...	...	...	...	4.46	+.95	.83	.0	16	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	39	57.5	+.1	93	19	27	12	50	7.00	+2.02	1.65	T.	15	12	10	9	w.	John Dee Williston
Thomas	Tucker	3,000	11	...	...	...	...	...	...	...	6.23	+.98	1.50	.0	13	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	17	61.0	−.6	93	19	30	12	49	5.69	+1.80	1.23	.0	14	9	14	8	w.	S. A. Spence
Vandalia	Lewis	1,120	17	...	...	...	...	...	...	...	7.35	+3.77	2.06	.0	12	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	33	59.1	−1.1	90	19	29	§5	47	5.05	+1.85	1.02	.0	14	13	9	9	...	George P. Pfister
West Milford	Harrison	979	15	...	...	...	...	...	...	...	5.70	+1.97	1.40	.0	16	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	45	62.2	−.5	94	19	32	§5	43	5.82	+1.98	1.89	.0	16	1	24	6	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	60.0	−1.8	89	19	34	5	46	3.96	+.86	.99	.0	15	6	10	15	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14	...	...	...	...	...	...	...	5.04	+1.63	1.02	T.	12	20	3	8	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	56.0	−3.9	86	8	24	§5	46	4.32	+.69	1.07	1.0	16	10	14	7	...	L. A. Mauck
Bluefield	Mercer	2,558	45	60.0	−1.6	87	8	32	4	41	2.91	−.21	1.25	.0	14	10	8	13	...	Norfolk & Western Ry.
Charleston	Kanawha	602	37	62.4	−3.0	92	19	39	§5	50	1.95	−1.83	.49	.0	14	13	12	6	...	Charleston Daily Mail
Clay	Clay	790	24	...	...	...	...	...	...	...	2.43	−1.36	.91	.0	14	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	2	56.3	...	82	8	29	4	35	3.55	...	1.66	2.0	14	18	4	9	nw.	U. S. Airway Station
Gary	McDowell	1,426	24	60.2	−.9	90	§8	31	12	47	3.83	−.14	1.01	...	16	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	61.6	...	91	19	33	5	46	1.83	...	.70	.0	11	8	14	9	sw.	State Forest Nursery
Hinton	Summers	1,431	43	63.2	−.2	95	§8	34	12	53	4.44	+.89	1.96	.0	10	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	24	...	...	...	...	...	...	...	2.06	−1.62	.98	.0	12	...	...	...	...	Lockmaster
Huntington	Cabell	571	43	64.3	−.4	93	8	35	5	44	2.24	−1.73	.63	.0	14	5	14	12	sw.	H. N. Robinson
Institute	Kanawha	616	2	62.8	...	94	8	34	12	56	2.63	...	1.15	.0	14	...	...	...	...	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	21	...	...	...	...	...	...	...	3.57	−.33	1.50	.0	9	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	24	...	...	...	...	...	...	...	4.72	+.32	1.02	...	14	...	...	...	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	59.6	−.5	88	8	33	§4	43	6.12	+2.76	2.32	...	16	5	13	13	...	J. K. Monroe
Logan	Logan	700	37	64.2	−2.8	95	19	35	12	53	1.78	−2.33	.92	.0	15	13	5	13	...	Paul A. Simonds
London Locks	Kanawha	623	4	62.2	...	92	19	36	12	51	2.60	...	1.00	.0	11	...	...	...	...	Lockmaster
Madison	Boone	675	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	59.2	+2.2	89	§8	27	13	56	5.50	+1.56	1.35	.0	14	1	26	4	...	Edward A. Moore
Point Pleasant	Mason	595	41	62.6	−2.1	92	22	35	5	44	2.14	−1.85	.79	.0	14	9	10	12	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	56.0	...	87	§8	26	12	50	5.98	...	1.80	1.5	14	15	3	13	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	62.8	+.9	92	23	33	§5	43	2.86	−.85	.86	.0	10	7	7	17	nw.	Lockmaster
Richwood	Nicholas	2,193	10	57.0	...	87	19	29	11	47	5.62	...	1.90	T.	12	14	7	10	se.	Cherry River Paper Co.
Ryan	Roane	700	37	58.0	−3.2	87	19	28	5	49	2.42	−1.22	.99	.0	13	12	8	11	...	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	54.4	...	85	19	22	12	52	5.64	...	1.14	T.	16	10	12	9	ne.	Supt., State Forest
Spencer	Roane	789	36	61.4	−.6	92	19	32	§5	47	2.11	−1.54	.73	.0	13	9	16	6	...	A. M. McKown
Sutton	Braxton	850	34	61.8	−1.5	92	§19	31	12	49	4.43	+.07	1.40	.0	9	...	...	...	...	C. B. Eakle
Union	Monroe	2,250	36	58.4	−2.5	89	8	26	12	49	4.98	+1.78	2.05	...	10	12	6	13	...	C. B. King
Wayne	Wayne	598	13	...	...	...	...	...	...	...	2.61	−.97	1.14	.0	11	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	60.4	−.1	90	22	27	12	48	4.40	+.93	1.35	.0	7	14	7	10	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	40	63.8	−1.2	93	§7	36	12	51	1.42	−2.66	.26	.0	13	11	13	7	ne.	J. E. Dotson
Winfield Locks	Putnam	570	2	62.4	...	90	22	36	5	52	2.46	...	.82	.0	12	6	11	14	sw.	Lockmaster
State averages and	extremes	...	...	60.1	−1.6	95	§8	22	12	56	**4.93**	+.96	**3.14**	**0.1**	**13**	**11**	**10**	**10**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. |||| Incomplete.

Daily Precipitation for May 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		.36	.04	.08			.05		.02					.35		.18				.76				T	1.03	.10	.05		.03	.28	1.34	4.67
Brandywine	do		.40	T.						T.				.10	.16						.08				.67	1.00	.33	.46				1.87	5.07
Brushy Run[2]	do		.30							.04					.31		.11				.06				.42	1.09	.09	.14	.41		.41	1.72	5.10
Harpers Ferry[2]	do		.49	.18	.05			.03		.09			T.				.88	.47			T.	.09			T.	.39	.05	.75	.91			.71	5.09
Inwood	do		.48					.02		.18							.62				.02				.50		.10	.82	.02			.73	3.49
Kearneysville	do		.74	.05						.11							1.48				T.				.27	.28	.04	1.33	.11		.09	.39	4.89
Knobly Mountain[2]†	do		.20					.12		.05					.73	.22					.15				.40	.60	.02	.65	.12	.05		1.58	4.89
Martinsburg[2]	do		.48	.02	.05			.15		.05							.65	.10			T.	.02	.05		.02	.50	.10	1.05	.10			.60	3.94
McNeill	do	.20	.15	T.				T.		.18				.42	.06	T.	.18				.10				.15	.58		.91			.41	.99	4.33
Petersburg	do		.25											.05							.08				.46	.82		.80			.46	1.24	4.16
Piedmont	do	.06	.16		.01			.09		.19				.15		T.	.29				.44				.24	.51	.01	.34	.02	.09	.21	1.30	4.11
Romney	do									.10				.02			.18				.11				.08	.36		.67			.75	.46	2.73
Spruce Knob[2]†	do		.47	.19	.07			T.		T.		T.			.40		.37	T.	T.		.28				.94	1.09	.14	.24	.13		.40	1.62	6.34
Stony River Dam[2]†	do				.10												.19				.20					.91	.05	.18	.07	.75		1.90	4.35
Wardensville	do		.25	.03	T.			.05		.08	T.				.17		.30				.09	.07				.19	.13	.74	.18		.09	1.19	3.56
Northern Division																																	
Aberdeen†	West Fork	.11	T.	.08	.10					T.		T.		.13	1.05	.10	.17			T.	1.82		T.		.50	1.45		.19		T.	1.23	.90	7.83
Alma (near)	Ohio	.04		.02										.22	1.00	.15		.10		.05	.05			.30	.58		.08			.22	1.68	.15	4.64
Alpena	Cheat	.46	.14	.14	.29			.45		.07				.20	.51	.04	.13			T.	.59				.42	.75	T.	.05		.07	1.40	.65	6.36
Belington[2]	Tygart	T.	.26	T.	.20	T.				T.	.05		T.		.76		.32	T.			.57				.34	1.49		.12			.17	1.11	5.39
Benson†	West Fork	.06	.02	.02	.20			.10						.05	.55	.08	.25	.03		.02	.93		.45		.40	.50		.04			2.30		6.00
Bens Run	Ohio	.19	T.	.11	.14			.14						.04	.15	.21		T.		.42				.74	.66		.09	.09	.22	.03	1.18	.39	4.80
Big Skin Creek	West Fork	.10	.02	.12	.10			.05		.08				.25	.10	.12	.11	.03		.05	1.71		.08	.05	.75	.83	.03	T.			2.05	.07	6.70
Brownsville†	do	.12		.03	.10										.64	.03	.08	.11			.76		.17		.30	1.10		.06			1.75	.61	5.86
Buckhannon	Tygart	.17	T.	.10	.12					T.		T.		.68	.33	.21		.03			2.38			.48	.82	1.20	.07		T.	T.	1.85	.60	9.04
Cairo	Litl.Kanawha	.02	.02	.09	.03			.15							.03	.20					.12			.36	.43			.15			1.10	.35	3.05
Clarksburg[2]	West Fork		.10	.02	.03			.40							1.00		.27				1.22				.20	1.00		.02			.28	1.94	6.48
Crawford	do	.09	.07	T.	.16					.01				.52	.38	.27	.05	.01		.08	1.71		.01	.10	.70	.99	.03				2.00	.23	7.41
Creston[2]	Litl.Kanawha	.10	.05	.05	.10	T.		.02							T.		.10	T.			.10				.60	.10		.12		T.	.40	.90	2.64
Dailey.[2]†	Tygart	T.	.50	.01	.09			T.		.06	T.		.04		.92		.18				1.08				.22	1.15		.12			.09	.85	5.31
Dam 10, Mon. R.[2]†	Monongahela.		.18	.01	.09			.04					.03		.54		.19			.02	.66				.29	1.02		.04		.01	.10	1.80	5.02
Dam 13, O. R.[2]†	Ohio	.01	.15	.08	.05			T.		.20					.03		.21	.04			.08				3.14	.15		.14			.40	1.20	5.88
Dam 15, Mon. R.[2]†	Monongahela		.20	.02	.05			T.		T.					.71		.24	T.		T.	.48				.35	1.17	T.	.08			.08	2.00	5.38
Dam 19, O. R.[2]†	Ohio	.01	.10	.04	.03	T.		T.						T.			.15	.01			.02				1.15	.70		T.		.10	.10	.76	3.17
Dam 20, O. R.[2]†	do	T.	.12	.02	.03			T.									.12	.03						T.	1.15	.35		T.		.02	.20	1.18	3.22
Elizabeth (Dam 3)[2]	Litl.Kanawha	T.	.12	.11	.04			T.						T.	T.		.12	T.			.10				.81	.10		.08		T.	.18	.88	2.54
Elk†	West Fork						.23								.55	.25					1.55				.45	1.38					1.56	.84	6.81
Elkins[1]‡	Tygart	.61	.01	.14	.07		.31		T.	.06		.01		.76		.16	.01	T.		.52	.30			.21	.91	.37	.38			.04	1.10	T.	5.97
Fairmont[2]	Monongahela.		.18	.04	.04			.03					.04		.38		.27	.03		T.	.45				.43	1.16	.05	.09		T.	.17	1.91	5.27
Glenville[2]	Litl.Kanawha	.12		.07	.11										.06		.21			.16	.15				.19	.51		.11		T.	.46	1.49	3.64
Grafton	Tygart	.02	.11	.04	.08	.01		.13					.03		.28		.16	.03	.01		1.64				1.00	1.33	.01	.15				1.55	6.58
Hackers Creek†	West Fork	.10	.01	.02	.03			.30						.83	.46	.12				.25	.74				.32	.83					2.01	.36	6.38
Hall[2]	Tygart		.21	T.	.15			.01		.01	T.				.78		.18	T.		T.	1.89				.64	1.57	T.	.15			.13	1.43	7.15
Harrison Co. Airport	West Fork		.15	T.	.07			.35							.91		.24			.04	.91				.22	1.23	T.	.06	.02		.17	1.60	5.97
Hastings	Ohio	.16	.03	.04	.07	T.		.11						.03	.31	.05	.21	.01			.14				.66	.18	.10				1.42	1.02	4.54
Horner	West Fork	.12		.13	.10					T.					.30		.40				1.70				.50	.80	.75				1.84	.40	7.04
Ireland	do	.14	.11	.16						.05				T.	.22	.17	.03	T.		.10	2.00				.71	.76	.63				1.29	.43	6.80
Jane Lew	do	.11	.02	.04	.04			.01						.55	.94	.04	.20	.01		T.	.68				.40	.94		.02			1.92	.50	6.42
Kumbrabow St. For.†	[2]Tygart	04	.03	.02	T.		T.			.01				.12	.42	.10				T.	1.10			T.	.03	1.80		.40		T.	1.00	.20	5.27
Lost Creek	West Fork	.07	T.	.06				.16		T.		T.		.76	.38	.15	.14	T.	T.		1.07				.53	.63	T.			T.	2.04	.62	6.61
Mannington	Monongahela.	.15	.01	.05	.04			.06		.02				.07	.25	.19	.15	.03		.01	2.16		.01	T.	.52	.48	.40	.02			1.97	.77	7.36
Midvale[2]†	Tygart		.32	.07	.31					.05	.03				.93		.18				.64				.55	1.49		.21			.18	1.18	6.14
Morgantown	Monongahela.	.20		.05				T.						.30		.10	.20			.05	.80			.10	.35	.83				.60	1.20	.20	4.98
Mt. Clare	West Fork	.11	.03	.03	.03					.09				.13	.81	.10	.11	.01			.80				.53	.88	.01	.01	T.	T.	1.68	.43	5.79
New Cumberland	Ohio	.28	.05	.10	.04		.11		.16	.03				.37		.30	.04			.16			.04	.95	1.17		.10			.10	1.33		5.33
New Martinsville	do																																
Parkersburg[1]‡	do	.08	T.	.04	T.		.20			T.		T.	T.	.01		.12	.01			.06				.34	1.47	T.	T.		.04	.06	1.18	.16	3.77
Parsons	Cheat	.43	.05	*	.17							T.		T.	T.	.40	T.			1.22				*	*	1.20	.11	T.		.27	*	1.46	5.31
Philippi[2]	Tygart	T.	.21	.04	.12			.02		.01					.70		.16	.01		T.	2.13				.90	1.45	.03	.19			.19	1.33	7.49
Pickens	do	.65	.13	.15	.30			.05		.05		T.		.96	.02	.22	.02	.08		.31				1.03	1.40	.01	.65	.03		.14	1.32	.05	7.57
Pickens No. 2	do		.68	.13	.65			.18			.05				.87	.17		.05			.98				.36	2.32	.03	.65			.16	1.14	8.42
Roanoke	West Fork	.07	T.	.08	.11						T.				.83	T.	.22	.04			1.12		.06		.84	.64		.05			1.95	.16	6.17
Rockford†	do	.02	.05	.06	.01		.07			T.				.80	.44	.13	.10				.76			.08	.77	.75	.06				1.88	.49	6.47
Rowlesburg[2]	Cheat		.28	.04	.14			.31							.46		.86	.03			1.06			T.	1.27	1.19		.15			.45	2.06	7.80
Saint Marys[2]	Ohio		.13	.06	.06		.03			.01					.40		.24	.03			.53				.83	.54	.02	.10	.10		.68	.70	4.46
Salem	West Fork	.09	.03	.04	.05		.14			T.		T.		.36	1.10	.15	.06	.02		.30	T.			T.	.48	.34	.15			T.	1.91	.34	5.56
Shinnston	do		.55	.10												.62									1.00	.59	T.			.25	2.00	.05	5.16
Terra Alta[2]†	Cheat	.30	.15	.35	.15		.15					.10		.70		.35		T.		.95				.55	.65		.85			.05	1.65	.05	7.00
Thomas[2]	do		.53	.08	.18			.05		.03					.40		.20				1.25				.08	.98	T.	.15			.80	1.50	6.23
Valley Chapel	West Fork	.14		.03	.07			T.						.02	1.18	.03	.18	.02			.82					.77		.02		.12	1.23	1.06	5.69
Valley Head[2]	Tygart	T.	.30	.03	.10	T.		.01		T.			.03		.56		.16				1.24				.31	1.46	.01	.10			.02	.75	5.08
Vandalia†	West Fork	.11			.18									.50	.07	.18	.19			.15	1.77				.88	1.06					2.06	.26	7.35
Wellsburg (near)	Ohio	.50	T.	.09	T.			.08		.13				.42	.55	.20	.06	.04		T.	.12			.28	.58	T.	T.				1.02	.98	5.05
West Milford	West Fork	.10	.02	.08	.05			.08						.34	.80	.10	.15	.05			1.24				.34	.85		.05		.05		1.40	5.70
Weston[2]	do	.04	.10	.08	.10	.02		T.						T	.40		.28	.09			.90			.05	.19	1.18		.06		.04	.40	1.89	5.82
Wheeling (Dam 12)[2]	Ohio	.02	.22	.04	.03			.06		.23					.24		.20	.02			.40				.95	.25		.09			.22	.99	3.96
Southern Division																																	
Arbovale[2]	Greenbrier	.75		T.	T.			.10		T.		.01		.30		.20					.22			.68		1.02	.43	.12			1.00	.21	5.04
Beckley	New	.25	.04	.12	.23					.09		T.				.12	.07			.70	.70			.04	.48	.19	.08	.05			1.07	.09	4.32
Bluefield	New	.03	.06	.03	.11					.19							.05				.14			.01	.57	.15		.20	.10		1.25	.02	2.91
Camden-on-Gauley[2]	Gauley	.02	.17	.07	.28	.02		.07									.15				.87				.43	1.42		.14			.18	1.42	5.24
Charleston[2]	Gr. Kanawha.	.11	.10	.04	.11	.01											.09	T.			.09				.20	.10	.02	.13		.03	.43	.49	1.95
Clay[2]	Elk	.02	.27	.06	.17	.02		.02									.11			.02	.15				.10	.47	.11				.19	.72	2.43
Flat Top[2]	New	.05	.06	.03	.23	.01					.09						.04				.26				.58	.50	.01	.03			.49	1.17	3.55
Gary[2]	Big Sandy	.05	.03	.02	.22			.01		.04	.38		.01				.15				.68				.28	.08		.13	.04		.70	1.01	3.83
Greenbottom[2]†	Ohio	T.	.06	.06	.06			.07									.04				T.				.70	.16		.08		.24	*	.36	1.83
Hinton[2]	New	.06	T.		.07					.21							.08				.27				.55	1.96	T.	.10			.31	.83	4.44
Hogsett[2]	Ohio	.01	.02	.02	.10											.05	.05				T				.98	.10		.06		.10	.06	.51	2.06
Huntington	do	.12	.01	.06	.04			.05								.08				.05				.06	.54		.13		.10	.08	.63	.29	2.24
Institute[2]	Gr. Kanawha.	.05	.09	.01	.05	T.		T.					T.	T.			.04	T.			.20				.66	.16	.01	.03	.05	.01	.45	.82	2.63
Kanawha Falls[2]†	do	T.	.05	T.	.20			.05									.05				1.50			T.	.12	.50		T.		T.	.20	.90	3.57
Kayford[2]	do	.08	.07	.07	.20	.05		.10									.10				1.00				.21	1.01	.02	.22	T.		.57	1.02	4.72
Lewisburg	Greenbrier	.35	.15	.02	.01					.03		.01				.03	.10				.32		.02		2.32	.65	.33	.07			1.63	.08	6.12
Logan[2]	Guyandot	.18	.04	.01	.11	.01		.01			T.		T.				.09			T.	.03				.20	.07	.04	.01	.02		.04	.92	1.78
London Locks[2]†	Gr. Kanawha.	.04	.08	.03	.18	T.											.04				.16				.16	.45	T.	.28			.18	1.00	2.60
Madison[2]	Coal																																
Marlinton	Greenbrier	.47	.14					.25				.01					.10				.35		.08	.22	1.08	1.35	.12	.05			1.06	.22	5.50
Point Pleasant[2]	Ohio	.03	.02	.07	.03			T.		.02							.15	.04			.03				.79	.11		.10		.05	.07	.63	2.14
Rainelle	Greenbrier	.25	T.	.11	.26					.02						.04	.11			.15	.70			T.	1.80	.89	.35	.04			1.18	.08	5.98
Ravenswood[2]	Ohio		.07	.13	.05												.08	T.			.08				.86	.37		T.		.10	.26	.86	2.86

Continued on next page.

Daily Precipitation for May 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	.01	.41	.02	.27	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.01	....	....	....	.52	1.90	.04	.50	....	....	.07	.82	5.62
Ryan	Gr. Kanawha	.06	....	.04	.04	....	....	....	....	.02	....	....	....	....	....	.08	....	....	....	.02	.14	....	....	.03	.42	....	.10	....	....	.18	.99	.30	2.42
Seneca State Forest†	Greenbrier	.46	.18	.03	....	.02	....	.22	....	....	....	....	.01	.20	....	....	.17	....	....	....	.10	....	....	.27	1.14	1.06	.48	.03	....	....	.87	.40	5.64
Spencer[2]	Litl. Kanawha	.08	.05	.08	.08	.02	....	....	....	....	....	....	....	....	T.	....	.13	T.	....	....	.12	....	....	....	.25	.07	.04	.11	....	....	.35	.73	2.11
Sutton	Elk	.25	....	.10	.15	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	....	1.08	....	....	....	.60	.40	....	....	....	....	1.40	.30	4.43
Thornwood[2]	Greenbrier	....	.25	....	....	.10	....	....	....	....	....	....	.57	....	....	.05	....	....	....	.15	....	....	....	.57	1.02	....	.50	.20	....	....	1.05	.40	4.86
Union	New	.12	.70	....	.03	....	....	....	....	.04	....	....	....	....	....	....	.11	....	....	....	....	....	....	....	.60	2.05	....	.20	....	....	.10	1.03	4.98
Wayne[2]	Twelvepole	.07	.08	.08	....	....	....	.07	....	....	....	....	....	....	....	....	....	....	....	....	.07	....	....	....	.42	.49	.01	.10	....	.08	....	1.14	2.61
White Sulp'r Spgs.[2]	Greenbrier	....	.05	....	....	....	....	....	....	T.	....	....	....	....	....	.10	....	....	....	....	T.	....	....	....	1.35	....	.75	....	....	.25	1.50	.40	4.40
Williamson[2]	Big Sandy	.10	.07	.01	.18	....	....	.04	....	.03	.09	....	....	....	....	....	.17	....	....	T.	....	....	....	....	.26	.07	....	T.	.18	....	.03	.19	1.42
Winfield Locks[2]†	Gr. Kanawha	.03	.07	.06	.07	....	....	.01	....	....	....	....	....	....	....	....	.11	....	....	.01	T.	....	....	....	.82	.35	....	T.	....	.07	.21	.65	2.46

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for May 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	57	51	40	40	62	82	79	82	63	65	57	60	71	80	80	63	55	70	85	75	79	77	77	62	60	72	68	69	70	70	70	67.5
	Minimum	36	35	33	32	32	34	36	42	43	28	28	25	38	51	39	40	40	31	36	47	38	40	45	49	48	41	43	31	39	45	45	38.4
Beckley	Maximum	65	51	38	44	70	83	84	86	80	67	63	67	80	83	77	63	67	80	83	77	83	83	82	71	66	75	66	70	74	68	68	71.4
	Minimum	45	31	28	26	24	38	48	49	48	36	29	24	40	51	46	43	42	36	53	49	39	52	49	53	41	43	42	34	40	44	40	40.7
Bluefield	Maximum	67	57	45	36	64	80	84	87	84	63	63	66	78	80	79	64	68	79	85	84	80	83	82	73	66	75	76	71	72	66	71	71.9
	Minimum	54	45	34	32	33	39	57	57	55	44	40	34	39	55	58	49	50	46	52	58	51	59	57	61	47	46	48	*44	47	52	46	48.0
Buckhannon	Maximum	72	58	44	50	67	85	82	88	85	70	60	66	79	82	80	64	60	72	88	85	80	80	83	75	63	76	74	71	76	60	70	72.4
	Minimum	58	41	36	37	31	42	60	54	60	40	37	32	58	58	56	50	44	40	51	57	58	52	58	62	52	46	48	50	50	50	47	48.9
Charleston[3]	Maximum	72	50	43	58	72	90	90	91	70	74	70	73	86	88	80	65	71	87	92	83	89	91	87	81	79	79	74	79	82	62	75	76.9
	Minimum	45	41	40	40	39	40	57	58	47	42	49	39	51	56	53	52	49	49	57	39	43	59	52	40	49	39	49	53	53	54	54	48.0
Clarksburg[3]	Maximum	73	52	45	50	73	87	84	88	66	70	62	69	80	86	82	60	63	77	92	81	86	87	88	77	68	80	73	76	83	57	78	74.0
	Minimum	50	44	37	33	31	34	47	52	52	39	36	30	41	54	48	52	45	39	43	55	46	51	54	62	51	46	47	47	49	55	49	45.8
Elkins	Maximum	68	52	42	43	67	85	81	85	66	65	57	63	75	82	79	63	59	74	88	76	83	82	82	70	63	77	67	70	74	60	71	70.0
	Minimum	42	38	34	34	31	38	58	52	44	35	34	29	54	55	47	48	43	37	48	54	46	51	51	56	49	46	49	47	45	50	47	45.0
Fairmont[3]	Maximum	72	52	44	49	75	91	88	91	69	73	62	70	79	89	82	59	58	79	94	84	87	87	88	76	64	81	74	78	81	57	78	74.5
	Minimum	53	43	38	37	30	37	56	53	52	38	37	32	45	55	51	51	45	39	49	55	48	52	56	62	51	48	49	49	48	55	50	47.2
Flat Top	Maximum	62	45	34	40	65	77	80	82	62	62	56	62	74	78	70	59	62	75	80	71	74	79	75	68	60	69	61	66	67	52	62	65.5
	Minimum	48	33	31	29	30	54	57	63	57	42	41	35	41	54	57	45	44	45	56	52	51	57	56	57	44	44	46	46	50	51	45	47.1
Gary[3]	Maximum	69	53	46	48	73	86	88	90	64	70	65	69	81	85	80	67	70	83	90	78	85	85	83	79	70	76	71	75	79	65	71	74.0
	Minimum	37	36	40	37	35	39	49	51	55	47	36	31	38	46	49	50	51	43	54	60	46	52	52	62	51	46	51	45	47	53	49	46.3
Glenville	Maximum	78	58	58	78	75	89	90	92	90	74	72	73	85	88	89	64	66	83	93	93	91	92	90	80	69	79	81	78	85	71	76	80.0
	Minimum	49	42	37	38	34	40	57	52	54	39	34	31	49	52	49	51	47	41	53	54	45	52	55	63	52	47	48	48	52	54	49	47.4
Grafton	Maximum	72	72	51	45	67	85	89	89	91	70	72	65	72	82	87	85	59	66	92	93	82	87	90	89	78	80	81	73	77	79	72	77.2
	Minimum	47	43	37	37	30	39	56	48	50	35	34	28	49	53	47	50	44	37	47	54	46	50	53	60	49	47	47	47	47	53	47	45.5
Huntington	Maximum	71	50	44	61	75	90	92	93	86	74	70	76	87	88	85	63	74	83	90	85	89	92	87	77	72	76	74	82	83	74	72	77.9
	Minimum	50	42	40	40	35	46	62	58	55	46	42	37	51	60	58	53	49	50	60	52	49	52	59	52	54	55	48	47	57	59	54	50.7
Lewisburg	Maximum	65	53	44	42	71	83	85	88	83	67	64	66	81	84	78	67	69	82	86	79	84	82	85	70	68	75	70	73	72	66	71	72.7
	Minimum	51	36	35	33	33	40	56	54	55	41	40	33	46	55	51	49	48	42	51	56	49	52	53	56	49	45	48	44	44	51	48	46.6
Logan[3]	Maximum	71	50	44	55	77	93	94	94	66	75	72	75	87	91	81	68	76	88	95	85	91	93	86	82	79	78	75	81	82	64	73	78.1
	Minimum	57	45	42	40	36	40	57	56	61	45	41	35	45	51	54	51	53	47	57	55	48	52	56	63	54	59	51	51	53	57	51	50.4
Madison[3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	71	55	44	51	69	86	83	88	84	67	64	67	78	85	80	57	57	72	89	80	82	83	81	75	64	74	68	71	77	69	71	72.3
	Minimum	48	43	38	38	29	38	50	47	51	34	33	30	50	52	46	46	45	39	47	52	45	49	52	61	51	46	47	46	51	51	51	45.4
Marlinton	Maximum	65	54	49	44	72	85	84	89	85	73	68	68	83	89	84	70	72	82	89	85	85	87	85	68	72	77	73	73	75	70	73	75.1
	Minimum	51	32	37	34	28	32	52	46	55	36	32	40	27	47	41	45	47	37	43	55	49	43	52	58	49	47	48	43	40	51	47	43.4
Martinsburg[3]	Maximum	74	65	54	57	77	88	89	80	69	73	71	69	88	95	89	72	70	82	88	80	85	78	77	60	63	73	80	80	79	60	73	75.4
	Minimum	52	47	42	42	44	42	48	49	51	42	43	39	50	58	55	55	52	52	52	62	58	62	59	57	56	56	58	50	50	52	50	51.1
Morgantown	Maximum	64	74	62	75	80	76	81	79	60	62	56	70	74	83	72	55	58	72	89	78	88	83	82	72	69	70	72	75	73	68	67	72.2
	Minimum	40	33	32	38	50	48	49	38	40	33	33	33	35	68	51	50	33	44	57	56	60	62	62	60	50	48	40	43	52	48	40	46.0
New Martinsville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Parkersburg	Maximum	69	46	43	55	72	90	86	91	67	67	61	73	83	87	77	56	62	73	90	80	85	90	81	78	67	74	73	74	81	61	72	73.0
	Minimum	46	40	37	39	35	51	58	57	51	43	41	37	61	64	56	46	46	43	60	53	51	55	61	54	53	52	50	47	55	54	50	49.9
Pickens	Maximum	66	55	44	38	65	83	77	84	70	72	63	60	75	79	77	63	57	77	86	84	80	83	83	70	63	72	65	67	71	61	68	69.6
	Minimum	44	35	30	30	28	38	53	54	44	32	31	26	42	55	48	46	40	40	50	40	48	55	52	55	44	48	41	43	42	48	41	42.7
Point Pleasant	Maximum	69	69	46	61	74	89	89	91	70	72	67	75	86	88	74	58	71	78	88	84	89	92	82	76	71	74	73	77	80	61	72	75.7
	Minimum	51	40	39	40	35	45	58	55	52	44	42	35	50	58	55	51	45	48	59	51	49	51	58	63	53	51	43	45	54	58	55	49.5
Rainelle	Maximum	62	50	42	41	69	82	83	87	82	67	65	66	78	84	82	64	67	79	87	77	80	83	83	67	66	74	65	69	71	64	67	71.1
	Minimum	48	32	33	32	29	32	47	45	50	35	30	26	34	42	41	42	46	34	48	55	38	40	47	56	46	41	42	40	38	51	47	40.9
Richwood[3]	Maximum	66	49	40	42	70	83	83	85	60	67	59	65	78	85	76	64	64	80	87	78	83	82	81	76	78	77	65	71	75	58	70	70.9
	Minimum	37	36	33	33	34	42	49	53	37	33	29	33	44	47	48	46	45	45	40	44	49	53	60	48	46	45	42	42	50	42	47	43.0
Romney	Maximum	70	59	59	59	71	88	86	82	79	68	68	68	81	87	86	74	64	79	91	88	82	81	78	75	61	73	74	75	75	76	77	75.3
	Minimum	47	37	42	41	37	38	64	49	49	35	38	31	50	57	47	55	51	45	45	61	52	56	57	57	54	59	57	47	47	46	51	48.5
Spencer[3]	Maximum	70	48	42	55	73	89	88	90	70	72	70	75	85	88	80	61	66	80	92	87	87	90	88	80	69	76	73	77	83	61	73	75.4
	Minimum	55	42	38	39	32	42	55	55	52	43	35	32	48	53	52	49	46	42	52	49	52	50	55	61	51	47	45	43	53	52	49	47.4
Sutton	Maximum	70	65	48	49	71	88	88	90	90	70	70	70	83	85	85	63	65	80	92	92	86	86	84	80	68	80	80	78	78	72	65	76.5
	Minimum	49	43	38	38	34	39	57	53	54	40	35	31	42	52	48	52	48	41	46	59	45	53	54	62	51	46	52	47	47	55	48	47.1
Wardensville[3]	Maximum	68	62	52	53	71	85	86	80	64	68	67	64	81	87	83	72	68	79	88	74	80	77	75	60	62	74	73	74	76	57	75	72.1
	Minimum	45	39	40	39	35	36	49	50	50	35	37	29	48	52	46	54	49	43	44	58	53	55	53	58	55	56	57	43	43	51	50	46.8
Weston	Maximum	73	47	47	49	72	84	84	86	86	70	70	69	76	84	83	65	67	80	94	93	88	89	90	80	70	80	77	78	81	73	75	76.1
	Minimum	50	43	36	37	32	41	58	53	54	41	36	32	50	55	50	52	46	40	52	58	47	53	55	63	51	48	47	50	50	54	60	48.2
Wheeling[3]	Maximum	68	47	45	53	71	84	81	86	65	70	60	70	80	85	80	56	54	72	89	79	87	85	80	77	63	77	73	73	79	62	73	71.7
	Minimum	58	43	38	39	34	38	50	51	50	36	39	36	45	61	53	51	45	40	52	52	56	53	56	61	53	49	50	50	52	56	51	48.3
Williamson[3]	Maximum	68	48	45	58	77	91	93	93	63	75	70	78	87	81	78	69	78	89	92	87	89	92	77	80	78	77	75	82	79	63	75	77.0
	Minimum	57	47	42	40	37	40	48	56	60	48	43	36	44	51	55	50	53	49	57	54	49	52	57	63	54	54	53	52	53	56	56	50.5

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.127	.070	.054	.024	.028	.139	.134	.269	.275	.051	.203	.172	.129	.202	.238	.086	.106	.064	.109	.184	.318	.190	.074	.258	.092	.086	.195	.284	.039	.134	.128	4.462
	Wind movement	43	108	90	83	48	20	89	49	74	24	29	58	50	68	54	44	102	38	15	56	15	9	14	24	52	2	36	33	15	36	36	1,414
Wardensville	Evaporation	.162	.120	.140	.072	.051	.197	.210	.286	.247	.091	.209	.187	.149	.183	.267	.307	.201	.211	.227	.330	.113	.202	.190	.215	.011	.028	.227	.185	.152	.105	.150	5.425
	Wind movement	39	87	57	51	53	41	73	38	53	31	31	65	48	68	43	101	60	50	33	93	19	38	31	52	61	23	45	30	22	66	60	1,562

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 6-28-40—900)

v WE

UNIVERSITY OF ILL

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., JUNE 1940 No. 6

GENERAL SUMMARY

The month was the fourth wettest June of record, having a total of 5.97 inches, which was 0.26 inch below that of last June. However, this year the driest section was the northeastern panhandle division and the wettest the southern division, whereas last June the driest section was the southern division and the wettest the northern division. Locally heavy rains caused the flooding of small streams. On the 9th local flood conditions prevailed on the headwaters of McKim Creek and also French Creek in Pleasants County. Fifty families were driven from their homes at Leslie when torrential rains fell in mid-afternoon of the 12th, flooding the Meadow Creek Valley to a depth of eight feet. At Beeson, on the 14th, a farm boy aged 14 years was killed by lightening. On the 19th, a young mother and her two year old son were drowned in flooded Dingess Creek near Logan. On the same day, two brothers, aged 14 and 16 years, were drowned in the swollen Elk River.

All sections averaged above normal in temperature, except a few places in the west central, the northeastern panhandle, and the extreme southeastern parts of the State. There were no noteworthy extremes of temperature.

The weather was favorable for a heavy growth of vegetation. The rainy weather interfered with cultivation and also was the cause of considerable hay spoilage.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 60 stations, was 70.3°, or 0.6° above the normal. The mean for the northeastern panhandle division was 70.1°; for the northern division, 70.4°; and for the southern division, 70.4°. The highest monthly mean was 75.2° at Huntington and the lowest, 63.8° at Flat Top. The highest temperature was 98° at Institute on the 7th and the lowest, 31° at Alpena on the 22d and 23d and Bayard on the 21st and 22d. The greatest daily range was 49° at White Sulphur Springs on the 3d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 113 stations, was 5.97 inches, or 1.53 inches above the normal. In the northeastern panhandle division the average was 3.76 inches; in the northern division, 6.24 inches; and in the southern division, 6.50 inches. The greatest monthly precipitation was 10.48 inches at Pickens and the least, 1.28 inches at Kearneysville. The greatest amount in any 24 consecutive hours was 3.50 inches at Benson on the 12th. The average number of days with .01 inch or more of precipitation was 17.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	1	9	8	2	1	6	..	1	8	3	7	3	3	1	1	1	..	1	..	5	6	..	1	..	..	2	..	..	..	..
Gales	..	..	..	..	..	..	..	1	..	..	..	..	1	..	1	..	..	2	1	..	..	..	..	2	3	1	..	1	1	1	..
Hail	..	..	..	..	..	..	3	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	1	1	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	3	..	1	4	1	8	14	26	24	19	20	24	11	12	3	4	2	6	8	1	1	1	4	11	11	6	13	18	3	8	..
Frost, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.96	30.28	21	29.58	24	6.5	25	w.	23	81	51	67	66
Columbus, Ohio	29.93	30.27	21	29.49	24	9.6	36	sw.	24	83	54	66	62
Elkins	29.98	30.26	17	29.56	24	5.9	24	w.	29	87	59	79	47
Parkersburg	29.96	30.29	21	29.53	24	5.7	21	w.	24	83	54	64	63
Pittsburgh, Pa	29.95	30.29	21	29.47	24	10.0	34	w.	30	79	55	67	47
Wytheville, Va	30.01	30.25	17	29.64	24	6.1	24	sw.	24	82	57	68	55

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	......	......	3.40	5.40	4.97	5.02	......	......	......	......	......
1892	74.1	99	41	4.30	3.85	3.77	3.90	......	......	......	......	......
1893	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	......	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	......	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	......	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	......	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	......	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	......	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	......	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	......	9	18	8	4
1914	72.0	100	30	3 12	3.63	2.03	3.00	......	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	......	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.31	4.66	......	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	......	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	......	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	......	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	......	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	......	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934	**74.3**	106	41	2.94	3.88	3.07	3.45	......	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	......	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	......	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	......	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	......	17	8	14	8
Period	69.7	109	27	3.93	4.56	4.42	4.44	......	11	13	10	7

Climatological Data for June 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	64.2	+0.7	88	7	31	§21	47	4.04	−1.09	1.02	0.0	20	19	5	6	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	69.8	+2.8	91	7	40	§21	39	3.18	−.70	.54	.0	11	13	2	15	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	51	...	...	...	...	...	...	...	2.48	−1.17	.85	.0	15	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	8	72.9	...	97	§6	42	21	43	2.62	...	.52	.0	9	12	14	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	71.6	...	92	6	42	21	34	1.28	...	.44	.0	7	8	18	4	sw.	University Exper. Station
Martinsburg	Berkeley	435	48	72.4	+1.4	94	6	45	22	38	2.23	−1.91	.60	.0	19	11	19	0	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	67.4	−.4	94	7	35	§19	48	2.48	−1.12	.40	.0	14	5	18	7	w.	R. E. Saville
Piedmont	Mineral	1,053	27	69.8	+1.7	90	7	41	21	35	4.69	+.69	1.51	.0	16	2	22	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	42	71.0	+1.1	90	§4	42	21	36	4.62	+.80	.76	.0	14	8	14	8	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8	...	...	...	...	...	...	...	5.59	...	.92	.0	18	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	20	...	...	...	...	...	...	...	3.89	−.13	.92	.0	14	4	9	17	w.	A. C. Becker
Wardensville	Hardy	1,200	19	69.3	+3.8	90	28	41	§21	36	5.07	+2.07	2.54	.0	21	5	18	7	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16	...	...	...	...	...	...	...	4.79	+.43	.92	.0	14	3	18	9	...	L. Esle Bond
Alma (near)	Tyler	800	13	...	...	...	...	...	...	...	7.82	+3.72	2.00	.0	18	10	10	10	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	64.9	...	90	7	31	§22	41	7.29	...	1.37	.0	22	5	13	12	...	Christian Hertig
Benson	Harrison	1,080	16	70.3	+2.1	95	7	38	21	43	8.05	+3.74	3.50	.0	16	12	18	0	...	R. D. Marts
Bens Run	Pleasants	652	38	72.6	+1.8	94	7	48	21	29	5.38	+1.16	1.22	.0	15	20	7	3	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	72.7	+3.2	95	9	41	21	40	5.15	+.84	.88	.0	15	6	24	0	...	M. D. Hawkins
Buckhannon	Upshur	1,411	43	69.7	+1.3	88	7	44	21	31	7.78	+3.07	1.94	.0	16	11	16	3	...	H. A. Darnall
Cairo	Ritchie	680	39	71.7	+1.4	96	8	42	§21	42	5.93	+1.42	1.32	.0	16	11	18	1	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	71.0	+1.6	95	7	41	21	36	4.69	+.42	1.00	.0	18	17	2	11	...	Clarksburg Water Board
Crawford	Lewis	1,107	17	...	...	...	...	...	...	...	6.77	+2.00	1.18	.0	16	7	17	6	sw.	George W. Blair
Creston	Wirt	640	38	68.8	−1.9	88	14	44	21	33	8.97	+4.59	1.51	.0	21	8	16	6	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19	...	...	...	...	...	...	...	4.08	−.26	.88	.0	23	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	24	...	...	...	...	...	...	...	5.86	+2.03	1.39	.0	16	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	19	...	...	...	...	...	...	...	6.91	+2.92	1.87	.0	22	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	24	...	...	...	...	...	...	...	5.81	+1.89	1.21	.0	17	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	24	...	...	...	...	...	...	...	5.93	+1.94	1.32	.0	15	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28	...	...	...	...	...	...	...	4.49	+.28	.89	.0	15	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	39	68.0	+1.1	89	7	39	21	35	4.75	−.31	.88	.0	17	2	11	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	71.7	+1.4	93	7	42	21	36	6.49	+2.08	...	.0	21	10	11	9	w.	J. C. Robinson
Glenville	Gilmer	738	46	73.8	+2.7	96	7	45	21	35	5.83	+1.44	1.08	.0	17	12	6	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	71.8	+2.7	94	8	41	22	35	6.56	+2.43	1.22	.0	19	6	16	8	...	L. W. Clayton
Hastings	Wetzel	809	5	...	...	...	...	...	...	...	4.83	...	1.52	.0	20	11	19	0	w.	L. G. McIntyre
Horner	Lewis	1,044	17	...	...	...	...	...	...	...	6.94	+2.64	1.00	.0	15	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	17	...	...	...	...	...	...	...	5.24	+1.17	1.04	.0	14	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	70.0	+2.4	91	7	39	21	36	4.99	+.66	1.28	.0	13	6	10	14	w.	Allen Smith
Mannington	Marion	974	37	68.7	+.9	87	7	40	21	33	7.43	+3.15	1.59	.0	19	7	15	8	sw.	James A. Morgan
Morgantown	Monongalia	1,300	47	71.4	+2.1	91	12	45	4	43	4.40	+.16	.55	.0	18	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	42	69.7	+1.5	89	11	42	21	30	4.61	+.06	1.76	.0	15	7	0	23	se.	C. O. Valentine
New Martinsville	Wetzel	634	46	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Wm. Ankrom
Parkersburg	Wood	615	53	72.6	+1.2	93	7	48	21	30	6.36	+2.36	1.23	.0	18	5	18	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	69.9	+3.0	94	7	41	21	37	7.16	+2.17	...	.0	17	4	21	5	...	J. W. Swisher
Philippi	Barbour	1,300	43	...	...	...	...	...	...	...	5.14	+.45	1.13	.0	21	...	...	...	...	Mrs. Maxine Leach
Pickens	Randolph	2,760	37	64.8	−.1	87	7	34	21	35	10.48	+4.68	2.00	.0	19	12	11	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17	...	...	...	...	...	...	...	7.91	+3.60	1.25	.0	16	11	3	16	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52	...	...	...	...	...	...	...	5.55	+.18	1.02	.0	18	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	625	32	...	...	...	...	...	...	...	8.03	+3.86	1.91	.0	16	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	39	66.6	+1.9	87	§4	33	22	44	8.04	+1.86	1.65	.0	14	8	20	2	w.	John Dee Williston
Thomas	Tucker	3,000	11	...	...	...	...	...	...	...	5.26	+.15	1.20	.0	17	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	17	72.3	+2.7	95	8	40	21	44	6.50	+2.75	1.08	.0	17	3	23	4	w.	S. A. Spence
Vandalia	Lewis	1,120	17	...	...	...	...	...	...	...	6.90	+3.09	1.28	.0	16	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	33	69.8	+1.8	92	7	37	21	38	4.87	+.73	1.53	.0	15	11	13	6	...	George P. Pfister
West Milford	Harrison	979	15	...	...	...	...	...	...	...	6.45	+2.18	.95	.0	14	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	45	73.9	+3.5	96	7	43	19	47	6.68	+2.34	1.12	.0	20	0	27	3	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	71.6	+1.0	91	§6	45	21	35	4.94	+1.05	1.23	.0	16	12	11	7	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14	...	...	...	...	...	...	...	7.82	+4.07	2.63	.0	14	11	15	4	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	65.2	−2.2	88	7	34	21	42	7.20	+2.79	1.31	.0	20	9	18	3	...	L. A. Mauck
Bluefield	Mercer	2,558	45	68.8	−1.3	86	§6	44	21	31	4.58	+.35	.94	.0	14	9	7	14	...	Norfolk & Western Ry.
Charleston	Kanawha	602	37	73.5	+.4	95	7	49	20	32	5.81	+1.42	1.84	.0	14	6	17	7	...	Charleston Daily Mail
Clay	Clay	790	24	...	...	...	...	...	...	...	8.09	+3.58	1.82	.0	18	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,260	2	63.8	...	82	7	44	§21	27	8.54	...	1.39	.0	18	10	11	9	w.	U. S. Airway Station
Gary	McDowell	1,426	24	70.3	+1.0	93	7	45	§21	38	5.36	+.29	1.74	.0	15	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	72.1	...	94	7	45	§21	36	5.45	...	1.80	.0	14	4	16	10	sw.	State Forest Nursery
Hinton	Summers	1,431	43	72.6	+2.1	97	7	47	22	38	5.62	+1.32	1.00	.0	18	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	24	...	...	...	...	...	...	...	5.84	+1.81	1.67	.0	16	...	...	...	...	Lockmaster
Huntington	Cabell	571	43	75.2	+2.3	96	§6	49	21	34	6.46	+2.23	1.87	.0	14	7	16	7	sw.	H. N. Robinson
Institute	Kanawha	616	2	73.0	...	98	7	46	21	40	6.74	...	1.83	.0	20	...	...	...	...	Civil Aeronautics Authority
Kanawha Falls	Fayette	618	21	...	...	...	...	...	...	...	6.06	+1.98	2.00	.0	15	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	24	...	...	...	...	...	...	...	8.16	+2.97	1.51	.0	16	...	...	...	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	68.4	+1.2	90	7	41	21	34	4.48	+.54	1.81	.0	19	7	14	9	...	J. K. Monroe
Logan	Logan	700	37	74.0	+.4	96	6	49	22	38	8.35	+3.46	2.82	.0	16	7	13	10	...	Paul A. Simonds
London Locks	Kanawha	623	4	72.4	...	95	7	49	22	38	6.63	...	2.24	.0	18	...	...	...	...	Lockmaster
Madison	Boone	675	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	68.8	+4.5	93	7	40	§21	40	5.95	+1.14	2.70	.0	17	1	18	11	...	Edward A. Moore
Point Pleasant	Mason	595	41	73.0	+.6	94	§6	47	21	32	5.53	+1.45	1.59	.0	18	8	16	6	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	65.8	...	87	7	37	22	37	9.73	...	2.94	.0	18	7	9	14	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	72.8	+2.3	93	§7	43	30	36	5.11	+.97	1.12	.0	17	13	4	13	sw.	Lockmaster
Richwood	Nicholas	2,193	10	65.8	...	91	7	41	21	33	9.94	...	2.00	.0	21	4	13	13	se.	Cherry River Paper Co.
Ryan	Roane	700	37	67.8	−1.0	91	7	42	§21	39	8.34	+3.69	2.30	.0	16	6	14	10	...	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	65.4	...	87	§7	34	22	40	8.26	...	2.00	.0	16	2	20	8	sw.	Supt., State Forest
Spencer	Roane	789	36	70.8	+1.1	94	7	44	§21	41	5.60	+1.09	.88	.0	19	5	21	4	...	A. M. McKown
Sutton	Braxton	850	34	72.6	+1.3	96	§7	45	§21	36	5.18	+.22	1.48	.0	17	...	...	...	...	C. B. Eakle
Union	Monroe	2,250	36	68.2	+.4	89	§6	38	21	37	3.38	−.61	1.28	.0	12	12	13	5	...	C. B. King
Wayne	Wayne	598	13	...	...	...	...	...	...	...	5.71	+1.69	1.13	.0	16	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	71.5	+3.5	93	§7	39	22	49	5.70	+1.72	1.75	.0	14	11	9	10	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	40	74.7	+2.1	96	6	50	22	37	5.01	+.24	1.08	.0	15	10	17	3	nw.	J. E. Dotson
Winfield Locks	Putnam	570	2	72.8	...	95	7	48	21	37	8.59	...	1.95	.0	19	11	9	10	sw.	Lockmaster
State averages and	extremes	...	...	**70.3**	**+.6**	**98**	**7**	**31**	**§21**	**49**	**5.97**	**+1.53**	**3.50**	**.0**	**17**	**8**	**14**	**8**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. ‖‖ Incomplete.

Daily Precipitation for June 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.04	.03	....	....	.13	....	.34	....	.15	.02	.30	.03	.28	....	.10	.07	.10	1.02	.54	.05	....	....	T.	.12	T.	.17	.07	.06	....	.12	....	4.04
Brandywine	do	.18	....	....	....	....	....	....	.42	.30	.10	.15	.41	.13	.15	....	.30	.54	.50	....	....	....	T.	....	T.	....	....	T.	....	....	....	....	3.18
Brushy Run[2]	do	.13	....	....	....	.98	....	....	....	.11	1.01	.10	.34	.88	T.	.35	T.	.08	.48	.14	....	....	....	.03	.07	.10	....	.04	.04	T.	.05	....	4.93
Harpers Ferry[2]	do	....	....	....	....	....	.07	.13	.07	.08	.13	....	.04	T.	....	....	....	*	.31	.20	.23	....	....	....	.08	....	.19	.05	.05	.85	....	....	2.48
Inwood	do	.02	....	....	....	....	....	.17	....	.52	.35	....	....	....	....	....	.30	.43	.16	....	....	....	....	....	T.	....	....	....	.20	....	.47	....	2.62
Kearneysville	do	....	....	....	....	....	T.	....	.33	T	....	.09	.04	....	....	....	....	.16	.44	.14	....	....	....	....	....	....	T.	....	....	....	.08	....	1.28
Knobly Mountain[2]†	do	.10	.11	....	....	....	....	....	.05	....	.90	.03	.42	.14	....	....	....	.08	.80	.16	.75	....	....	....	....	....	....	.08	.10	T.	.15	....	3.87
Martinsburg[2]	do	.10	....	....	....	.02	....	....	.45	.18	.03	.08	.10	.02	T.	....	....	.10	.60	.05	.05	....	....	.10	.05	.02	....	.18	.03	.02	.05	....	2.23
McNeill	do	.23	....	....	....	T.	T.	T.	.19	.28	.12	.27	.34	.11	.04	T.	T.	.27	.40	.07	....	....	T.	....	.08	.03	....	....	.05	T.	T.	....	2.48
Petersburg	do	.26	....	....	....	....	....	....	2.22	....	.67	.61	.41	.06	.13	....	....	.47	.25	....	....	....	....	....	....	....	....	....	.17	....	....	....	5.25
Piedmont	do	.07	....	....	....	....	....	.40	1.51	.65	.01	.11	.03	.11	....	.04	....	.14	.57	.29	....	....	....	....	.02	.03	.25	....	.46	....	....	....	4.69
Romney	do	.34	....	....	....	.41	.28	....	.14	.76	.08	.70	....	....	....	....	....	.23	.27	.31	....	....	....	....	.10	....	.24	....	.19	....	.57	....	4.62
Spruce Knob[2]†	do	.08	....	....	....	.27	....	....	.39	.15	.84	.48	.19	T.	.14	.38	.22	.24	.92	.17	T.	....	....	....	....	.28	T.	.29	.12	.39	04	....	5.59
Stony River Dam[2]†	do	.12	....	....	....	.25	....	....	....	....	.92	.18	.32	.17	....	....	....	.13	.76	.53	....	....	....	....	.28	....	....	.05	.05	.08	.05	....	3.89
Wardensville[2]	do	.03	.01	....	....	.01	....	.14	.10	.67	.02	.10	2.54	.08	.01	.19	T.	.30	.15	.12	.43	....	....	.01	.06	....	....	.05	.04	....	.01	....	5.07
Northern Division																																	
Aberdeen†	West Fork	.07	T.	....	....	....	....	....	.16	.30	....	T.	.31	.92	....	.41	T.	.51	.58	T.	....	....	....	....	.92	.04	.03	.16	.26	.12	T.	....	4.79
Alma (near)	Ohio	.01	....	....	....	....	....	....	2.00	.52	.01	.10	1.40	.05	.37	.02	.48	.57	.63	....	....	....	....	....	.80	.05	.10	....	.49	.10	.12	....	7.82
Alpena	Cheat	.03	....	....	.87	.22	....	....	1.37	.08	.09	.18	.34	.18	.06	.42	.11	.87	.67	.02	....	....	....	....	.40	.05	.12	.23	.36	.27	.35	....	7.29
Belington[2]	Tygart	.22	T	....	....	T.	....	....	.02	.30	.04	.05	.62	.91	.57	.06	.32	.04	.54	.56	.04	....	....	T.	.68	.23	.03	.22	.29	.06	.10	....	5.90
Benson†	West Fork	.56	.20	....	....	....	....	....	....	.20	....	....	3 50	.22	....	.18	....	.50	1.10	.10	.12	....	....	....	.70	.05	.02	.18	.40	.02	....	....	8.05
Bens Run	Ohio	.04	....	....	....	....	....	....	.10	.61	....	.45	.11	....	.30	T.	.16	.97	.65	T.	....	....	T.	.07	1.22	....	.12	T.	.24	.21	.13	....	5.38
Big Skin Creek	West Fork	.10	.03	....	....	....	....	....	.30	.74	....	.13	1.30	....	T.	.52	....	.51	.69	T.	....	....	T.	....	1.30	....	.13	.21	.37	.12	.25	....	6.70
Brownsville†	do	.22	.08	....	....	....	....	....	.50	.29	....	....	....	.08	....	.88	....	.49	.86	....	....	....	....	....	.83	.06	.14	.18	.39	.05	.10	....	5.15
Buckhannon	Tygart	.03	.10	....	....	....	....	....	1.94	.19	....	.55	.26	.47	....	.98	....	.50	....	.35	....	....	....	....	1.20	....	.11	.27	.43	.10	.30	....	7.78
Cairo	Litl.Kanawha	.18	.50	....	....	....	....	....	.58	.10	....	....	1.32	....	.38	.30	.25	.45	.95	....	....	....	....	.09	.39	....	.10	.20	.10	.04	....	....	5.93
Clarksburg[2]	West Fork	.04	.31	....	....	....	....	....	.20	.38	.10	....	.41	.53	....	....	.03	.11	.32	1.00	....	....	....	....	.53	.13	.04	.02	.16	.20	.18	....	4.69
Crawford	do	.04	....	....	....	....	....	....	1.18	1.17	....	.03	.23	.15	.03	.56	.69	.84	.01	....	....	....	T.	....	.95	....	.12	.36	....	.11	.30	....	6.77
Creston[2]	Litl.Kanawha	.23	.50	....	....	....	....	....	.35	.15	1.51	.03	.36	.15	.05	.63	1.12	.71	1.15	T.	.15	....	....	.23	.65	.33	.18	.17	.12	.20	T.	....	8.97
Dailey,[2]†	Tygart	.04	T.	....	....	.05	....	....	....	.11	.66	.26	.60	.75	.03	.23	.04	.09	.70	.43	.35	....	....	.01	.39	.35	.03	.24	.05	.72	.08	....	6.21
Dam 10, Mon. R.[2]†	Monongahela	.05	.09	....	....	....	....	.36	.07	.12	.04	.05	.05	.03	.05	.01	.12	.02	.47	.55	.13	....	....	T.	.10	.33	.15	.18	.07	.88	.16	....	4.08
Dam 13, O. R.[2]†	Ohio	.08	.08	....	....	....	....	....	.01	....	1.17	....	.08	1.39	....	.02	.82	....	.03	.31	....	....	....	....	.09	.13	.70	.10	....	.67	.18	....	5.86
Dam 15, Mon. R.[2]†	Monongahela	.03	.03	....	....	....	....	.13	1.07	.30	.05	.42	.24	.15	.08	.03	1.87	.06	.37	.95	.03	....	....	....	.32	.16	.15	....	.12	.20	.15	....	6.91
Dam 19, O. R.[2]†	Ohio	.32	T.	.02	....	....	....	....	.70	.04	.48	.02	.32	....	.06	1.04	.05	.08	1.17	.01	....	....	....	.13	1.21	T.	.08	.08	T.	....	T.	....	5.81
Dam 20, O. R.[2]†	do	.12	.05	.02	....	....	....	....	1.32	.50	.79	T.	.30	....	T.	.18	....	.98	.96	....	....	....	....	.17	.34	....	.08	.10	.02	....	....	....	5.93
Elizabeth (Dam 3)[2]	Litl.Kanawha	.18	.15	....	....	....	....	....	.64	T.	.05	.02	.33	T.	T.	.89	T.	.84	.68	....	T.	....	....	.13	.32	.09	.03	.06	.08	T.	T.	....	4.49
Elk†	West Fork	....	....	....	....	....	....	....	.85	....	....	.47	2.00	.15	....	.47	....	.55	.74	....	....	....	....	....	1.08	.08	.18	....	....	.08	.28	....	6.93
Elkins[1]‡	Tygart	.02	....	....	.03	....	....	....	.08	.61	.28	.07	.84	.02	T.	.27	....	.59	.65	.04	....	....	T.	T.	.47	T.	T.	.30	.07	.10	.31	....	4.75
Fairmont[2]	Monongahela	.03	.07	....	....	....	....	.15	.93	.19	.04	.94	T.	.18	.04	.04	1.11	.09	.39	....	....	....	....	*	*	*	*	*	1.93	.15	.21	....	6.49
Glenville[2]	Litl.Kanawha	.49	.34	....	....	....	....	....	.08	....	.63	....	.68	.43	.11	.04	....	.38	1.08	.24	....	....	....	.04	.56	.17	.14	.11	.31	....	....	....	5.83
Grafton	Tygart	.04	.11	....	....	....	....	....	.65	.24	....	....	.79	1.16	....	.15	.09	.39	1.22	.15	....	....	....	.02	.25	.07	.18	.03	.62	.02	.38	....	6.56
Hackers Creek†	West Fork	.14	....	....	....	....	....	....	1 51	.60	....	....	1.73	.19	....	.08	....	.95	....	....	....	....	....	....	.67	.09	.02	.13	.25	....	.23	....	6.59
Hall[2]	Tygart	T.	.02	....	....	....	....	....	.52	.39	.11	....	.70	1.49	.38	.12	.24	.05	.52	.43	T.	....	....	T.	.96	.08	.02	.19	.18	.14	.05	....	6.59
Harrison Co. Airport	West Fork	....	.28	....	....	....	....	....	.20	T.	.07	T.	.35	.92	....	....	.04	.15	.59	.85	....	....	....	....	.40	.14	.06	T.	.16	.28	.13	....	4.62
Hastings	Ohio	.03	.05	....	....	....	....	....	.46	.02	.03	.05	1.52	.25	....	.26	.20	.12	.63	.02	....	....	....	.02	.21	.45	.05	....	.40	.01	.05	....	4.83
Horner	West Fork	.10	....	....	....	....	....	....	.40	....	.45	....	.75	....	....	.25	....	.50	1.00	.80	....	....	....	....	1.00	.09	.50	.25	.35	.25	.25	....	6.94
Ireland	do	.03	....	....	....	....	....	....	.29	.62	....	.52	.25	.08	.11	.21	.52	.85	.93	.14	....	....	....	....	.60	....	.10	.18	.31	.11	....	....	5.85
Jane Lew	do	.25	.06	....	....	....	....	....	.18	.72	T.	.09	.65	.31	.27	....	....	.52	.82	....	....	....	....	....	1.04	....	.15	.14	....	.04	T.	....	5.24
Kumbrabow St. For.†[2]	Tygart	....	T.	....	T.	....	....	....	.17	T.	1.60	.67	.25	.05	.40	.10	1.00	.50	.70	T.	....	....	T.	T	1.00	T.	.10	.40	.20	.60	.70	....	8.44
Lost Creek	West Fork	.07	T.	....	....	....	....	....	1.07	.25	....	T	1.28	.15	....	.04	....	.52	.54	T.	....	....	T.	....	.53	....	T.	.10	.30	.03	.11	....	4.99
Mannington	Monongahela	.10	.12	....	....	....	....	....	1.28	.76	.08	.08	.42	.07	....	.12	1.12	.19	1.59	.02	....	....	T.	....	.33	.24	.09	T.	.47	.24	.11	....	7.43
Midvale[2]†	Tygart	.19	....	....	....	....	....	....	.09	.49	....	.12	1.15	....	.15	.06	.31	.05	.71	.59	.23	....	....	....	.48	.15	.02	.23	.03	.04	....	....	5.09
Morgantown	Monongahela	.01	.55	....	....	....	.20	....	.10	.20	....	.15	.15	.10	T.	.10	T.	.50	.55	.50	....	....	....	....	.15	.33	.15	.30	....	.01	.35	....	4.40
Mt. Clare	West Fork	.10	T.	....	....	....	....	....	.98	.13	....	.02	1.19	.10	....	.02	.02	.45	.46	.03	....	....	.01	....	.55	T.	....	.12	.47	.10	.20	....	4.95
New Cumberland	Ohio	.14	....	....	....	....	....	.02	.35	.20	.06	.25	....	....	.06	.34	....	....	.37	....	....	....	....	.35	....	.16	.08	....	1.76	.06	.41	....	4.61
New Martinsville	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Parkersburg[1]‡	do	.03	....	....	....	....	....	.60	.01	.87	T.	1.11	T.	.04	.32	.16	....	.75	.66	.19	....	....	T.	1.17	.04	.15	.01	.10	.01	T.	.14	....	6.36
Parsons	Cheat	....	....	.21	....	....	....	.30	.20	.14	*	*	2.10	....	.38	....	.27	.86	.22	....	....	....	....	1.02	....	.08	.09	.69	*	....	.60	....	7.16
Philippi[2]	Tygart	T.	.06	....	....	....	....	....	.01	.40	.08	.26	.15	1.13	.11	.02	.19	.05	.38	.77	.09	....	....	T.	.80	.04	.09	.14	.12	.07	.18	....	5.14
Pickens	do	.04	....	....	....	.09	....	....	.44	.11	.81	.66	....	.56	.16	.19	.84	.65	2.00	.30	....	....	....	....	1.25	....	.11	.63	.37	.98	.29	....	10.48
Pickens No. 2	do	.04	.05	....	....	.08	....	....	.04	.43	.07	.73	1.01	.09	.16	.20	.08	1.10	1.04	.93	.08	....	....	.03	.87	.52	.11	.48	.27	1.32	.12	....	9.85
Roanoke	West Fork	.27	....	....	....	....	....	....	.25	1.25	....	....	1.18	.10	.21	....	....	.42	1.11	.22	.10	....	....	....	1.25	.15	.12	.24	.92	.12	....	....	7.91
Rockford†	do	.08	.02	....	....	....	....	....	.70	.41	....	....	2 31	.22	....	.25	....	.50	.55	....	....	....	T.	....	.94	....	.02	.12	.22	.02	.17	....	6.53
Rowlesburg[2]	Cheat	.12	T.	....	....	.06	....	.12	....	T.	....	.51	.29	.28	.18	....	.19	.05	.98	1.02	T.	....	....	....	.30	.04	.13	.06	.62	.36	.24	....	5.55
Saint Marys[2]	Ohio	.25	....	....	....	....	....	....	.45	....	1.18	....	.70	.03	....	.22	.06	....	1.30	1.91	.60	....	....	.02	.79	.30	.06	.08	.08	T.	....	....	8.03
Salem	West Fork	.34	.56	....	....	....	....	....	.34	.19	....	....	.43	.05	T.	.10	....	.40	1.14	....	....	....	T.	....	.45	.17	T.	.06	.38	.06	.22	....	4.89
Shinnston	do	.25	....	....	....	....	....	....	.75	.80	.05	.35	.05	....	....	.30	....	.90	.10	....	....	....	.05	.20	....	.15	....	T.	.10	....	....	....	4.05
Terra Alta[2]†	Cheat	T.	.15	....	T.	....	.25	....	T.	....	.05	.04	.75	....	....	....	....	....	.45	1.50	.80	....	....	.25	....	T.	.25	.95	.25	.70	1.65	....	8.04
Thomas[2]	do	.04	....	....	....	.52	....	....	....	.27	.03	.23	.28	.76	.30	.05	....	.05	.57	1.20	....	....	....	....	.55	.05	....	.09	.11	.16	....	....	5.26
Valley Chapel	West Fork	.20	.10	....	....	....	....	....	.45	.86	....	.20	1.08	.21	....	.29	T.	.62	.74	T.	.10	....	....	....	1.08	.09	.01	.19	.20	....	.08	....	6.50
Valley Head[2]	Tygart	....	.02	....	....	.30	....	....	.45	1.65	.14	.15	.03	.12	.07	21	T.	.57	.82	.60	T.	....	....	T.	.26	.22	....	.36	.19	1.01	.01	....	7.18
Vandalia†	West Fork	....	.11	....	....	....	....	....	.93	.68	....	.50	.18	.07	....	.30	....	.48	1.28	.17	....	....	....	....	.74	....	.20	.22	.61	.28	.15	....	6.90
Wellsburg (near)	Ohio	.24	....	....	....	....	....	....	....	.25	.03	.10	.23	....	....	.12	.68	....	.42	.05	....	....	T.	....	.48	.22	.05	....	1.53	.25	.22	....	4.87
West Milford	West Fork	.86	.18	....	....	....	....	....	.92	.15	....	....	.95	.13	....	....	....	.52	.42	....	....	....	....	.48	.13	....	.14	....	.56	.09	.92	....	6.45
Weston[2]	do	.31	.16	.18	....	....	....	....	....	.48	....	.10	....	.92	.22	.06	.24	.39	.44	.44	.51	....	....	....	1.12	.10	.08	.26	.25	.28	.14	....	6.68
Wheeling (Dam 12)[2]	Ohio	.03	.23	....	....	....	....	....	.01	....	.22	.01	.10	.08	....	T.	.65	....	....	.73	.29	....	....	T.	.16	.09	1.23	.20	....	.43	.48	....	4.94
Southern Division																																	
Arbovale[2]	Greenbrier	....	....	....	1.00	....	....	2.63	.05	.52	.17	.12	.18	....	.08	....	....	1.00	.60	T.	....	....	.01	....	.24	....	....	1.11	.11	....	....	....	7.82
Beckley	New	.08	....	....	.46	....	....	.94	.09	.44	.23	.07	.37	.06	.75	....	.23	.34	.11	.75	....	....	....	....	.35	.29	.26	1.31	.03	.04	....	....	7.20
Bluefield	New	.06	....	....	.23	....	....	.02	.06	*	.18	.46	.63	....	....	....	....	.79	.04	.94	....	....	....	....	....	.38	.25	.54	....	....	....	....	4.58
Camden-on-Gauley[2]	Gauley	.06	....	....	....	.09	....	....	.20	.52	.10	....	.15	.18	.14	.38	.06	.20	.59	.02	.18	....	....	.12	.24	.29	.10	2.67	1.28	.50	.08	....	8.15
Charleston[2]	Gr. Kanawha	....	....	....	....	....	....	.19	....	....	.24	....	....	....	.06	.51	....	.19	.09	.04	....	....	.02	.75	.30	.66	....	1.84	.55	.37	....	....	5.81
Clay[2]	Elk	.11	.01	....	....	....	....	....	T.	.52	.24	....	.21	.08	T.	1.37	T.	.17	.19	.02	....	....	....	.15	.47	.25	.23	1.82	1.68	.56	.01	....	8.09
Flat Top[2]	New	.06	....	....	....	.02	....	....	.90	.33	.61	.58	.29	.20	....	.33	....	.58	.53	1.39	.33	....	....	....	.21	.28	.11	1.01	.78	....	....	....	8.54
Gary[2]	Big Sandy	.13	....	....	....	....	....	....	....	1.74	.46	.02	....	.57	....	.03	....	.40	.19	.31	.18	....	....	....	....	.55	.36	.38	.02	.02	....	....	5.36
Greenbottom[2]†	Ohio	.35	.13	....	....	....	....	....	.28	....	....	.49	....	....	.10	.07	T.	.22	....	.12	.03	....	....	....	.58	.41	.52	1.80	.35	T.	....	....	5.45
Hinton[2]	New	.03	....	....	....	.02	....	....	.15	.08	.66	.04	.83	.60	.16	.28	....	.27	.27	.48	....	....	....	T.	.21	.20	.02	1.00	.32	T.	....	....	5.62
Hogsett[2]	Ohio	.08	.11	T.	....	....	....	....	.20	....	....	.24	....	....	.52	.05	....	.17	.12	....	.55	....	....	.02	.74	.16	.31	1.67	.88	.02	....	....	5.84
Huntington	do	.07	.01	....	....	....	....	....	.16	T.	.10	....	....	.06	.78	.13	T.	.69	.08	.47	....	....	....	.21	1.57	....	.26	1.87	T.	....	....	....	6.46
Institute[2]	Gr. Kanawha	.25	.01	....	....	....	....	....	.09	.41	.16	.16	....	.17	.31	.37	.30	.10	.08	.02	.72	....	....	.02	.85	.30	.19	1.83	.40	T.	....	....	6.74
Kanawha Falls[2]†	do	.10	T.	....	....	....	....	....	.60	.26	.50	....	....	.20	.10	T.	....	.30	.40	.10	.40	....	....	T.	.25	T.	.40	2.00	.30	.15	....	....	6.06
Kayford[2]	do	.07	....	....	....	....	....	....	1.07	.27	.87	.37	T.	.30	.21	T.	....	.22	.10	.97	.50	....	....	....	.22	.80	.49	1.51	.19	....	....	....	8.16
Lewisburg	Greenbrier	.17	....	....	.26	.01	....	....	.06	.26	.03	.25	.16	.04	.05	....	.22	.30	.04	.26	....	....	....	.15	.31	.07	.03	1.81	T.	....	....	....	4.48
Logan[2]	Guyandot	.60	T.	....	....	....	....	....	T.	.04	.15	.79	T.	1.11	....	.05	....	.12	.53	2.82	.07	....	....	....	.07	.35	.34	1.00	.26	.05	....	....	8.35
London Locks[2]†	Gr. Kanawha	.04	....	....	....	....	....	....	.14	.01	.65	.03	....	.07	.23	.04	....	.20	.22	.07	.57	....	....	.03	.45	.45	.47	2.24	.72	....	....	....	6.63
Madison[2]	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlinton	Greenbrier	.09	....	....	....	....	....	....	.34	.41	.05	.04	.01	.12	.10	....	.35	.73	.62	.03	....	....	....	.03	.02	.27	....	2.70	....	.04	....	....	5.95
Point Pleasant[2]	Ohio	.09	.11	....	....	....	....	....	.27	T.	.06	.19	.35	....	.51	.08	.03	.38	.12	....	.13	....	....	.07	.89	.20	.27	1.59	.19	....	....	....	5.53
Rainelle	Greenbrier	T.	....	....	....	T.	....	.14	.18	1.17	.03	.62	1.05	.01	.28	....	.10	.64	.84	.33	..	....	....	.04	.50	.40	.37	2.94	....	.09	....	....	9.73
Ravenswood[2]	Ohio	.25	.05	....	....	....	....	....	.25	.06	.48	.60	....	T.	T.	.10	.46	.22	.26	....	.16	....	....	.28	1.12	.15	.22	.39	.06	....	....	....	5.11

Continued on next page.

Daily Precipitation for June 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood ²	Gauley	.14	....	....	....	.75	....	....	.12	.02	.09	....	.12	.09	1.27	1.02	.06	.22	.89	.12	.15	....	....	.07	.33	.38	.13	2.00	1.77	.20	....	....	9.94
Ryan	Gr. Kanawha	.10	.02	....	....	....	....	....	1.12	1.14	.12	....	.54	.16	.93	....	....	.22	....	.05	....	....	....	.12	1.30	.12	.07	2.30	.03	....	....	....	8.34
Seneca State Forest†	Greenbrier	.59	....	....	....	.56	....	....	.71	.50	....	.69	.21	.25	.12	....	.32	.75	1.12	.01	....	....	....	....	.06	.15	....	2.00	....	.22	....	....	8.26
Spencer ²	Litl.Kanawha	.18	.08	....	....	....	....	....	.23	....	.25	.03	.88	.04	.05	.50	....	.15	.22	.01	.05	....	....	.15	.85	.84	.30	.76	.03	....	....	....	5.60
Sutton	Elk	.05	....	....	....	....	....	....	.30	.08	....	....	.14	.10	.10	.16	T.	.45	1.03	.05	....	....	....	.10	1.48	.07	.25	.70	....	.07	.05	....	5.18
Thornwood²	Greenbrier	.14	....	....	....	.18	....	..	1.36	.69	.80	1.42	.19	.05	.16	.03	.11	.69	.75	....	....	....	....	....	.39	.08	....	.62	.06	1.05	.39	....	9.16
Union	New	.52	....	....	....	.11	....	....	....	....	.10	....	....	.03	.10	....	....	.21	.20	.40	....	....	....	.02	.04	.37	....	1.28	....	....	....	....	3.38
Wayne ²	Twelvepole	.17	....	....	....	....	....	....	.44	....	.03	.35	....	.12	....	.09	....	.34	.16	.50	.20	....	....	....	1.13	.68	.25	.90	.16	.19	....	....	5.71
White Sulp'r Spgs. ²	Greenbrier	....	....	....	....	....	....	....	....	.50	.75	.15	.25	.05	....	....	.60	.40	.30	....	....	....	.15	.10	.25	....	1.75	.20	....	....	.25	....	5.70
Williamson ²	Big Sandy	.46	....	....	....	....	....	....	....	.03	1.02	.03	.06	.18	....	....	....	.46	.55	.32	....	....	....	....	.02	1.08	.45	.23	.11	.01	....	....	5.01
Winfield Locks²†	Gr. Kanawha	.22	.09	....	....	....	....	....	.29	....	1.22	1.24	.03	.69	.23	....	.17	.20	.07	.01	.13	....	....	.03	.59	.51	.22	1.95	.70	....	....	....	8.59

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.
T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Jackson's Mill, Weston; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; Loudon Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vaudalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for June 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard ³	Maximum	61	71	80	83	79	82	88	85	83	82	83	83	80	82	74	80	75	75	78	65	66	70	80	80	70	65	74	73	82	70	....	76.6
	Minimum	46	50	43	43	53	54	55	52	54	54	55	58	58	55	62	63	59	60	64	48	31	31	33	60	55	51	44	55	60	48	....	51.8
Beckley	Maximum	64	73	83	81	82	86	88	84	83	83	83	85	83	85	82	81	73	82	80	71	72	76	84	82	74	68	78	85	80	73	....	79.5
	Minimum	45	40	41	51	45	49	51	54	53	53	54	57	56	54	53	51	58	60	58	50	34	38	53	59	52	48	48	56	60	46	....	50.9
Bluefield	Maximum	65	76	79	78	83	86	86	82	82	83	80	80	82	85	83	79	74	81	80	75	73	76	83	83	82	72	78	84	82	76	....	79.6
	Minimum	51	51	51	60	52	58	60	59	60	60	62	64	61	64	64	61	63	67	64	58	44	48	54	62	57	52	59	66	64	46	....	58.1
Buckhannon	Maximum	65	75	80	85	82	85	88	84	82	85	87	85	82	85	78	81	78	81	79	72	71	72	81	82	71	70	73	83	76	76	....	79.1
	Miuimum	55	55	63	54	59	60	63	63	65	63	63	64	63	68	68	65	66	68	67	56	44	45	60	67	60	55	57	63	60	49	....	60.3
Charleston ³	Maximum	70	81	86	90	89	93	95	90	87	89	92	90	90	92	85	85	84	87	88	71	75	82	87	91	81	76	76	91	87	81	....	85.4
	Minimum	52	52	55	59	62	64	67	70	65	66	68	67	69	68	68	67	67	67	59	49	51	54	55	68	54	60	62	64	66	52	....	61.6
Clarksburg ³	Maximum	67	80	87	89	88	89	95	90	84	92	91	90	85	90	79	85	82	82	84	70	71	75	87	84	80	71	80	86	72	76	....	82.7
	Minimum	53	55	53	53	57	59	62	62	65	64	63	64	63	64	71	65	68	68	66	53	41	44	53	62	60	56	57	62	68	49	....	59.3
Elkins	Maximum	64	74	80	86	81	85	89	85	83	85	87	82	82	85	76	84	76	81	80	66	66	72	84	82	73	67	70	85	73	71	....	78.5
	Miuimum	52	55	49	51	60	58	61	62	62	60	61	63	61	67	65	65	66	67	58	47	39	40	59	62	58	54	56	65	55	51	....	57.6
Fairmont ³	Maximum	70	79	86	90	88	92	93	86	86	91	87	88	86	88	83	84	80	88	91	72	76	78	85	82	80	74	81	88	71	78	....	83.4
	Minimum	52	52	53	54	61	62	64	63	68	65	64	66	64	64	69	67	68	64	65	52	42	45	56	61	61	57	60	65	66	49	....	60.0
Flat Top	Maximum	59	68	72	73	77	81	82	74	75	77	75	76	76	78	73	69	68	75	75	63	65	71	75	75	66	64	72	78	67	66	....	72.2
	Minimum	48	48	50	53	55	55	60	61	61	59	59	62	62	62	62	62	61	61	61	53	44	44	49	59	52	48	48	56	60	47	....	55.4
Gary ³	Maximum	68	77	85	83	86	88	93	86	85	85	87	83	87	88	83	76	76	85	86	72	75	83	87	85	76	74	84	88	77	76	....	82.1
	Minimum	50	51	50	56	56	56	58	61	61	62	64	65	63	65	61	63	66	67	65	60	45	45	57	66	58	51	58	61	66	48	....	58.5
Glenville	Maximum	69	80	88	89	91	95	96	92	91	90	93	90	88	90	84	88	87	86	85	84	79	78	89	91	81	79	77	90	88	80	....	86.3
	Minimum	55	57	55	55	58	60	64	64	67	65	65	64	66	68	69	66	68	71	69	55	45	48	61	69	61	56	60	65	64	49	....	61.3
Grafton	Maximum	75	73	81	87	91	88	91	94	90	87	91	89	91	86	90	82	87	82	83	85	72	75	82	86	82	80	75	85	87	78	....	84.2
	Minimum	52	55	51	52	58	58	62	61	64	62	62	63	60	62	69	64	65	68	64	52	64	41	53	67	59	59	53	62	66	55	....	59.4
Huntington	Maximum	75	83	86	90	92	96	96	91	92	92	93	94	90	93	86	86	83	88	90	81	76	84	92	86	83	81	81	90	86	83	....	87.3
	Minimum	57	55	56	58	60	62	64	67	67	68	68	69	69	69	73	67	69	73	68	56	49	51	63	69	61	55	61	69	68	53	....	63.1
Lewisburg	Maximum	68	75	81	83	84	88	90	86	81	87	84	83	82	83	81	80	74	84	82	73	74	75	83	83	74	69	77	83	78	73	....	79.9
	Minimum	51	50	47	54	57	56	58	58	60	59	60	63	62	62	63	61	64	66	63	56	41	43	58	63	56	50	54	61	64	46	....	56.9
Logan ³	Maximum	71	83	88	90	92	96	93	93	90	89	92	92	90	91	87	81	78	90	89	77	80	85	93	89	82	78	88	92	78	82	....	86.6
	Minimum	55	54	55	57	57	60	62	65	65	66	66	65	67	69	67	66	69	70	67	59	50	49	55	69	59	54	60	65	69	52	....	61.4
Madison³	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	65	73	81	84	83	86	87	83	82	84	84	84	81	83	79	78	75	75	81	76	67	69	82	80	75	73	75	82	79	74	....	78.7
	Minimum	59	53	52	51	57	57	62	62	65	63	63	64	62	63	68	66	65	68	64	51	40	44	53	68	59	57	54	63	60	47	....	58.7
Marlinton	Maximum	71	79	81	89	86	89	93	86	85	88	86	86	86	87	84	84	77	85	83	77	77	80	86	86	77	74	80	86	84	80	....	83.1
	Minimum	51	45	44	52	57	54	55	59	58	60	61	61	62	62	61	57	62	64	62	50	40	40	56	62	57	42	46	55	61	41	....	54.6
Martinsburg ³	Maximum	80	80	88	92	92	94	88	86	88	85	78	91	91	88	87	85	71	82	80	75	72	76	80	93	81	81	86	90	85	83	....	84.3
	Minimum	53	54	52	54	66	66	65	66	64	65	64	65	66	66	70	72	63	62	67	55	46	45	53	63	66	56	52	57	63	58	....	60.5
Morgantown	Maximum	80	88	90	88	85	88	89	88	88	90	90	91	88	87	88	88	89	83	80	68	78	80	82	79	80	77	80	80	78	67	....	83.6
	Minimum	47	48	50	45	63	65	64	64	61	62	61	60	60	61	62	70	71	62	66	51	57	58	62	55	61	58	62	63	55	50	....	59.1
New Martinsville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Parkersburg	Maximum	70	78	86	87	89	92	93	87	85	87	91	90	87	88	82	83	80	85	86	71	71	74	89	84	79	75	76	88	75	80	....	82.9
	Minimum	56	53	58	58	62	66	66	67	68	66	66	66	68	69	72	69	68	71	66	55	48	51	59	65	58	56	60	67	58	54	....	62.2
Pickens	Maximum	59	70	76	78	85	81	87	85	80	86	83	80	80	82	76	78	68	77	76	56	65	73	80	79	74	77	69	80	70	68	....	75.9
	Minimum	47	47	46	58	61	56	56	54	56	56	57	61	56	60	62	61	60	61	61	47	34	38	54	62	47	43	51	57	62	43	....	53.8
Point Pleasant	Maximum	71	80	87	89	91	94	94	89	90	89	93	91	91	89	85	85	82	86	84	75	74	76	90	85	80	78	75	89	72	82	....	84.5
	Minimum	56	52	56	57	59	62	65	65	67	66	65	67	68	69	70	65	68	72	69	55	47	48	61	59	60	55	60	65	66	50	....	61.5
Rainelle	Maximum	64	77	80	81	83	86	87	83	79	84	80	82	82	82	79	79	73	81	78	71	71	74	79	81	73	72	74	80	76	72	....	78.1
	Minimum	50	45	44	46	50	50	51	56	55	55	57	60	58	60	58	56	62	64	61	52	39	37	60	63	62	46	54	53	62	43	....	53.6
Richwood ³	Maximum	65	74	83	83	84	86	91	84	81	84	81	83	82	82	78	80	76	79	79	68	71	75	83	82	74	69	70	69	68	65	....	77.6
	Minimum	48	46	50	51	52	55	58	57	56	52	58	59	60	62	59	62	63	63	55	42	41	51	61	57	52	53	51	52	48	49	....	54.1
Romney	Maximum	73	75	86	90	86	89	90	87	82	85	87	86	84	87	80	81	75	79	82	78	67	72	81	88	80	77	78	86	84	73	....	81.6
	Minimum	57	63	51	54	63	61	63	64	65	63	67	65	72	62	69	70	63	67	67	52	42	43	54	65	65	55	47	62	66	57	....	60.5
Spencer ³	Maximum	70	78	80	84	88	91	94	87	85	88	91	87	88	89	85	85	82	85	83	72	72	78	88	81	78	74	73	87	71	78	....	82.4
	Minimum	54	55	56	52	50	50	56	63	65	62	60	65	65	70	68	64	68	68	69	56	44	44	55	64	59	55	59	61	68	48	....	59.1
Sutton	Maximum	69	80	85	85	89	93	96	96	91	88	93	93	90	90	88	86	86	86	86	84	73	75	90	90	78	78	76	90	90	79	....	85.8
	Minimum	54	54	51	53	56	57	61	62	63	62	63	64	63	68	65	63	67	70	65	56	45	45	60	67	61	54	59	61	68	48	....	59.5
Wardensville ³	Maximum	74	77	83	88	86	89	89	87	87	82	84	89	85	83	79	79	74	79	84	70	68	71	82	87	77	73	81	90	78	75	....	81.0
	Minimum	56	46	49	52	62	58	61	64	61	61	65	63	62	61	64	64	60	61	61	52	41	41	53	64	65	53	46	59	70	52	....	57.6
Weston	Maximum	75	82	80	90	91	92	96	90	91	94	92	93	91	93	90	88	86	89	90	88	80	80	90	89	86	80	87	89	81	78	....	87.4
	Minimum	54	55	58	54	58	60	62	63	64	65	64	69	69	61	60	70	68	54	43	44	60	68	60	56	59	56	59	64	65	69	....	60.4
Wheeling³	Maximum	68	78	89	88	88	91	91	87	86	90	90	90	87	88	88	81	79	82	81	69	71	82	86	82	78	70	80	86	69	71	....	82.2
	Minimum	52	56	56	58	60	66	67	66	65	64	68	66	70	64	70	63	66	70	68	53	45	50	51	61	61	57	57	63	66	52	....	61.0
Williamson³	Maximum	69	83	89	92	92	96	94	91	93	91	93	92	92	91	87	75	77	89	89	79	82	87	93	90	79	79	88	90	79	83	....	86.8
	Minimum	55	55	56	58	58	62	64	66	66	67	68	68	69	70	67	68	69	70	69	60	52	50	59	69	59	54	60	65	70	54	....	62.6

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.138	.038	.165	.222	.170	.240	.214	.232	.181	.127	.191	.150	.189	.161	.157	.039	.237	.048	.158	.224	.242	.185	.069	.203	.194	.252	.151	.128	.213	.178	....	5.096
	Wind movement	20	10	32	9	12	36	32	21	16	5	16	13	17	46	17	63	12	26	13	103	19	8	10	50	109	72	73	29	130	103	....	1,124
Wardensville	Evaporation	.161	.169	.162	.188	.226	.255	.240	.166	.254	.149	.177	....	.167	.246	.165	.174	.187	.022	.090	.229	.308	.240	.108	.199	.258	.190	.217	.244	.270	.341	....	6.002
	Wind movement	34	26	21	18	19	32	31	25	22	21	40	25	19	36	24	49	24	24	25	34	55	38	16	20	66	49	35	42	67	83	....	1,020

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 7-29-40—900)

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VE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., JULY 1940 No. 7

GENERAL SUMMARY

Precipitation was practically normal; at the same time the month was the second driest July since the drought year of 1930. July 1937 averaged only 3.96 inches, while the driest July of record was that of 1930 when the state average was 1.90 inches. The marked deficiencies of precipitation occurred in the Ohio and the Kanawha Valley counties, while notable excesses occurred in the southeastern counties and the northeastern panhandle.

Temperatures averaged slightly below normal. Departures from the normal varied considerably, no division or subdivision, however, being completely above or below the normal. The most prominent deficiencies occurred in Randolph county and the greatest excesses in adjacent Pocahontas county.

Vegetation grew well throughout the month and harvesting of small grains was in progress at the close.

Thunderstorm damage occurred at Charleston at 3 p. m. on the 22d: plate glass windows were smashed; roofs from two downtown buildings were taken off; hundreds of trees were blown down; and 250 telephones were put out of order. Officials reported several thousand dollars worth of damage to power facilities. Minor damage was caused by lightning on the 23d at Elizabeth, on the 24th at Dam 19 in Wood county, on the 25-26th at Elkins, and on the 28th at Martinsburg and Charleston.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 60 stations, was 72.5°, or 0.6° below the normal. The mean for the northeastern panhandle division was 72.5°; for the northern division, 72.2°; and for the southern division, 72.8°. The highest monthly mean was 77.2° at Huntington and the lowest, 65.5° at Pickens. The highest temperature was 103° at Martinsburg on the 26th and the lowest, 33° at Thornwood (Fire Weather Station) on the 4th and Terra Alta on the 14th. The greatest daily range was 50° at McNeill on the 11th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 120 stations, was 4.43 inches, or 0.18 inch below the normal. In the northeastern panhandle division the average was 3.73 inches; in the northern division, 4.41 inches; and in the southern division, 4.75 inches. The greatest monthly precipitation was 8.28 inches at Gary and the least, 0.98 inch at Winfield Locks. The greatest amount in any 24 consecutive hours was 3.51 inches at Mullens on the 18th. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	18	11	7	19	18	7	6	10	10	10	4	3	13	7	3	5	13	12	11	4	3	3	2	3	6	4	4	8	3	3
Gales	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..
Hail	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	1	1	..
Halos, lunar	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	8	..	2	..	1	..	..	..	2	3	19	12	..	..	3	19	9	1	..	1	4	24	31	22	14	2	11	13	26	22	15
Frost, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.08	30.38	5	29.85	25	5.8	18	nw.	23	79	43	55	83
Columbus, Ohio	30.07	30.35	5	29.80	25	7.9	26	sw.	22	80	44	53	78
Elkins	30.12	30.42	6	29.90	12	4.2	25	nw.	29	93	58	78	60
Parkersburg	30.08	30.37	5	29.86	11	4.7	31	nw.	29	85	51	60	76
Pittsburgh, Pa	30.08	30.36	6	29.83	11	8.4	38	nw.	29	80	50	63	64
Wytheville, Va	30.12	30.37	6	29.92	31	5.0	24	ne	28	88	60	73	42

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**	......	......	5.08	6.57	3.50	5.59	0.0	......	......	......	......
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	......	......	......
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73 3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	**6.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4 46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3 26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.8	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16.	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2 06	2.03	**1.90**	.0	6	21	7	3
1931	76 8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
Period	73.1	112	31	3.81	4.70	4.62	4.61	.0	11	15	10	6

Climatological Data for July 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	65.8	−1.8	91	28	35	§5	40	4.47	+0.23	1.89	0.0	13	26	1	4	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	71.0	−.3	98	§26	40	2	39	2.79	−.78	1.17	.0	11	19	5	7	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	51								6.36	+2.86	3.33	.0	12					Miss Eleanor White
Inwood	Berkeley	569	8	77.0		102	§26	49	6	40	3.74		.78	.0	9	20	8	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	74.4		99	§26	46	2	35	4.90		1.59	.0	10	18	11	2	w.	University Exper. Station
Martinsburg	Berkeley	435	48	76.4	+.7	103	26	48	2	34	5.51	+1.89	1.75	.0	11	19	11	1	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	71.2	+.4	100	§26	39	§5	50	6.29	+3.26	1.92	.0	14	16	12	3	w.	R. E. Saville
Piedmont	Mineral	1,053	27	72.1	−.2	96	§28	46	§2	38	3.19	−.29	1.55	.0	13	11	16	4	w.	C. A. Suter, Jr.
Romney	Hampshire	824	42	72.8	−2.1	98	30	46	14	34	2.09	−1.39	.84	.0	8	25	2	4		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8								4.52		1.94	.0	11					Moses R. Bennett
Stony River Dam	Grant	3,300	20								2.89	−1.25	1.90	.0	8	2	20	9	w.	A. C. Becker
Wardensville	Hardy	1,200	19	71.6	+1.0	98	30	45	2	35	3.16	+.06	1.24	.0	14	8	17	6	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16								6.00	+1.21	1.90	.0	10	6	23	2		L. Esle Bond
Alma (near)	Tyler	800	13	...							3.33	−.76	.80	.0	13	9	19	3		H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	66.0		93	28	35	14	43	5.85		.95	.0	14	19	8	4		Christian Hertig
Benson	Harrison	1,080	16	72.0	−.5	97	§28	42	5	40	3.82	−1.33	.80	.0	14	14	15	2		R. D. Marts
Bens Run	Pleasants	652	38	77.0	+1.9	100	§29	52	4	30	1.95	−2.58	.47	.0	8	30	0	1		Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	73.6	−.2	98	29	46	§5	37	5.73	+.93	1.40	.0	11	13	18	0		M. D. Hawkins
Buckhannon	Upshur	1,411	43	70.8	−1.0	91	§28	47	§5	29	4.84	+.12	1.10	.0	12	18	11	2		H. A. Darnall
Cairo	Ritchie	680	39	73.4	−.9	99	28	45	3	35	2.52	−1.90	.68	.0	7	23	7	1		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	72.6	−1.2	96	28	46	14	37	3.86	−.22	1.16	.0	9					Clarksburg Water Board
Crawford	Lewis	1,107	17								5.16	+.02	1.44	.0	12	17	9	5	sw.	George W. Blair
Creston	Wirt	640	38	71.4	−3.3	94	30	47	5	31	4.04	−.18	1.40	.0	7	16	12	3		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19								3.35	−.73	1.25	.0	10					Lockmaster
Dam 13 O. R	Marshall	655	24								3.62	−.74	1.44	.0	10					Lockmaster
Dam 15 Mon. R	Marion	882	19								4.82	+.89	1.42	.0	10					Lockmaster
Dam 19 O. R	Wood	600	24								3.91	+.01	1.67	.0	9					Lockmaster
Dam 20 O. R	Wood	600	24								2.91	−1.02	.83	.0	9					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28								2.08	−2.32	.55	.0	8					Lockmaster
Elkins	Randolph	1,927	39	69.4	−.9	92	28	44	5	32	5.18	−.20	1.05	.0	12	5	15	11	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	73.8	−.5	97	§28	49	2	34	4.91	+.51	1.32	.0	13	21	6	4	w.	J. C. Robinson
Glenville	Gilmer	738	46	76.2	+.9	100	29	50	§2	39	5.07	+.20	1.57	.0	12	17	6	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	74.0	+1.4	96	29	47	14	34	4.34	+.26	1.44	.0	12	14	11	6		L. W. Clayton
Hastings	Wetzel	809	5								5.83		2.00	.0	8	12	13	6	w.	L. G. McIntyre
Horner	Lewis	1,044	17								3.27	−1.53	.80	.0	7					Foster R. Hardman
Jane Lew	Lewis	1,020	17								4.87	−.07	1.59	.0	12					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	72.2	.0	93	§20	44	§2	39	4.08	−.25	1.49	.0	12	14	10	7	w.	Allen Smith
Mannington	Marion	974	37	70.0	−1.8	91	30	45	14	32	5.15	+.36	1.27	.0	12	16	10	5	sw.	James A. Morgan
Morgantown	Monongalia	1,300	47	72.6	−.9	95	27	40	2	40	3.28	−1.10	1.40	.0	9	20	10	1		Bruce Davis
New Cumberland	Hancock	671	42	72.3	−.7	97	21	45	13	32	2.65	−1.43	.88	.0	8	15	5	11	nw.	C. O. Valentine
New Martinsville	Wetzel	634	46																	Dr. Z. W. Ankrom
Parkersburg	Wood	615	53	74.9	−.5	97	30	50	5	30	1.92	−2.37	.82	.0	10	13	12	6	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	71.9	+1.1	97	28	45	14	35	7.27	+2.18		.0	11	19	6	6		J. W. Swisher
Philippi	Barbour	1,300	43								6.22	+1.49	1.30	.0	14					Mrs. Maxine Leach
Pickens	Randolph	2,760	37	65.5	−3.1	89	28	41	7	31	5.74	−.30	1.05	.0	14	20	6	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17								6.03	+1.14	1.12	.0	13	17	3	11		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52								4.69	−.51	1.75	.0	12					W. H. Bolyard
Saint Marys	Pleasants	625	32								2.56	−1.60	1.16	.0	8					Edward Hughes
Terra Alta	Preston	2,559	39	67.2	−1.0	91	22	33	14	39	4.45	−.79	1.10	.0	9	12	13	6	w.	John Dee Williston
Thomas	Tucker	3,000	11								6.09	−.40	2.09	.0	13					W. Sleeman
Valley Chapel	Lewis	1,011	17	74.4	+.4	98	29	47	13	38	4.20	−.73	.80	.0	14	10	17	4	w.	S. A. Spence
Vandalia	Lewis	1,120	17								5.13	−.03	1.05	.0	11					James B. Kelley
Wellsburg (near)	Brooke	668	33	71.6	−.6	98	27	42	§5	41	3.14	−1.04	.75	.0	9	22	6	3		George P. Pfister
West Milford	Harrison	979	15								4.23	−.42	1.95	.0	6					Scotland G. Highland
Weston	Lewis	1,026	45	75.3	+.9	98	§28	48	§5	37	4.83	+.41	.88	.0	13	0	29	2		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	74.4	−.4	96	28	48	13	34	3.59	−.71	1.76	.0	9	15	11	5	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,734	14								5.11	+.40	1.62	.0	11	14	13	4	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	70.8	−.4	91	§26	40	5	35	7.45	+3.07	1.52	.0	17	7	19	5		L. A. Mauck
Bluefield	Mercer	2,558	45	70.4	−1.2	90	29	48	5	26	6.77	+2.70	1.25	.0	17	11	9	11		Norfolk & Western Ry.
Charleston	Kanawha	602	37	75.4	−1.5	98	29	54	§3	29	2.79	−1.99	.76	.0	10					Charleston Daily Mail
Clay	Clay	790	24								6.67	+1.69	1.86	.0	12					L. E. Woofter
Flat Top	Mercer	3,260	2	66.2		82	27	51	§5	18	7.82		1.78	.0	20	11	7	13	nw.	U. S. Airway Station
Gary	McDowell	1,426	24	72.6	−.5	94	§28	49	5	31	8.28	+3.35	2.00	.0	16					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	74.2		98	28	47	4	32	2.72		1.66	.0	7	6	18	7	sw.	State Forest Nursery
Hinton	Summers	1,431	43	75.2	+.8	101	26	52	5	33	3.99	−.08	1.42	.0	15					Mrs. M. L. McClung
Hogsett	Mason	564	24								1.90	−1.98	1.09	.0	7					Lockmaster
Huntington	Cabell	571	43	77.2	+.6	102	28	52	§4	35	3.66	−.64	1.05	.0	10	7	18	6	sw.	H. N. Robinson
Institute	Kanawha	616	2	75.9		101	28	49	4	36	1.66		.66	.0	10					Civil Aeronautics Bureau
Kanawha Falls	Fayette	618	21								1.30	−3.56	.25	.0	8					Miss Loula M. Brown
Kayford	Kanawha	1,335	24								6.35	+1.18	1.30	.0	12					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	70.0	−1.0	92	28	44	5	31	5.29	+1.40	1.33	.0	16	2	19	10		J. K. Monroe
Logan	Logan	700	37	76.1	+.1	99	26	52	5	30	3.86	−1.07	1.70	.0	12	6	13	12		Paul A. Simonds
London Locks	Kanawha	623	4	74.8		97	§28	53	§1	29	5.14		.82	.0	12					Lockmaster
Madison	Boone	675	19																	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	71.2	+3.6	95	26	44	5	44	5.15	+.36	1.60	.0	10	6	12	13	sw.	Edward A. Moore
Point Pleasant	Mason	595	41	75.6	−.8	100	30	50	§4	36	3.39	−.75	1.21	.0	7	20	9	2	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	67.6		90	27	42	5	31	7.55		1.95	.0	19	13	6	12		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	75.2	+.1	101	30	48	14	35	4.18	+.16	1.05	.0	7	13	4	14	se.	Lockmaster
Richwood	Nicholas	2,193	10	71.8		96	29	45	1	41	6.94		3.44	.0	12	9	15	7	se.	Cherry River Paper Co.
Ryan	Roane	700	37	70.4	−2.7	95	30	43	6	40	4.25	−.35	1.15	.0	8	16	13	2		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	67.9		91	28	41	§6	36	4.53		1.50	.0	13	3	18	10	sw.	Supt., State Forest
Spencer	Roane	789	36	73.1	−.5	96	§28	42	3	33	2.34	−1.90	.69	.0	9	6	21	4		A. M. McKown
Sutton	Braxton	850	34	75.0	+.2	99	§27	48	§2	35	6.36	+1.03	1.45	.0	13					C. B. Eakle
Union	Monroe	2,250	36	69.6	−2.0	94	28	43	5	33	5.68	+1.89	1.10	.0	11	12	10	9		C. B. King
Wayne	Wayne	598	13								2.13	−2.46	.82	.0	8					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	72.0	+.4	96	27	45	§5	34	5.45	+1.53	1.25	.0	12	16	6	9		White Sulphur Spgs., inc.
Williamson	Mingo	673	40	76.7	+.6	99	§28	54	5	30	3.45	−.98	.88	.0	11	11	14	6	nw.	J. E. Dotson
Winfield Locks	Putnam	570	2	75.4		97	30	52	§4	33	.98		.22	.0	8	11	12	8	sw.	Lockmaster
State averages and extremes				**72.5**	**−0.6**	**103**	**26**	**33**	**§4**	**50**	**4.43**	**−0.18**	**3.51**	**.0**	**11**	**14**	**11**	**6**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. |||| Incomplete.

Daily Precipitation for July 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	1.89			.66					.04			.65	.05			.03	.07	.05				.07	.58	.34	.02	.02						4.47
Brandywine	do	.15		1.17	.21							T.	.08					.45						.22	.05			.08		.30	.05	.03	2.79
Brushy Run[2]	do	.38			1.21								.30	.01			.40	.10	.05				T.	.10	.08	T.					.14		2.77
Harpers Ferry[2]	do	.46			.82	.14							T.	.04			.04	.43	.22						3.33				.02	.25	.35	.26	6.36
Inwood	do			.75	.78								T.				.29	.02	.61					.20	.43				.45	.21			3.74
Kearneysville	do	.37		.67	.26								T.	.03			.10	.04	.06					.35	1.43				1.59				4.90
Knobly Mountain[2]†	do	1.38			.95								.10					.34	.04			T.	.02	.10		.22					.10	.07	3.32
Martinsburg[2]	do	.45	.01		.75	.10						T.	.10	T.			T.	.25	.30					T.	1.65	.05				1.75	.10		5.51
McNeill	do	1.01		.76	.07					T.		.84	.04				.04	1.92	.02			.22	.13	.13		.84				.24	T.	.03	6.29
Petersburg	do	.59		.89	.09								.09					.12												.45			2.23
Piedmont	do	1.55		.52									.32				.01	.09				.03	.18	.14		.01		.13		.10	.09	.02	3.19
Romney	do	.84		.56								.15	.11					.12					.12							.10		.09	2.09
Spruce Knob[2]†	do	.31		.12	1.94							T.	.29	.13			.17	.31	.10					.22	.64	T.	T.				.29		4.52
Stony River Dam[2]†	do	1.90											.15				.08		.09				.09	.45	.06	.07							2.89
Wardensville[2]	do	1.23		.01	1.24	.01						.06	.04	T.				.03	.09	.01				.01	.35	.02					.05	.01	3.16
Northern Division																																	
Aberdeen†	West Fork	.93		T.								T.	.19				.29	.92				T.	T.	1.90	.07	T.		.02		1.21	.12	.35	6.00
Alma (near)	Ohio	.80										.09	.64				.01	.58			.35		.11	.55	.04	.01				.05	.05	.05	3.33
Alpena	Cheat	.95		.95	.04							.15	.18	.02			.85	.35					.57	.54	.35	.34				.33		.23	5.85
Belington[2]	Tygart	.98			.28					.03	.01		.30	.02			.70	.20	.24			T.	T.	.35	.58	.67					.17	.06	4.59
Benson†	West Fork	.80			.20							.06	.25				.02	.45				.38	.30	.70	.05				.10	.28	.05	.18	3.82
Bens Run	Ohio												.18					.18			T.		.28	.47	.30	.07					.06	.41	1.95
Big Skin Creek†	West Fork	.08		.02						T.		.85	.30				.12	1.09				.45	.65	.80	.21					1.03	.04	T.	5.64
Brownsville†	do	.45												.03			.68	1.40	.01				.64	.67		.37				.75	.11	.62	5.73
Buckhannon	Tygart	.04		.30								.14	.53				.55	.90				T.	.85	1.10	.03	.25				.08	.07		4.84
Cairo	Litl.Kanawha	.38											.62					.68						.20	.20	.16						.28	2.52
Clarksburg[2]	West Fork	1.16											.48				.06	.53	.24				.12	.33	.73						.21		3.86
Crawford	do			.11								.73	.49				.05	.98				.27	1.44	.61	.25	.03				.18	.02		5.16
Creston[2]	Litl.Kanawha	.15											.75	T.			.05	.30						T.	1.04	.35					1.40	T.	4.04
Dailey[2]†	Tygart	.51			.95								1.35	.01			.14	.38	.10				T.	.39	.38	.32					T.	.03	4.56
Dam 10, Mon. R.[2]†	Monongahela	1.25									T.		.43				.07	.03	.14				.15	.10	.73	.35		.10					3.35
Dam 13, O. R.[2]†	Ohio	1.44											.40				.26	.03	.03				.09	.57	.58			.03			.19		3.62
Dam 15, Mon. R.[2]†	Monongahela	1.42											1.10				.29	.14	.40				.13	.18	.65						.45	.06	4.82
Dam 19, O. R.[2]†	Ohio	.25	T.							T.			.24					.26				.23		.16	.32	1.67	T.	T.		.19	.62		3.94
Dam 20, O. R.[2]†	do	.16								T.			.79	.02			T.	.83							.35	.45			.18	.10	.03		2.91
Elizabeth (Dam 3)[2]	Litl.Kanawha	.20											.50	T.			.02	.28						.08	.55	.14		T.	T		.31		2.08
Elk†	West Fork												.20				.35	.85					.10	1.30	.11					.20	.30		3.41
Elkins[1]‡	Tygart	.43		.72						.03	T.	.25	.20				1.03	.84	T.				.23	.59	.65			T.		.01	.20		5.18
Fairmont[2]	Monongahela	1.32											.80				.15	.30	.24				.06	.33	.55	.08		.05	.04		.91	.08	4.91
Glenville[2]	Litl.Kanawha	.22											1.18	T.			.07	.91	.08				.12	.03	1.57	.46		.04			.08	.31	5.07
Grafton	Tygart	1.44											.30				.01	.39	.41				.14	.56	.13	.52			.12		.15	.17	4.34
Hackers Creek†	West Fork	.69			.02							.23	.35					.65					.45	1.10	.05	.31				.90	.05		4.80
Hall[2]	Tygart	.87			.03					T.	T.		.65	.02			.47	.64	.32				T.	1.19	.83	.50					.51	.50	6.53
Harrison Co. Airport[2]	West Fork	1.42											.52				T.	.45	.20				.35	.28	.54	.55					.06	.25	4.62
Hastings	Ohio	1.40											.91				.29	.70				T.		2.00		T.		.10		T.	.16	.27	5.83
Horner	West Fork	.22											.75				.70	.25					.45							.80	.10		3.27
Ireland	do	.30			.14							.27	.20				.05	2.20					.18	.30		.24				.48			4.36
Jane Lew	do	1.02			.02							.08	.30				.24	.11				.13		1.59	.04	.09				1.20	.05		4.87
Kumbrabow St. For.†	[2]Tygart			1.00	.10				T.			.29	.32				.10	.20				T.	.44	.46	.20					T	T.	T.	3.11
Lost Creek	West Fork	.70			.03							.04	.08				.04	.47			T.	.48	.20	1.49		.11			.08	.36	T.	T.	4.08
Mannington	Monongahela	1.27										.80	.35				.42	.80				.08	.04	1.09		.07				.01	.15	.07	5.15
Midvale[2]†	Tygart	.73			.28								.88				.19	.73	.22				.09	.98	.98	.49					.16	.09	5.82
Morgantown	Monongahela	1.40	.20								T.		.23					.30				.35	.20	.30	T.				.15	.15	T.	T.	3.28
Mt. Clare	West Fork	.79										.25	.17				.01	.90			.15	.02	.32	.55	.12		.01			.97	.08		4.34
New Cumberland	Ohio	.37								.01		.37	.88				.10	.06						.84			.02						2.65
New Martinsville	do																																
Parkersburg[1]‡	do	.05										.82	T.				.02	.11			T.		.08	.37	.18	.01		.07	T.	.21		T.	1.92
Parsons	Cheat	1.40		.47								T.	.15				1.65				.13		*	2.10	.78					.10	.47	.02	7.27
Philippi[2]	Tygart	1.30			T.					T.	.01		.18	.01			.02	.64	1.24			.35	.09	.73	.74	.39			T.		.50	.02	6.22
Pickens	do	.20		.94	.03							.80	.13				.27	1.05				.07	.50	.42	.20					.68	.19	.26	5.74
Roanoke	West Fork	.50		T.								.90	.49				.09	.77				.42	1.12	.93	.18	.22				.10	.12	.19	6.03
Rockford†	do	.74										.19	.11				.17	1.10			.11	.12	.16	1.92	.21					1.56	.36		6.75
Rowlesburg[2]	Cheat	1.75											.38	.02				.15	.41				.04	.16	.84	.33			.33		.07	.21	4.69
Saint Marys[2]	Ohio	.52											.15										.18	.16	1.16	.20				.01		.18	2.56
Salem	West Fork	.85										.17					.71	.04					.28	1.16	.07			.02		.29	.02	.02	3.63
Shinnston	do												*					2.00				.14	.65	.51	.10			.14			.15	.10	3.79
Terra Alta[2]†	Cheat											.75						.15				.35	.85	.35	1.10					.60	.20	.10	4.45
Thomas[2]	do	2.09			.79					T.	.02		.23	.03				.21	.05				.31	.66	.26	1.11					.30	.03	6.09
Valley Chapel	West Fork	.70			.34								.80				.11	.43	.03			.64	.18	.66	.05	.04				.09	.08	.05	4.20
Valley Head[2]	Tygart	.21	T.		1.53								.41	.05			.04	.62	.02				T.	.06	.31	.14							3.39
Vandalia†	West Fork	.23										.78	.30				.24	1.05				.86	.52	.49		.15				.44	.07		5.13
Wellsburg (near)	Ohio	.62								T.	T.		.75				.38	.10					T.	.35	.36	.20		.10	.28				3.14
West Milford	West Fork												*					1.01					.42	1.95					.20	.45	.20		4.23
Weston[2]	do	.54											.22	.06			.04	.78	.88				.11	.26	.51	.20			.12		.54	.57	4.83
Wheeling (Dam 12)[2]	Ohio	1.76											.34				.27	.08	.18					.06	.62	T.		.08	.20				3.59
Southern Division																																	
Arbovale[2]	Greenbrier			1.62								.65	.17				.01	.60				T.	.10	.17	.10				.65	.18		.86	5.11
Beckley	New	.41		.92	.12				.13			.40	1.30	.12			.20	1.52	.06		T.		.04	.04	.38	T.			.04	.94	.16	.67	7.45
Bluefield	New	.13	.46	1.20	.88				.13	.14		.36	.25	.20		.12	.04	.14					.01		.54				*	.92	1.25		6.77
Camden-on-Gauley[2]	Gauley			.64	1.03								1.34	.02			.04	.51	.01			.51			1.73	.32				.02	.07		6.24
Charleston[2]	Gr. Kanawha	.02			.09								.09				.23	.60						.72	.04	.17				.07	.76		2.79
Clay[2]	Elk	T.		T.	.28								.62	.02			.12	1.86	1.31			.02		.19	1.36	.68		T.	T.		.08	.13	6.67
Flat Top[2]	New	.19	.01	.02	1.45					.68	1.16	.01	.13	.82	.01		.01	1.08					.04	.03	.23	.08			.03	.06	1.07	.71	7.82
Gary[2]	Big Sandy		.64		2.00				.07	.10	.02		.29	1.54			.45	.27	.04					.28	.26	1.83				.22	.26	.01	8.28
Greenbottom[2]†	Ohio	.07							T.				.18				.15	1.66						.28	.30	T.					T.	.08	2.72
Hinton[2]	New	.27		.17	1.42					.31	.05		.15	.36			.02	.23	.02					.07	.26	T.				.07	.39	.20	3.99
Hogsett[2]	Ohio	.04											.03				.02	1.09							.42					.17	.13		1.90
Huntington	do	.25										T.	.23				.11	1.05					.10	.80	.43			.03	T.	.48	.18		3.66
Institute[2]	Gr. Kanawha	.23			T.					T.			.11	.01			.18	.66	T.					.17	.09	.09				.07	.05		1.66
Kanawha Falls[2]†	do	.15	.15	.10									.10	T.			.05	.25	T.					.25	.25				T.				1.30
Kayford[2]	do	.47			1.30								.99	.41			.22	.59						.03	.58				.70	.01	.90	.15	6.35
Lewisburg	Greenbrier	.23		1.33	.20					.22	.02	.01	.55	.03			.01	.57					T.	.04	.24	.01				.52	.87	.44	5.29
Logan[2]	Guyandot	.04	T.	.15	.51					T.		T.	.55	T.			.17	.47	T.			.01		.09	.12	.01			T.	.04	1.70	T.	3.86
London Locks[2]†	Gr. Kanawha	.20		.05	.50								.18				.17	.78	.47				.21	.53	.82	.68					.55		5.14
Madison[2]	Coal																																
Marlinton	Greenbrier	.11		1.60	.27							.18	1.47					.48					.05	.38	.16				.45				5.15
Point Pleasant[2]	Ohio	.03							T.				.28					.87							.77				.02	.21	1.21	T.	3.39
Princeton	New		.01	1.69					.13	.06	.39	.01	.53	T.		T.	.43	.15				T.	T.	.03	T			.68	.05	.73	.14	.17	5.20
Rainelle	Greenbrier	.42		1.25	.09	.01				.02		.05	.87	.05	.08		.07	.66					.18	.03	.44			.03	1.10	1.95	.17	.08	7.55
Ravenswood[2]	Ohio												.60					.87							.48	1.05			.74	.06	.38		4.18

Continued on next page.

Daily Precipitation for July 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood ²	Gauley	.20	....	....	1.30	....	....	....	....	....	....	....	.83	.35	....	....	.05	.40	....	....	....	....	.03	.02	3.44	.15	....	....	....	....	.15	.02	6.94
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	.60	....	....	....	.07	.20	....	....	....	....	.32	1.15	1.11	....	....	....	.02	.78	....	....	4.25
Seneca State Forest†	Greenbrier	.02	....	1.50	.13	....	....	....	....	....	....	.31	.86	.02	....	....	....	.88	....	....	....	.04	....	.17	.23	....	....	....	.06	....	.01	.30	4.53
Spencer ²	Litl. Kanawha	.06	....	....	....	....	....	....	....	....	....	T.	.31	.02	....	....	....	.25	....	....	....	.13	.11	....	.64	.69	....	....	....	.13	....	....	2.34
Sutton	Elk	.10	....	.18	....	....	....	....	....	....	....	....	1.45	....	....	....	.12	1.05	....	.20	....	.54	.24	.40	.68	.45	....	....	....	....	.30	.65	6.36
Thornwood ²	Greenbrier	.25	....	1.35	.14	.01	....	....	....	....	....	....	.28	.01	....	....	....	.03	.40	.06	....	....	.09	.41	.44	.02	....	....	....	....	.44	.20	4.13
Union	New	.30	....	.30	1.10	....	....	....	....	.08	....	....	.25	.58	....	....	....	1.05	...	....	....	....	....	.45	.08	....	....	....	....	....	.96	.53	5.68
Wayne ²	Twelvepole	.12	....	....	...	....	....	....	....	....	....	.06	....	....	....	....	.02	....	....	....	....	....	....	.20	.82	.15	....	....	....	....	.12	.64	2.13
White Sulp'r Spgs. ²	Greenbrier	....	.30	1.25	....	....	....	....	....	.25	.10	.45	.50	....	....	....	.50	....	....	....	....	....	....	.60	....	....	....	....	.20	.60	.50	.20	5.45
Williamson ²	Big Sandy	.04	.82	.18	.88	....	....	....	T.	.02	....	....	.01	....	....	....	.45	.34	....	....	....	....	....	T.	.01	.64	....	....	....	....	.06	....	3.45
Winfield Locks ²†	Gr. Kanawha	.09	....	....	....	....	....	....	....	....	....	....	.12	T.	....	....	....	.22	....	....	....	....	....	....	.20	.21	....	....	.02	.07	.05	....	.98

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore: Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for July 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard ³	Maximum	68	72	61	70	74	75	74	78	80	85	85	78	70	75	80	75	75	80	85	85	83	85	84	83	89	89	89	91	90	90	85	80.1
	Minimum	50	36	41	49	35	37	41	40	45	49	51	56	48	35	40	52	58	55	52	55	58	63	62	64	56	60	64	61	61	61	63	51.5
Beckley	Maximum	71	75	70	72	75	75	74	69	79	83	73	72	71	77	78	80	78	83	88	86	88	88	86	78	89	91	91	91	90	86	89	80.5
	Minimum	57	58	65	53	40	45	50	53	57	52	62	64	47	48	61	63	64	62	68	67	70	69	62	70	71	73	70	69	68	69	71	61.2
Bluefield	Maximum	76	70	68	72	73	72	72	70	77	80	80	79	72	78	78	77	78	82	84	84	87	88	86	80	87	90	90	90	90	88	89	80.2
	Minimum	50	49	58	55	48	51	58	58	62	58	61	66	57	56	56	62	61	62	64	65	66	63	66	69	66	65	66	67	65	66	66	60.7
Buckhannon	Maximum	70	75	69	72	75	78	78	78	81	84	85	72	72	76	80	75	77	82	85	86	87	87	87	85	85	90	90	91	91	89	86	81.2
	Minimum	59	48	52	55	47	49	62	51	64	58	60	61	51	47	52	63	63	59	63	62	66	69	69	68	63	68	71	69	70	67	66	60.4
Charleston ³	Maximum	80	83	68	79	80	83	82	80	83	91	80	77	86	80	85	85	78	87	94	94	94	96	94	92	94	97	97	97	98	96	93	87.2
	Minimum	58	58	54	54	55	57	57	65	65	65	60	62	61	60	56	56	55	66	67	68	70	71	72	69	69	72	72	71	70	71	68	63.7
Clarksburg ³	Maximum	76	79	74	77	79	85	82	85	88	90	89	69	74	83	83	81	79	90	92	93	89	92	87	91	92	94	95	96	95	94	87	85.8
	Minimum	53	47	51	49	47	49	52	53	51	58	61	66	53	46	53	61	62	60	61	62	66	69	69	69	65	68	70	67	69	66	65	59.3
Elkins	Maximum	68	74	62	70	74	79	76	79	80	85	85	69	72	78	79	74	75	82	86	87	87	88	84	84	88	91	90	92	91	91	85	80.8
	Minimum	51	45	51	51	44	48	50	48	61	56	59	57	52	46	53	63	61	58	60	60	67	67	67	63	60	66	71	67	69	66	64	58.1
Fairmont ³	Maximum	76	80	74	77	80	84	82	86	88	91	92	73	77	84	85	82	77	90	92	93	92	93	87	92	93	95	92	97	97	95	86	86.5
	Minimum	55	49	53	51	50	52	54	55	60	60	61	65	52	50	55	60	62	60	63	66	62	71	69	70	64	73	71	70	73	68	65	61.0
Flat Top	Maximum	64	66	59	65	69	66	63	64	71	75	74	65	64	67	72	71	70	72	79	78	78	78	78	77	78	80	82	80	82	78	80	72.4
	Minimum	52	53	55	52	51	51	55	55	56	60	64	64	53	51	55	62	58	59	60	64	67	68	67	66	63	67	69	67	66	64	62	59.9
Gary ³	Maximum	75	78	67	74	79	77	75	74	82	87	85	74	73	80	80	81	80	88	91	90	90	91	90	86	89	93	93	94	94	86	91	83.5
	Minimum	54	57	59	59	49	51	54	58	60	61	64	66	61	54	58	63	64	59	60	64	67	67	67	68	67	67	67	68	65	67	67	61.7
Glenville	Maximum	80	84	83	82	84	89	87	85	90	94	93	78	80	85	87	85	82	90	94	95	93	96	92	91	94	96	97	98	100	98	98	89.7
	Minimum	58	50	54	50	51	50	55	55	77	63	63	65	53	52	57	67	65	64	65	65	68	71	70	70	65	72	72	70	70	71	66	62.7
Grafton	Maximum	78	77	80	74	80	84	86	82	85	88	91	90	77	81	83	84	84	88	90	93	93	91	93	86	91	92	95	95	96	95	95	87.0
	Minimum	48	50	53	56	60	59	53	53	63	60	62	62	50	47	54	62	63	60	62	64	67	69	68	69	63	70	69	70	70	68	64	60.9
Huntington	Maximum	81	85	79	80	84	83	83	80	86	94	90	85	78	87	86	83	78	88	94	94	96	97	94	92	97	97	96	102	100	100	93	89.1
	Minimum	63	56	58	52	53	55	57	67	64	64	67	69	57	52	60	69	64	64	67	68	70	72	72	72	73	75	74	73	73	71	72	65.3
Lewisburg	Maximum	75	75	72	75	75	75	70	75	79	84	84	75	69	73	81	79	78	82	87	89	89	89	84	84	90	91	91	92	90	84	87	81.4
	Minimum	53	51	55	56	44	49	56	55	62	60	59	64	56	47	52	60	61	55	58	60	63	64	64	65	64	65	65	66	63	63	63	58.6
Logan ³	Maximum	76	82	67	80	81	82	80	77	89	91	90	78	78	83	85	85	80	90	94	94	93	92	94	92	96	99	98	98	97	96	95	87.5
	Minimum	58	62	60	55	52	54	57	62	65	61	67	70	62	55	62	66	65	65	65	67	68	69	71	71	72	73	72	71	69	69	70	64.7
Madison ³	Maximum	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	...		....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	71	74	71	72	76	78	77	78	82	84	84	70	71	77	79	77	75	82	85	86	85	88	85	86	86	89	88	90	90	91	84	81.0
	Minimum	55	48	50	48	46	49	52	55	58	57	62	60	50	45	51	59	61	60	62	63	65	68	67	68	64	69	70	68	70	67	65	59.1
Marlinton	Maximum	77	81	65	75	79	89	79	77	84	86	86	80	77	78	84	80	79	86	91	91	92	92	87	89	94	95	94	94	93	93	92	85.1
	Minimum	49	47	51	55	44	45	48	50	61	55	58	63	55	47	50	58	61	74	57	57	61	64	63	63	57	64	67	65	64	65	61	57.4
Martinsburg ³	Maximum	79	81	71	78	82	85	83	88	90	94	98	78	80	82	88	85	85	89	95	99	97	99	96	91	98	103	101	97	94	100	94	89.7
	Minimum	55	48	56	56	51	52	61	54	63	63	66	68	58	50	54	63	65	66	65	68	73	73	70	69	67	71	72	72	68	70	71	63.2
Morgantown	Maximum	70	80	84	83	82	84	83	82	85	88	88	78	80	85	84	79	78	88	90	90	92	90	92	90	94	94	95	93	94	93	90	86 4
	Minimum	49	40	49	51	48	46	50	48	60	61	58	59	60	55	60	49	50	60	62	63	65	71	70	65	68	67	68	70	68	65	66	58.8
New Martinsville	Maximum	....	....	....	....	....	....	....	....	. .	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Parkersburg	Maximum	76	79	75	75	80	83	80	78	88	91	90	70	75	81	85	79	79	89	93	93	94	94	90	94	91	96	95	97	96	97	88	86.3
	Minimum	57	52	56	52	50	56	58	61	61	64	67	61	52	52	61	67	61	63	66	66	71	75	72	70	67	75	75	73	69	70	70	63.6
Pickens	Maximum	60	73	63	60	65	69	61	76	75	82	80	70	68	74	77	72	75	82	82	84	84	86	78	79	84	86	86	89	88	86	85	76.7
	Minimum	53	42	47	43	45	48	41	45	55	54	54	63	47	43	50	55	63	53	55	55	60	63	62	64	55	61	66	61	61	61	59	54.3
Point Pleasant	Maximum	80	82	76	79	82	83	81	80	89	92	86	69	78	86	87	79	81	89	94	94	95	92	94	95	98	98	97	100	93	100	92	87.8
	Minimum	59	52	55	50	51	52	58	64	60	62	65	67	54	50	60	68	62	64	65	67	69	71	71	70	69	74	72	73	71	69	72	63.4
Rainelle	Maximum	71	76	69	70	73	72	71	70	78	82	81	79	73	73	78	77	75	79	87	85	85	83	81	84	88	89	90	89	87	86	88	79.6
	Minimum	48	48	49	54	42	44	47	54	60	54	58	62	54	45	50	57	60	55	56	57	61	61	60	65	57	62	62	62	61	63	60	55.7
Richwood ³	Maximum	76	82	80	83	79	82	86	89	87	93	89	85	78	84	88	81	83	85	89	94	93	93	94	89	92	94	95	93	96	94	95	87.8
	Minimum	45	56	52	48	51	49	55	58	56	59	60	48	46	49	52	58	56	59	54	56	58	52	56	59	56	69	65	67	65	60	60	55.9
Romney	Maximum	73	77	77	76	76	79	80	82	84	87	91	82	75	78	84	83	80	85	91	92	92	94	89	93	95	96	95	94	93	98	93	85.9
	Minimum	55	47	53	57	47	48	51	52	59	60	62	65	50	46	50	59	65	64	62	64	67	67	68	67	63	68	69	68	67	67	65	59.7
Spencer ³	Maximum	76	79	72	76	80	82	82	77	83	88	90	71	75	82	84	79	79	88	91	91	92	92	91	90	91	93	93	96	96	95	90	85.4
	Minimum	58	49	42	49	47	49	50	55	59	62	61	62	54	49	57	68	62	63	63	63	67	70	71	70	65	70	71	70	69	69	71	60.8
Sutton	Maximum	79	83	83	76	79	82	82	80	88	91	92	92	75	84	85	85	78	86	95	95	93	92	92	88	94	97	99	99	99	97	97	88.3
	Minimum	57	48	51	63	48	49	62	53	61	60	61	62	59	60	55	64	65	62	62	63	66	68	67	69	64	69	71	70	67	68	66	61.6
Wardensville ³	Maximum	72	76	61	75	76	78	77	81	82	89	90	77	73	76	84	82	79	84	90	91	92	94	91	91	95	97	96	97	92	98	94	84.8
	Minimum	55	45	51	55	52	46	50	49	58	58	60	65	57	47	49	57	64	62	59	60	65	65	66	65	60	64	67	66	67	64	64	58.5
Weston	Maximum	80	82	78	79	82	85	86	88	91	93	91	75	80	85	86	85	86	94	93	95	94	96	92	90	95	97	96	98	98	97	90	88.9
	Minimum	65	59	50	52	48	49	53	58	65	60	61	63	53	48	54	65	63	61	63	65	63	70	71	70	68	70	71	72	69	68	66	61.7
Wheeling ³	Maximum	71	78	75	76	82	83	82	83	86	89	89	69	76	81	89	81	79	88	92	94	94	95	93	93	93	94	95	96	95	95	89	86.3
	Minimum	56	52	56	50	50	53	57	61	61	65	66	59	48	52	55	63	60	62	65	67	72	72	71	68	67	73	73	71	74	72	71	62.6
Williamson ³	Maximum	78	81	67	81	83	79	77	77	90	92	91	79	79	87	85	84	79	90	95	91	92	91	93	91	95	96	96	99	99	95	95	87.3
	Minimum	60	63	61	55	54	55	58	64	65	67	68	70	63	57	63	66	66	65	66	69	71	72	72	71	73	74	74	74	70	71	72	66.1

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.191	.189	.193	.086	.203	.188	.083	.249	.204	.200	.204	.211	.084	.080	.290	.069	.134	.189	.193	.220	.106	.271	.091	.201	.176	.066	.171	.288	.184	.191	.201	5.406
	Wind movement	89	44	18	10	19	23	19	4	7	8	16	38	34	29	12	38	29	20	8	15	12	24	44	30	9	5	36	19	3	13	20	695
Wardensville	Evaporation	.264	.234	.196	.048	.141	.240	.212	.170	.222	.151	.231	.239	.135	.214	.209	.192	.153	.107	.188	.251	.259	.244	.260	.233	.198	.254	.290	.253	.196	.094	.234	6.312
	Wind movement	69	38	21	25	21	26	33	25	21	16	20	26	53	34	30	27	28	30	18	20	27	33	36	22	24	32	30	27	16	27	24	879

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 8-28-40—900)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., AUGUST 1940 No. 8

GENERAL SUMMARY

While the temperature was only slightly below normal, the month was the coolest August since 1930. Stations in the northern and a few in the southern division averaged slightly above normal, while elsewhere they were below normal with marked deficiencies in the northeastern panhandle division.

Precipitation was well above normal. The heaviest amounts occurred over the high-level sections of the southeastern counties, with secondary maxima over the northeastern border districts and the Ohio valley region between Wellsburg and Belleville, while the larger areas with precipitation below normal included the southwestern and the north-central counties. Good showers occurred at most stations on the 7th, 18th and 19th, and at southern stations on the 14th. A period of good rains started on the 26th and continued to the end of the month. Heavy rains on the 13-14th resulted in the New River and the Great Kanawha River above Charleston exceeding their flood stages by many feet. Considerable damage resulted: Tow boats and barges broke loose, collided and sank; buildings and crops were inundated or washed away; goods were destroyed or spoiled. The major part of the damage occurred between Hinton and Charleston.

Conditions during the first half of the month were somewhat unfavorable for crop growth in many localities because of insufficient moisture, but were favorable for harvesting. The last week was too wet for farm work.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 63 stations, was 71.4°, or 0.4° below the normal. The mean for the northeastern panhandle division was 69.4°; for the northern division, 71.9°; and for the southern division, 71.8°. The highest monthly mean was 77.2° at Huntington and the lowest, 63.4° at Bayard and Beckley (Fire Weather Station). The highest temperature was 98° at Inwood on the 6th and the lowest, 34° at Beckley (Fire Weather Station) on the 20th and 21st. The greatest daily range was 47° at Beckley (Fire Weather Station).

PRECIPITATION

The average monthly precipitation for the State, based on the records of 115 stations, was 4.83 inches, or 0.77 inch above the normal. In the northeastern panhandle division the average was 4.81 inches; in the northern division, 4.41 inches; and in the southern division, 5.47 inches. The greatest monthly precipitation was 11.34 inches at Rainelle and the least, 2.14 inches at Institute. The greatest amount in any 24 consecutive hours was 4.54 inches at Rainelle on the 14th. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	..	2	1	1	1	3	16	10	4	..	..	2	2	..	2	4	8	1	12	18	19	5	9	2	2	2	7	3	3	8
Gales	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	..	..	..	1	14	6	..	..	..	..	..	..	3	2	1	..	10	10	..	..	..	2	..	7	9	22	15	3	5	4
Frost, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.03	30.27	24	29.73	18	5.9	21	nw.	27	79	47	57	67
Columbus, Ohio	30.04	30.28	18	29.66	18	8.1	33	sw.	18	80	46	60	61
Elkins	30.06	30.30	11	29.71	19	5.1	19	w.	6	89	58	76	48
Parkersburg	30.04	30.26	24	29.66	18	5.2	25	s.	28	85	56	66	62
Pittsburgh, Pa	30.08	30.33	11	29.69	18	9.0	27	nw.	18	82	56	66	64
Wytheville, Va	30.07	30.31	3	29.78	19	5.2	17	w.	26	92	67	80	32

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	69.8	......	......	3.48	6.10	4.73	5.48	0.0	......	......	......	......
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	7	......	......	......
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	......	......	......	......
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	**6**
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
Period	71.8	112	30	3.80	4.14	4.15	4.06	.0	10	14	10	7

Climatological Data for August 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2, 375	39	63. 4	−2. 4	90	5	35	§20	42	5. 39	+1. 01	1. 33	0. 0	13	17	5	9	w.	Lewis T. Clark
Brandywine	Pendleton	1, 586	24	69. 0	−. 9	91	§5	43	21	36	5. 33	+1. 75	. 80	. 0	12	14	1	16	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	51								4. 32	+. 33	1. 30	. 0	13					Miss Eleanor White
Inwood	Berkeley	569	8	71. 0		98	6	49	21	36	7. 00		2. 12	. 0	15	12	7	12	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	70. 0		94	6	48	21	28	4. 22		1. 52	. 0	11	13	9	9	sw.	University Exper. Station
Martinsburg	Berkeley	435	48	71. 0	−2. 0	96	6	52	21	28	4. 86	+. 80	1. 22	. 0	11	17	8	6	se.	Dr. H. S. Gardner
McNeill	Hardy	800	44	68. 4	−2. 9	94	5	39	21	40	5. 19	+2. 20	1. 70	. 0	9	10	9	12	ue.	R. E. Saville
Piedmont	Mineral	1, 053	27	69. 1	−1. 4	92	6	46	21	30	5. 09	+1. 50	1. 35	. 0	13	2	16	13	s.	C. A. Suter, Jr.
Romney	Hampshire	824	42	70. 2	−2. 4	93	6	45	21	33	2. 79	−. 82	. 90	. 0	9	14	7	10		Miss Lucille Keister
Spruce Knob	Pendleton	4, 550	8								5. 75		. 94	. 0	16					Moses R. Bennett
Stony River Dam	Grant	3, 300	20								6. 06	+1. 48	1. 60	. 0	10	0	11	20	e.	A. C. Becker
Wardensville	Hardy	1, 200	19	67. 7	−1. 8	92	6	44	21	34	6. 31	+2. 68	1. 59	. 0	13	6	13	12	ne.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1, 060	16								3. 80	−. 68	1. 99	. 0	10	4	20	7		L. Esle Bond
Alma (near)	Tyler	800	13								6. 29	+ 76	1. 82	. 0	11	14	9	8		H. W. & T. J. Furbee
Alpena	Randolph	2, 571	9	65. 6		88	§18	40	21	37	5. 29		1. 90	. 0	12	12	12	7		Christian Hertig
Benson	Harrison	1, 080	16	72. 1	+1. 4	96	18	41	21	40	4. 40	−. 05	1. 70	. 0	10	9	20	2		R. D. Marts
Bens Run	Pleasauts	652	38	75. 2	+1. 6	95	18	51	22	32	7. 64	+3. 40	2. 20	. 0	12	20	6	5		Mrs. C. W. Rea
Brownsville	Lewis	1, 032	17	74. 0	+1. 8	95	18	48	21	36	2. 90	−1. 37	1. 62	. 0	9	17	12	2		M. D. Hawkins
Buckhannon	Upshur	1, 411	43	69. 5	−. 4	88	17	47	21	34	3. 44	−. 65	1. 47	. 0	10	16	13	2		H. A. Darnall
Cairo	Ritchie	680	39	73. 4	+. 9	93	§12	46	21	34	4. 20	+. 33	1. 15	. 0	10	15	14	2		Eureka Pipe Line Co.
Clarksburg	Harrison	1, 015	18	72. 0	. 0	93	§5	46	21	36	3. 76	−. 72	1. 08	. 0	12	16	7	8		Clarksburg Water Board
Crawford	Lewis	1, 107	17								4. 39	−. 19	1. 47	. 0	10	12	12	7	sw.	George W. Blair
Creston	Wirt	640	38	72. 2	−. 9	93	17	49	21	33	4. 25	+. 39	1. 40	. 0	11	18	8	5		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19								3. 95	−. 11	1. 06	. 0	12					Lockmaster
Dam 13 O. R	Marshall	655	24								6. 88	+3. 51	2. 47	. 0	12					Lockmaster
Dam 15 Mon. R	Marion	882	19								4. 85	+. 72	1. 67	. 0	11					Lockmaster
Dam 19 O. R	Wood	600	24								6. 12	+2. 46	1. 38	. 0	9					Lockmaster
Dam 20 O. R	Wood	600	24								6. 56	+2. 77	1. 51	. 0	11					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28								4. 75	+. 75	1. 70	. 0	9					Lockmaster
Elkins	Randolph	1, 927	39	69. 6	+. 5	88	18	46	21	29	4. 63	+. 77	1. 90	. 0	13	2	14	15	se.	U. S. Weather Bureau
Fairmont	Marion	883	34	72. 3	−. 4	94	5	49	21	33	5. 79	+1. 79	2. 30	. 0	10	10	10	11	e.	J. C. Robinson
Glenville	Gilmer	738	46	76. 2	+2. 3	96	19	50	21	35	2. 81	−1. 42	. 93	. 0	6	19	3	9	w.	Howard R. Brannon
Grafton	Taylor	1, 050	47	73. 2	+1. 8	94	19	45	21	36	4. 53	+. 82	1. 45	. 0	8	14	7	10		L. W. Clayton
Hastings	Wetzel	809	5								6. 06		1. 20	. 0	12	14	13	4	w.	L. G. McIntyre
Horner	Lewis	1, 044	17								3. 09	−1. 79	1. 50	. 0	7					Foster R. Hardman
Jane Lew	Lewis	1, 020	17								3. 75	−1. 10	1. 88	. 0	10					Mrs. U. I. Jenkins
Lost Creek	Harrison	1, 026	42	72. 1	+1. 4	93	19	43	21	39	3. 51	−. 72	1. 85	. 0	8	13	10	8	w.	Allen Smith
Mannington	Marion	974	37	69. 8	−. 4	87	§12	46	21	29	4. 44	+. 36	1. 57	. 0	11	15	9	7	sw.	James A. Morgan
Morgantown	Monongalia	1, 300	47	72. 9	+. 9	90	§1				3. 90	−. 11	1. 45	. 0	7	22	6	3		Bruce Davis
New Cumberland	Hancock	671	42	71. 6	+. 8	94	13	47	24	30	3. 33	−. 06	1. 15	. 0	10	11	1	19	se.	C. O. Valentine
New Martinsville	Wetzel	637	46	74. 4	+. 7	95	§5	49	21	33	5. 23	+1. 34	1. 86	. 0	10	18	10	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	53	74. 4	+. 5	93	18	51	21	30	5. 59	+2. 08	1. 41	. 0	10	9	13	9	se.	U. S. Weather Bureau
Parsons	Tucker	1, 649	40																	J. W. Swisher
Philippi	Barbour	1, 300	43								3. 14	−1. 10	. 80	. 0	11					Mrs. Maxine Leach
Pickens	Randolph	2, 760	37	66. 6	+. 1	84	§6	39	21	36	4. 50	−. 97	2. 08	. 0	11	19	5	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1, 050	17								2. 89	−1. 45	1. 65	. 0	10	19	4	8		Miss Mary A. Courad
Rowlesburg	Preston	1, 375	52								4. 85	+. 32	1. 53	. 0	11					W. H. Bolyard
Saint Marys	Pleasants	625	32								7. 68	+3. 59	2. 66	. 0	9					Edward Hughes
Terra Alta	Preston	2, 559	39	66. 4	−. 4	89	14	36	21	33	5. 65	+. 64	1. 90	. 0	8	9	13	9	e.	John Dee Williston
Thomas	Tucker	3, 000	11								5. 33	+. 24	2. 15	. 0	11					W. Sleeman
Valley Chapel	Lewis	1, 011	17	73. 5	+1. 0	94	§13	45	21	35	3. 61	−. 55	1. 63	. 0	10	7	18	6	w.	S. A. Spence
Vandalia	Lewis	1, 120	17								4. 17	− 03	1. 71	. 0	9					James B. Kelley
Wellsburg (near)	Brooke	668	33	70. 4	+. 1	95	18	45	§21	39	4. 99	+1. 43	1. 77	. 0	11	15	10	6		George P. Pfister
West Milford	Harrison	979	15								3. 24	−1. 38	1. 80	. 0	10					Scotland G. Highlaud
Weston	Lewis	1, 026	45	74. 5	+1. 8	95	§5	49	21	35	3. 36	−. 34	1. 08	. 0	9	3	25	3		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	73. 2	+. 4	93	§12	50	26	30	5. 44	+1. 89	1. 74	. 0	9	16	6	9	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2, 727	14								4. 37	+. 06	1. 38	. 0	11	7	16	8	w.	H. S. Sutton
Beckley	Raleigh	2, 440	37	67. 6	−1. 7	88	5				9. 09	+5. 25	2. 73	. 0	16	9	17	5		L. A. Mauck
Bluefield	Mercer	2, 558	45	69. 5	−1. 0	88	1	48	20	27	10. 51	+6. 90	2. 22	. 0	16	7	10	14		Norfolk & Western Ry.
Charleston	Kanawha	602	37	74. 8	−. 5	94	18	52	21	29	4. 34	−. 13	1. 13	. 0	10	13	0	18		Charleston Daily Mail
Clay	Clay	790	24								5. 89	+1. 40	1. 85	. 0	11					L. E. Woofter
Flat Top	Mercer	3, 260	2																	U. S. Airway Station
Gary	McDowell	1, 426	24	71. 7	−. 3	89	§5	50	24	31	6. 51	+2. 40	1. 52	. 0	15					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	74. 9		94	5	49	21	31	5. 26		1. 19	. 0	9	5	16	10	sw.	State Forest Nursery
Hinton	Summers	1, 431	43	73. 2	−. 1	94	5	54	23	32	5. 99	+1. 83	1. 98	. 0	15					Mrs. M. L. McClung
Hogsett	Mason	564	24								5. 00	+1. 84	1. 37	. 0	10					Lockmaster
Huntington	Cabell	571	43	77. 2	+2. 4	96	5	52	21	34	3. 10	−. 60	. 78	. 0	9	7	21	3	ne.	H. N. Robinson
Institute	Kanawha	606	2	76. 0		96	5	54	§20	34	2. 14		. 44	. 0	9					Civil Aeronautics Bureau
Kanawha Falls	Fayette	618	21								3. 79	−1. 10	. 95	. 0	8					Miss Loula M. Brown
Kayford	Kanawha	1, 335	24								4. 01	−. 82	1. 15	. 0	9					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2, 250	40	68. 8	−. 6	86	6	46	23	34	5. 34	+1. 39	2. 19	. 0	17	0	22	9		J. K. Monroe
Logan	Logan	700	37	76. 0	+1. 0	95	5	53	22	33	3. 09	−1. 40	1. 31	. 0	10	13	9	9		Paul A. Simonds
London Locks	Kanawha	623	4	74. 6		93	5	56	§21	32	4. 96		1. 16	. 0	11					Lockmaster
Madison	Boone	675	19																	C. B. Whitlock
Marlinton	Pocahontas	2, 125	40	70. 2	+4. 0	91	6	47	23	34	7. 98	+3. 30	2. 10	. 0	13	7	10	14		Edward A. Moore
Point Pleasant	Mason	595	41	75. 6	+. 9	97	17	51	21	32	6. 28	+3. 07	2. 19	. 0	10	15	12	4	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2, 424	10	67. 1		85	18	44	§22	33	11. 34		4. 54	. 0	15	14	1	16		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	75. 4	+2. 5	94	§5	47	21	36	4. 29	+. 94	1. 35	. 0	12	12	5	14	sw.	Lockmaster
Richwood	Nicholas	2, 193	10	68. 8		92	17	47	20	39	8. 83		1. 41	. 0	16	7	16	8	se.	Cherry River Paper Co.
Ryan	Roane	700	37	69. 8	−1. 9	88	18	44	21	36	4. 11	+. 03	2. 65	. 0	8	8	21	2		Wm. E. Ryan
Seneca State Forest	Pocahontas	2, 650	1	65. 8		87	28	40	21	37	6. 16		1. 82	. 0	13	3	16	12	ne.	Supt., State Forest
Spencer	Roane	789	36	73. 9	+1. 6	94	18	47	21	32	4. 05	+. 08	2. 11	. 0	10	2	25	4		A. M. McKown
Sutton	Braxton	850	34	74. 6	+1. 5	94	§5	51	21	34	3. 67	−. 58	2. 33	. 0	7					C. B. Eakle
Union	Monroe	2, 200	36	68. 6	−1. 6	88	28	44	23	38	5. 42	+1. 49	2. 22	. 0	14	5	10	16		C. B. King
Wayne	Wayne	598	13								2. 24	−2. 01	1. 29	. 0	9					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1, 914	30	71. 4	+1. 1	89	§1	47	23	34	7. 35	+3. 76	1. 90	. 0	15	11	13	7		White Sulphur Spgs., inc.
Williamson	Mingo	673	40	76. 0	+1. 2	96	5	57	21	31	4. 00	+. 01	1. 48	. 0	9	13	13	5	nw.	J. E. Dotson
Winfield Locks	Putnam	571	2	75. 3		94	5	51	21	31	4. 95		1. 27	. 0	10	11	7	13	se.	Lockmaster
State averages and	extremes			71. 4	−0. 4	98	6	34	§20	47	4. 83	+0. 77	4. 54	. 0	11	11	11	9	sw.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. |||| Incomplete.

Daily Precipitation for August 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.12						.38					T			.19	.63	.36	.02	.22							1.33	1.10	.93	.03	.03	.05	5.39
Brandywine	do						.62					T.	.05		.73	.72	.43	.15		.03						T.	.80	.50	.45		.15	.70	5.33
Brushy Run[2]	do	.02			T.								.08		.09	.02	.70	.41	.02	.07							.76	.16	.91	.07	T.	.02	3.33
Harpers Ferry[2]	do	.06						.38								.35	.17	.30	T.		.23				.08		1.30	.15	.70	.03	.06	.51	4.32
Inwood	do						.02	2.10				.01	.01		.50	.50	.25	.17		.10							1.63	.86	.23	.03	.05	.54	7.00
Kearneysville	do							.34							.10	.74	.10	.07		.18						.01	1.52	.56	.14	T.		.46	4.22
Knobly Mountain[2]†	do	T.							T.				.06			.35	.72	.23	.22								.50	.80	.92	.05	.06	.08	3.99
Martinsburg[2]	do							1.10					T.			.25	.25	.10	.05		.10						1.22	.80	.85		.02	.12	4.86
McNeill	do				T.		T.					T.	T.		T.	.37	.24	.26		.49				T.		.05	1.70	.95	.40	T.	T.	.73	5.19
Petersburg	do						.07									.20		.14									1.19	1.35	.44	.02		.13	3.54
Piedmont	do						T.	.10				.03			.10	.17	.40	.08		.40							.79	1.35	.49	.06	.06	1.06	5.09
Romney	do											.02			.05	.55	.15	.07									.65	.90	.35		.05		2.79
Spruce Knob[2]†	do	.79			T.			.23				.11	.17		.21	.49	.94	.30	.14	.20	.19						.75	.52	.27	T.	.40	.04	5.75
Stony River Dam[2]†	do	.05														.42	1.44	.46		.16							1.60	.82	.86	.15	.10		6.06
Wardensville[2]	do				T.			.83				T.	.10	T.		.12	.87	.50	.22	.25							1.59	.53	.64	.03	.01	.62	6.31
Northern Division																																	
Aberdeen†	West Fork						.48	.25							.08	T.	.10			.19				T.		T.	1.99	.08	.21		.07	.35	3.80
Alma (near)	Ohio						.93	.90									.17		.27	.48				.03			.82	1.82	.32		.45	.10	6.29
Alpena	Cheat						.11	.08							.18	.11	.14	.02		.67					T.	T.	1.90	1.20	.39		.23	.26	5.29
Belington[2]	Tygart							.27							.03	T.	.10	T.		.27	.01				T.	T.	1.07	.34	.86			1.14	4.09
Benson†	West Fork						.08	.25							.02		.08			.32							1.70	.78	.60		.12	.45	4.40
Bens Run	Ohio						.58	.69				.08	.08				.23			.27	.07						.91	2.09	2.20		.42	.02	7.64
Big Skin Creek†	West Fork						.35	.10				.15			.01		.05			.25			T.			T.	1.95	.40	.05		.05	.10	3.46
Brownsville†	do						.31	.17							.01		.09			.08							1.62	.08	.48		.06		2.90
Buckhannon	Tygart						.34	.09							.02		.05			.55							1.47	.50	.10		.06	.26	3.44
Cairo	Litl. Kanawha						.30	.51											.09	.50							1.15	.67	.53	.04	.39	.02	4.20
Clarksburg[2]	West Fork	.08						.53									.01	.06		.60	.02				.01		.68	.38	1.08		.01	.30	3.76
Crawford	do						.88	.21							.10		.02			.54				T.	T.	T.	1.47	.50	.33		.08	.26	4.39
Creston[2]	Litl. Kanawha	.47						.83							.05			T.		.35				.10			1.40	.20	.50	.10	.05	.20	4.25
Dailey[2]†	Tygart						T.	.31							.11	.04	.02	T.		.16	.03						1.54	.67	.54		.01	.28	3.71
Dam 10, Mon. R.[2]†	Monongahela	.20						.14							.02		.06	.01		.26					.10		.26	.65	1.06	1.00		.19	3.95
Dam 13, O. R.[2]†	Ohio	.03						.15							.36	.47		.03		1.08					.05		.69	1.07	2.47	.23		.25	6.88
Dam 15, Mon. R.[2]†	Monongahela	.57						.16									.14	.22		.50					.02		.35	.66	1.67	.40		.16	4.85
Dam 19, O. R.[2]†	Ohio	T.						1.38							.02	T.				.81	T.			T.			1.22	.56	.94	.06	.44	.69	6.12
Dam 20, O. R.[2]†	do	.26						.88					.11		1.05					.65							1.51	.50	.30	.10	.48	.72	6.56
Elizabeth (Dam 3)[2]	Litl. Kanawha	.05						1.24							T.	T.				.54	T.				T.		1.70	.20	.53	.02	.04	.43	4.75
Elk†	West Fork							.37							.29				.11	.19							1.68	.45	.27		.11	.24	3.71
Elkins[1]‡	Tygart						.66	.06						T.	.05	T.	.01		.10	.17				T.	.02	.10	1.80	.86	.47		.02	.31	4.63
Fairmont[2]	Monongahela	.15						.18									.21	.03		.47				T.		T.	.65	.84	2.30	.75		.21	5.79
Glenville[2]	Litl. Kanawha	T.						.40										T.		.27	T.						.93	.32	.67		T.	.22	2.81
Grafton	Tygart	.25						.52									.11			.77								1.45	1.25		.03	.15	4.53
Hackers Creek†	West Fork																																
Hall[2]	Tygart						T.	.42							.01		.01	T.		.22	.15				T.		1.32	.63	.32		T.	.64	3.72
Harrison Co. Airport[2]	West Fork	.12						.32												.58							.97	.31	.97			.10	3.37
Hastings	Ohio						.47	.76								.50	.06			.29				.03		T.	.28	1.10	1.08	1.20	.24	.05	6.06
Horner	West Fork														.50				.35								1.50	.25	.10		.19	.20	3.09
Ireland	do						.42								.21	.30											1.42	.63			.06	.26	3.30
Jane Lew	do						.22	.24							.04	.14				.13							1.88	.31	.58		.02	.19	3.75
Kumbrabow St. For.†[2]	Tygart					T.	.14						T.		.83	.21	T.			.12		T.	T.	T.	T.		1.02	1.05	.20		.15	.83	4.55
Lost Creek	West Fork						.22	.04							T.	T.	T.			.53				T.		T.	1.85	.40	.09		.05	.33	3.51
Mannington	Monongahela						.29	.27									.20			.46				.05	T.		.63	1.57	.28	.05	.17	.47	4.44
Midvale[2]†	Tygart							.59							.08		.05			.55							1.01	.49	.81			1.46	5.04
Morgantown	Monongahela							.05								T				T.						T.	1.45	.70	.43	.15	.77	.35	3.90
Mt. Clare	West Fork						.16								.03	.02				.28							1.55	.37	.17		.05	.20	2.83
New Cumberland	Ohio														.10		.08		.38	.70				.06		.20	.17	1.15			.43	.06	3.33
New Martinsville	do						.90	1.17									.10			.36				.04			.07	1.86	.17		.50	.06	5.23
Parkersburg[1]‡	do						1.06	.01				T.		.03	T.				.51	.01				T.		.04	1.37	.75	1.02	T.	.79	T.	5.59
Parsons	Cheat																																
Philippi[2]	Tygart	.01						.22							.03		.02	.01		.25	.02				T.		.72	.36	.70		T.	.80	3.14
Pickens	do						.33	.03							.53	.03	.02			.42							2.08	.41	.07		.18	.40	4.50
Roanoke	West Fork						.11	.14				.10			.03					.28					T.	T.	1.65	.34	.13		.08	.03	2.89
Rockford†	do						.30								.20	T.	.05			.29				T.			1.90	.64	.20		.10	.43	4.11
Rowlesburg[2]	Cheat	.12						.36								.02	.02	.04		.58	.02						1.06	.95	1.53			.15	4.85
Saint Marys[2]	Ohio	.58						1.20												.48					T.		.71	.33	2.66	1.22	.06	.44	7.68
Salem	West Fork						.45	.15					.10				.08		.20	1.05							.98	.48	.10		.22	.29	4.10
Shinnston	do						.22	T.											.14	T.							.76	1.62	.40			.20	3.34
Terra Alta[2]†	Cheat						.10									T.			.10					T.		1.90	.90	1.70		.05	.10	.80	5.65
Thomas[2]	do	.12						.41								.08	.36	.11		.27	.08						1.65	1.15	1.00			.10	5.33
Valley Chapel	West Fork						.20	.31							.02		.05			.35					T.		1.63	.53	.31		.11	.10	3.61
Valley Head[2]	Tygart	.34						.32							.26	.71	.05	.03		.08	.02						1.05	.56	.65			.23	4.30
Vandalia†	West Fork						.87					.20			.05					.58							1.71	.41	.09		.10	.16	4.17
Wellsburg (near)	Ohio						T.	.06							.09		.10		.08	1.30				T.		.12	.93	1.77	.07		.37	.10	4.99
West Milford	West Fork					.05		.15								.04	.05			.35							1.50	.30	.50	.10		.20	3.24
Weston[2]	do							.78					.19		T.		T.	.06		.22	.04						1.08	.58	.25			.16	3.36
Wheeling (Dam 12)[2]	Ohio							T.							.43	.04				1.58				T.	.06		.71	.58	1.74	.07		.23	5.44
Southern Division																																	
Arbovale[2]	Greenbrier				.06		.28						.07		1.38	.24	T.	T.		.10			T.			T.	1.30	.16	.45	T.	.02	.31	4.37
Beckley	New	.12					.82	.13				T.	T.	.27	2.73	.41	.12	.72		.96		T.	.06			.20	.56	.14	T.	.04	.32	1.49	9.09
Bluefield	New	2.22					.26	.01					.16	.27	1.62	.59	.38	.34		.79		.02	.02				.89		1.30		.42	1.22	10.51
Camden-on-Gauley[2]	Gauley	.03								.01					1.10	.62	.06			.52	.06						1.57	1.05	.90	.02		.32	6.26
Charleston[2]	Gr. Kanawha							.67							1.09	.17	T.			.23	.11						.37	.08	1.13	T	.44	.05	4.34
Clay[2]	Elk	T.						.90							.61	.37	T.	T.		.28	.02						1.85	1.26	.38	.02	.06	.14	5.89
Flat Top[2]	New	.43					.07	.05	.04			.01	.04		1.02	3.02	.29														.45	.48	||||
Gary[2]	Big Sandy	.76						.34							1.52	.54	.09	.13	.03	.48	.01		.20				.64	.15		.08	.44	1.10	6.51
Greenbottom[2]†	Ohio	T.						.32							.69	.15				.15							.56	T.	1.19	.44	.78	.98	5.26
Hinton[2]	New	1.09						.05				.01	.03		1.98	.89	.05	.10	.02	.15							.20	.16		.48	.11	.67	5.99
Hogsett[2]	Ohio							.88							.65	.10				.05						T.	1.02	.14	.23	.05	1.37	.51	5.00
Huntington	do						.74	.01						T	.47					.17							.06	.45	.78	.03	.39		3.10
Institute[2]	Gr. Kanawha							.42							.44	.07				.28	T.					T.	.17	.06	.05		.26	.39	2.14
Kanawha Falls[2]†	do							.40							.95	.45	T.			.80							.20	.80	.10		.09		3.79
Kayford[2]	do	.05					T.	.71							1.03	.55				1.15								.25		.03	.09	.15	4.01
Lewisburg	Greenbrier	.10					.31	.03				.07		.05	2.19	.13	.15	.32	.09	.22	T.					.54	.72	.01	.02		.32	.07	5.34
Logan[2]	Guyandot	T.					.12	.22					.01		1.31	.05	.15			.41							.37	T.		T.	.40	.05	3.09
London Locks[2]†	Gr. Kanawha							.98							.66	.23	T.			.78	.06						.11	1.16	.62	.11	.16	.09	4.96
Madison[2]	Coal																																
Marlinton	Greenbrier						.05	1.10				.07			2.10	.44	.10		.12	.05							1.15	.17	.93		.15	1.55	7.98
Point Pleasant[2]	Ohio							.22					.02		.31	T.				.25						T.	2.19	.04	.32	.21	1.95	.77	6.28
Princeton[2]	New					T.		.08	T.			T.	T.		1.56	.91	.32	.13	T.	.36	.01	T.	.01	T.			.63	.12	1.11	.09	.66	.35	6.34
Rainelle	Greenbrier	1.29	T.				.36	.13						T.	4.54	.74	.17	.01	.01	.41	T.					.04	1.30	.49	.22		.76	.87	11.34
Ravenswood[2]	Ohio	.20						.15					.02		.04	.03				.65							1.35	.25	.23	.32	.30	.75	4.29

Continued on next page.

Daily Precipitation for August 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	....	....	....	....	....	.06	1.03	.03	....	....	....	.05	....	1.08	1.31	.10	.03	....	.40	.06	....	....	....	....	....	1.31	1.13	1.18	.03	.02	1.01	8.83
Ryan	Gr. Kanawha	....	....	....	....	....	.43	....	....	....	....	....	....	....	.42	....	....	.10	....	.07	....	....	....	....	....	T.	2.65	.05	.10	....	.29	....	4.11
Seneca State Forest†	Greenbrier	.14	....	....	....	....	.02	.94	....	....	....	.01	....	....	1.82	.17	.10	....	....	.04	....	....	....	....	....	....	1.09	.38	.55	....	.05	.85	6.16
Spencer [2]	Litl. Kanawha	....	....	....	....	....	.13	....	....	....	....	....	....	....	.08	....	....	.01	....	.41	.05	....	....	....	....	....	2.11	.41	.48	....	.18	.19	4.05
Sutton	Elk	....	....	....	....	....	....	.15	....	....	....	....	....	....	.75	....	....	....	....	.20	....	....	....	....	....	....	2.33	....	.06	....	.10	.08	3.67
Thornwood [2]	Greenbrier	.20	....	....	.04	....	.04	.09	....	....	....	....	....	....	.89	.43	.23	.04	....	.20	....	....	....	....	....	....	.88	.42	1.27	....	.01	.53	5.27
Union	New	.20	....	....	....	....	....	.15	....	....	....	....	.15	....	*	3.00	.31	.15	.03	.15	....	....	....	....	....	....	.62	.16	.03	.02	....	.45	5.42
Wayne [2]	Twelvepole	....	....	....	....	....	.23	....	....	....	....	....	....	....	1.29	.04	....	....	....	.14	....	....	....	....	....	....	.04	....	.06	.07	.35	.02	2.24
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	....	....	.55	.05	....	....	....	.05	.40	.05	1.90	1.15	.50	.45	.05	.30	....	....	....	....	....	....	.50	1.00	....	....	.05	.35	7.35
Williamson [2]	Big Sandy	.15	....	....	....	....	....	.62	....	....	....	....	....	....	1.48	.17	.10	....	....	.34	....	....	....	....	....	....	T.	T.	....	.02	.91	.21	4 00
Winfield Locks [2]†	Gr. Kanawha	....	....	....	....	....	....	.82	....	....	....	....	....	....	.55	.27	....	....	....	.21	T.	....	....	....	....	....	1.10	.17	.60	.43	.39	.41	4.95

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.
T. Trace, or less than .01 inch. ||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for August 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	80	77	77	81	90	84	80	82	83	81	75	81	85	77	67	67	75	88	73	50	75	73	72	71	65	70	67	85	73	72	71	75.7
	Minimum	52	43	46	45	48	51	62	50	50	45	54	61	52	54	58	58	60	59	61	35	35	41	42	45	47	50	55	55	58	58	57	51.2
Beckley	Maximum	81	79	75	81	88	84	80	85	81	80	81	79	75	67	71	76	82	86	78	70	71	75	75	78	81	82	84	85	77	79	76	78.8
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	88	82	74	80	84	80	79	82	79	75	78	78	75	68	68	72	79	84	75	70	66	75	78	78	81	81	84	83	75	76	73	77.4
	Minimum	61	60	60	62	62	68	63	62	65	61	65	65	68	63	62	58	67	62	62	48	52	66	52	53	59	60	64	64	67	64	65	61.6
Buckhannon	Maximum	78	81	80	83	86	86	80	84	85	84	86	87	87	79	77	78	88	78	76	73	73	76	77	74	75	75	83	85	85	79	78	80.5
	Minimum	61	57	54	54	59	65	67	50	61	56	63	64	60	67	60	60	60	55	58	50	47	51	50	56	56	56	61	65	61	67	64	58.5
Charleston [3]	Maximum	86	87	86	90	92	92	85	87	90	90	91	89	86	83	87	90	90	94	80	77	79	83	86	85	83	88	92	82	83	82	83	86.4
	Minimum	61	61	63	63	68	69	65	65	62	65	65	65	68	68	68	66	67	67	57	55	52	57	58	56	59	59	68	68	68	68	62	63.3
Clarksburg [3]	Maximum	79	85	85	89	95	92	86	91	89	88	90	91	93	84	80	80	89	87	77	71	76	80	76	76	88	78	87	91	89	79	79	84.5
	Minimum	58	49	55	54	59	63	63	59	62	55	60	64	61	68	67	65	65	61	66	49	46	49	52	52	56	58	65	64	63	66	67	59.4
Elkins	Maximum	78	78	79	81	87	85	80	86	83	82	81	81	85	76	76	77	85	88	73	67	74	76	76	72	74	76	83	88	82	76	76	79.5
	Minimum	59	54	58	55	58	65	64	58	59	54	69	68	62	66	67	64	66	61	55	51	46	53	48	54	54	65	65	63	62	65	64	59.7
Fairmont [3]	Maximum	82	82	84	90	94	88	85	90	88	85	88	89	90	82	79	80	87	93	81	75	77	82	73	76	72	76	84	91	86	77	77	83.3
	Minimum	59	60	56	57	62	67	66	60	62	58	66	65	64	69	68	65	65	64	66	52	49	51	55	52	55	58	66	65	63	68	66	61.3
Flat Top	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Gary [3]	Maximum	85	82	80	84	89	85	85	88	85	82	85	84	76	70	74	75	85	87	74	73	74	78	81	81	82	86	89	87	84	81	80	81.6
	Minimum	67	59	55	56	62	67	63	63	61	56	63	69	67	68	65	66	69	65	66	53	54	56	53	50	55	62	63	64	64	64	67	61.8
Glenville	Maximum	88	91	89	92	93	93	88	93	93	92	95	95	94	87	85	90	95	95	96	82	83	85	85	84	81	85	90	93	92	90	85	89.7
	Minimum	63	58	58	57	62	68	69	62	68	66	61	64	64	69	63	66	65	66	67	53	50	54	54	58	57	68	67	67	65	69	68	62.8
Grafton	Maximum	87	84	86	87	90	93	90	88	92	92	91	92	93	91	85	81	87	92	94	81	75	79	83	78	77	76	86	86	92	90	80	86.4
	Minimum	59	58	55	55	61	65	68	59	61	56	62	65	63	61	65	65	65	63	66	51	45	51	53	52	55	60	61	65	63	65	65	59.9
Huntington	Maximum	89	90	90	94	96	93	87	90	92	90	93	95	88	82	87	86	93	95	87	79	83	87	89	82	90	95	91	93	87	86	88	89.2
	Minimum	67	60	63	64	67	71	69	61	67	63	68	70	69	70	68	69	70	70	67	56	52	53	57	60	60	70	71	69	68	69	67	65.3
Lewisburg	Maximum	80	76	72	78	84	86	82	80	78	77	80	79	74	70	70	72	82	85	77	73	73	77	80	78	77	80	85	85	76	74	78	78.0
	Minimum	62	56	57	59	60	65	61	60	60	56	65	66	65	62	62	63	65	64	62	48	50	52	46	50	55	60	60	64	65	64	61	59.5
Logan [3]	Maximum	89	89	88	91	95	89	88	91	90	87	91	92	89	79	83	85	92	93	82	83	82	86	88	81	86	91	94	90	89	88	87	88.0
	Minimum	69	60	60	59	65	69	69	65	63	60	66	66	69	65	60	64	72	71	65	59	56	53	56	59	61	66	67	70	69	68	70	63.9
Madison [3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	78	80	79	83	85	85	79	83	84	83	86	87	86	83	81	78	85	87	83	70	72	76	71	71	70	74	80	84	85	80	76	80.1
	Minimum	57	54	54	54	59	63	64	58	60	57	62	62	61	67	64	65	65	63	63	50	46	48	53	50	54	61	67	64	62	66	66	59.4
Marlinton	Maximum	86	80	87	80	88	91	84	86	84	86	84	82	85	76	74	78	88	87	81	75	76	79	81	74	65	82	87	87	82	76	80	81.6
	Minimum	62	51	55	53	58	67	61	58	50	54	65	65	61	63	63	63	65	62	64	48	49	56	47	50	55	62	63	61	61	63	65	58.7
Martinsburg [3]	Maximum	84	82	81	86	91	96	88	88	88	86	81	87	91	84	77	73	81	87	83	80	79	84	79	73	60	66	63	70	66	76	80	80.3
	Minimum	64	58	60	61	63	68	70	64	62	61	61	68	66	69	69	65	66	68	71	58	52	58	55	54	55	53	54	55	60	60	65	61.7
Morgantown	Maximum	90	89	88	87	90	88	89	90	89	90	88	90	88	90	90	89	90	85	87	86	82	84	80	82	75	80	82	90	88	88	82	86.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Martinsville	Maximum	80	87	80	87	95	90	86	91	90	91	95	94	91	91	90	85	93	93	84	75	77	83	76	75	75	79	85	91	90	90	84	86.2
	Minimum	58	58	66	68	76	67	60	58	67	60	63	65	65	71	70	66	67	68	67	55	49	52	51	50	55	62	67	65	65	68	65	62.7
Parkersburg	Maximum	81	86	84	89	93	88	83	88	89	86	90	91	90	87	83	82	90	93	77	72	76	81	77	73	79	82	88	90	88	80	82	84.5
	Minimum	62	61	63	63	69	69	64	63	67	64	68	69	69	70	69	68	69	69	62	57	51	51	56	56	59	68	68	68	67	67	67	64.3
Pickens	Maximum	75	78	76	80	80	84	78	81	82	81	82	84	74	75	79	71	82	84	74	67	75	69	75	69	74	72	78	83	82	84	73	77.5
	Minimum	65	52	52	52	58	61	57	55	53	53	57	60	60	56	60	61	57	57	55	53	39	45	53	53	45	59	60	59	62	61	58	55.7
Point Pleasant	Maximum	85	89	88	92	95	90	85	92	93	88	94	93	90	81	86	88	97	96	80	76	79	85	81	78	85	86	84	90	88	85	85	87.2
	Minimum	62	68	60	63	66	73	64	61	66	63	65	66	65	69	66	67	69	70	65	55	51	53	55	56	60	68	69	68	68	67	66	64.0
Rainelle	Maximum	78	76	69	75	81	80	76	79	77	77	80	80	74	71	71	73	84	85	77	69	67	75	77	75	77	76	82	78	72	71	76	76.1
	Minimum	60	55	54	58	56	61	60	57	59	55	66	65	66	63	61	63	62	62	60	46	46	44	44	47	55	57	60	60	65	64	69	58.1
Richwood [3]	Maximum	84	86	85	88	90	85	87	89	82	84	86	85	88	76	78	79	92	84	77	74	76	78	80	76	78	76	81	74	76	78	80	81.7
	Minimum	56	51	52	49	65	62	60	58	56	59	61	68	65	62	64	64	65	55	52	47	50	48	50	52	59	49	53	48	52	49	55	56.0
Romney	Maximum	85	81	80	85	92	93	87	87	88	84	82	86	90	86	73	69	80	85	79	79	74	82	80	73	69	75	72	71	69	78	79	80.4
	Minimum	59	54	57	57	59	67	71	58	56	55	60	69	62	67	63	63	69	70	69	52	45	55	51	53	55	52	57	60	61	64	66	59.9
Spencer [3]	Maximum	81	85	88	91	91	83	82	84	87	88	89	90	90	90	88	81	92	94	79	75	79	81	87	77	83	83	88	90	88	81	83	85.4
	Minimum	62	58	57	63	68	68	69	68	58	60	62	61	64	64	68	65	67	65	66	51	47	50	57	57	58	64	67	68	67	68	67	62.4
Sutton	Maximum	90	85	85	88	94	94	90	91	91	89	93	93	93	93	82	85	91	93	93	83	80	84	84	79	84	84	88	92	92	90	88	88.4
	Minimum	64	58	56	57	60	56	61	59	60	57	60	63	63	68	64	64	66	61	66	54	51	55	63	58	58	62	64	66	64	65	62	60.8
Wardensville [3]	Maximum	83	80	75	84	90	92	84	83	84	82	75	83	87	81	72	71	76	85	79	72	74	80	80	69	59	77	66	69	66	77	77	77.8
	Minimum	60	53	56	54	56	62	60	59	55	54	58	57	61	65	67	62	65	69	69	52	44	52	49	52	53	52	55	51	60	60	65	57.6
Weston	Maximum	84	89	89	90	95	93	88	90	90	90	93	95	93	86	82	86	94	95	88	77	80	83	82	80	81	81	90	93	90	86	86	87.7
	Minimum	65	59	54	55	60	68	68	62	64	56	60	65	62	69	65	66	65	63	65	57	49	51	53	55	56	65	65	66	63	68	60	61.3
Wheeling [3]	Maximum	83	85	85	89	92	89	85	91	91	89	91	93	93	88	86	83	90	93	77	73	77	81	84	72	71	77	76	89	89	74	83	84.5
	Minimum	59	58	62	63	62	72	63	61	64	61	64	66	66	71	65	67	67	67	67	55	54	52	56	51	52	50	63	65	66	68	66	62.0
Williamson [3]	Maximum	90	90	90	91	96	92	87	80	82	88	90	89	82	74	81	83	89	92	82	80	80	85	86	83	89	90	93	91	87	89	87	86.7
	Minimum	70	62	61	60	65	69	69	65	66	60	65	65	67	70	68	69	72	73	69	59	57	58	58	59	62	66	68	70	68	69	69	65.4

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.100	.118	.235	.081	.309	.372	.166	.146	.174	.196	.189	.209	.145	.264	.047	.111	.177	.197	.181	.103	.098	.232	.090	.099	.263	.094	.012	.150	.130	.202	.006	4.896
	Wind movement	18	33	31	17	22	20	36	5	10	17	42	37	22	8	34	61	34	27	35	68	10	11	36	23	17	20	11	12	8	26	8	759
Wardensville	Evaporation	.248	.317	.248	.165	.198	.253	.341	.197	.207	.206	.074	.207	.144	.236	.084	.006	.050	.062	.161	.198	.180	.130	.145	.094	.094	.122	.062	.070	.086	.030	.073	4.688
	Wind movement	31	49	48	32	42	52	44	38	23	23	39	63	27	47	56	117	112	37	22	41	33	18	18	22	31	35	53	32	60	42	15	1,302

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 10-9-40—900)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., SEPTEMBER 1940 No. 9

GENERAL SUMMARY

The month was the fourth coolest September of record, with all stations reporting mean temperatures below normal. The deficiencies ranged from 0.1° at Point Pleasant to 6.7° at Bayard, with only one station reporting less than one degree and eight stations reporting five degrees or more. The minimum temperature of 21° at Thornwood (Fire Weather Station) on the 12th and at McNeill on the 27th was the lowest of record for the State for September. Light to heavy frosts on the 26-27th were rather general over the State, while killing frosts were confined mostly to the high-level stations in the northeastern and eastern counties on the 26-27th, and a few stations on the 11-12th.

The average precipitation for the State was slightly below normal, the areas of greatest deficiencies being in the southeastern and east-central counties. Also below normal were the northern panhandle and the northwestern counties. The precipitation in the northeastern panhandle and the central portion of the State was considerably above normal. Most of the rain fell during the two periods (8-10th and 24-25th) when many thunderstorms occurred.

The weather was mostly favorable for farm activities. Corn harvesting was well under way at the close of the month. Dry soil in some localities held back germination and growth of fall-seeded crops.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 62.2°, or 4.2° below the normal. The mean for the northeastern panhandle division was 61.3°; for the northern division, 62.2°; and for the southern division, 62.5°. The highest monthly mean was 67.8° at Huntington and the lowest, 54.2° at Bayard. The highest temperature was 98° at Glenville on the 20th, and the lowest, 21° at Thornwood (Fire Weather Station) on the 12th and McNeill on the 27th. The greatest daily range was 51° at Thornwood (Fire Weather Station) on the 7th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 120 stations, was 2.88 inches, or 0.02 inch below the normal. In the northeastern panhandle division the average was 3.15 inches; in the northern division, 3.31 inches; and in the southern division, 2.18 inches. The greatest monthly precipitation was 5.63 inches at Belington and the least, 0.50 inch at White Sulphur Springs. The greatest amount in any 24 consecutive hours was 4.14 inches at Midvale on the 24-25th. The average number of days with .01 inch or more of precipitation was 5.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	8	11	28	30	35	35	29	5	12	1	9	17	27	23	12	30	35	34	32	19	17	16	30	3	4	16	33	30	31	12	..
Frost, killing	..	..	..	..	..	..	..	..	..	..	1	3	2	..	..	..	..	..	..	..	..	..	..	..	1	21	7	..	..	..	..
Gales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	1	..	..	..	..	14	7	6	..	..	..	..	..	..	..	..	..	..	2	7	..	10	8	1	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.11	30.41	8	29.61	9	5.3	22	n.	25	86	40	52	73
Columbus, Ohio	30.09	30.39	26	29.59	10	6.7	25	sw.	14	87	46	62	61
Elkins	30.12	30.42	29	29.58	10	4.1	17	nw.	25	98	53	81	58
Parkersburg	30.09	30.37	26	29.58	10	4.5	18	nw.	25	92	48	68	64
Pittsburgh, Pa	30.09	30.37	30	29.53	10	7.9	34	sw.	24	88	49	61	58
Wytheville, Va	30.10	30.33	29	29.62	25	4.5	24	w.	10	88	48	68	79

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8	.....	.....	0.38	2.20	0.84	1.66	0.0	.....	.....	.....	.....
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	.....	.....	.....
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	.....	.....	.....
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	**97**	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	**21**	3.15	3.31	2.18	2.88	.0	5	17	8	5
Period	66.4	107	21	2.79	3.06	2.73	2.90	T.	7	15	8	7

Climatological Data for September 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	54.2	−6.7	82	§20	23	§27	44	5.22	+1.91	2.35	0.0	8	22	4	4	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	59.8	−4.9	89	21	26	28	46	1.10	−1.28	1.00	.0	2	25	2	3	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51								5.48	+2.82	1.92	.0	6					Miss Eleanor White
Inwood	Berkeley	569	8	64.8		95	22	31	27	38	2.44		1.95	.0	5	22	5	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	63.2		91	21	33	27	38	3.71		3.15	.0	7	19	10	1	n.	University Exper. Station
Martinsburg	Berkeley	435	48	64.6	−2.3	94	21	35	§27	38	3.90	+.98	1.65	.0	6	26	4	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	44	60.4	−5.4	93	20	21	27	49	2.37	+.09	1.62	.0	6	17	10	3	w.	R. E. Saville
Piedmont	Mineral	1,053	27	61.6	−4.1	88	§20	32	27	35	3.33	+.92	1.93	.0	6	14	13	3	w.	C. A. Suter, Jr.
Romney	Hampshire	824	42	62.6	−4.2	89	§20	32	26	37	2.80	+.12	2.19	.0	5	20	7	3		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8								3.18		1.72	.0	6					Moses R. Bennett
Stony River Dam	Grant	3,300	20								3.77	+.99	2.00	.0	6	9	14	7	w.	A. C. Becker
Wardensville	Hardy	1,200	19	60.4	−3.8	90	20	30	§27	40	3.04	+.45	1.78	.0	6	12	15	3	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16								4.74	+1.43	3.46	.0	5	12	11	7		L. Esle Bond
Alma (near)	Tyler	800	13								2.55	−.42	1.90	.0	4	19	5	6		H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	55.8		82	21	23	27	45	3.58		2.48	.0	5	13	14	3		Christian Hertig
Benson	Harrison	1,080	16	61.9	−5.0	91	21	29	§26	48	3.12	−.51	2.50	.0	5	17	10	3		R. D. Marts
Bens Run	Pleasants	652	38	65.6	−2.8	90	21	38	26	29	1.65	−.94	1.01	.0	3	18	10	2		Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	63.0	−4.6	90	21	31	28	44	4.12	+.37	3.31	.0	6	16	9	5		M. D. Hawkins
Buckhannon	Upshur	1,411	43	60.1	−4.4	88	21	33	§26	38	4.50	+1.54	3.20	.0	4	22	6	2		H. A. Darnall
Cairo	Ritchie	680	39	64.0	−4.1	95	21	33	§26	42	2.40	−.40	2.20	.0	3	21	8	1		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	61.7	−5.8	90	20	32	26	40	3.28	−.32	2.33	.0	8					Clarksburg Water Board
Crawford	Lewis	1,107	17								4.08	+.34	3.81	.0	3	21	6	3	sw.	George W. Blair
Creston	Wirt	640	38	64.4	−3.4	93	§20	34	28	42	2.41	−.28	2.20	.0	3	22	4	4		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19								3.18	−.34	2.04	.0	8					Lockmaster
Dam 13 O. R	Marshall	655	24								2.53	−.45	1.63	.0	6					Lockmaster
Dam 15 Mon. R	Marion	882	19								3.01	−.18	2.34	.0	7					Lockmaster
Dam 19 O. R	Wood	600	24								1.54	−1.12	1.25	.0	3					Lockmaster
Dam 20 O. R	Wood	600	24								1.90	−.69	1.46	.0	4					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28								2.73	+.14	2.29	.0	4					Lockmaster
Elkins	Randolph	1,927	39	63.0	−3.6	85	21	31	26	40	3.42	+.27	2.71	.0	7	15	6	9	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	63.0	−4.4	90	§20	33	26	38	2.71	−.24	2.26	.0	6	18	6	6	w.	J. C. Robinson
Glenville	Gilmer	738	46	66.6	−1.9	98	20	36	27	45	2.59	−.63	2.34	.0	4	12	14	4	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	63.7	−3.4	92	§21	32	§26	42	3.26	+.65	2.50	.0	7	20	2	8		L. W. Clayton
Hastings	Wetzel	809	5								2.55		1.75	.0	4	14	11	5	w.	L. G. McIntyre
Horner	Lewis	1,044	17								3.24	−.29	2.70	.0	4					Foster R. Hardman
Jane Lew	Lewis	1,020	17								3.92	+.68	2.81	.0	6					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	61.6	−3.8	90	20	29	26	41	4.15	+1.16	3.05	.0	5	17	7	6	w.	Allen Smith
Mannington	Marion	974	37	60.0	−4.9	85	21	31	26	37	2.64	−.75	2.03	.0	6	18	7	5	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	62.2	−5.3	84	23	30	§26	48	3.00	+.13	1.80	.0	4	21	8	1		Bruce Davis
New Cumberland	Hancock	671	42	63.5	−2.0	92	20	35	26	30	1.96	−.95	1.24	.0	7	13	2	15	nw.	C. O. Valentine
New Martinsville	Wetzel	637	46	64.7	−3.8	90	21	33	26	36	2.21	−.82	1.30	.0	5	17	10	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	53	63.8	−3.5	90	20	36	26	33	2.13	−.63	1.61	.0	5	19	6	5	n.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	62.0	−1.7	87	§20	34	26	38	4.37	+1.22	3.30	.0	5	20	5	5		J. W. Swisher
Philippi	Barbour	1,300	43								4.05	+.75	2.53	.0	8					Mrs. Maxine Leach
Pickens	Randolph	2,760	37	57.0	−4.8	81	23	26	27	46	4.93	+.83	3.55	.0	5	21	6	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17								2.96	−.44	2.58	.0	4	23	1	6		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52								4.18	+.70	2.40	.0	8					W. H. Bolyard
Saint Marys	Pleasants	625	32								2.31	−.39	1.71	.0	5					Edward Hughes
Terra Alta	Preston	2,559	39	55.4	−6.4	82	21	25	27	40	3.60	−.11	2.60	.0	3	17	4	9	e.	John Dee Williston
Thomas	Tucker	3,000	11								4.88	+.88	2.15	.0	7					W. Sleeman
Valley Chapel	Lewis	1,011	17	63.4	−4.6	92	§20	32	26	40	3.47	+.15	2.90	.0	3	16	10	4	w.	S. A. Spence
Vandalia	Lewis	1,120	17								3.30	+.03	2.82	.0	3					James B. Kelley
Wellsburg (near)	Brooke	668	33	61.3	−3.6	88	§20	31	§26	43	1.67	−1.32	1.08	.0	4	21	7	2		George P. Pfister
West Milford	Harrison	979	15								3.00	−.27	2.02	.0	6					Scotland G. Highland
Weston	Lewis	1,026	45	64.8	−2.5	92	21	35	§26	46	3.85	+1.22	3.18	.0	7	8	17	5		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	64.0	−3.4	91	20	37	§26	35	2.99	+.07	1.52	.0	6	18	8	4	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	14								2.27	−.26	1.86	.0	5	19	6	5	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	60.3	−3.8	87	19				1.73	−.81	1.09	.0	3	22	5	3		L. A. Mauck
Bluefield	Mercer	2,558	45	61.4	−4.8	83	23	35	26	31	1.29	−1.03	.65	.0	2	23	6	1		Norfolk & Western Ry.
Charleston	Kanawha	602	37	65.6	−5.3	93	22	40	26	38	3.77	+.79	3.45	.0	3					Charleston Daily Mail
Clay	Clay	790	24								3.66	+.44	2.49	.0	5					L. E. Woofter
Flat Top	Mercer	3,270	2	57.3		81	20	30	26	36	1.71		.85	..	3	16	9	5	n.	U. S. Airway Station
Gary	McDowell	1,426	24	63.2	−5.3	88	20	34	28	41	2.06	−.93	.68	.0	5					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	65.8		94	21	36	26	38	2.57		2.34	.0	3	12	11	7	n.	State Forest Nursery
Hinton	Summers	1,431	43	64.8	−3.2	90	21	36	28	39	3.01	+.32	1.62	.0	5					Mrs. M. L. McClung
Hogsett	Mason	564	24								2.48	+.30	2.30	.0	3					Lockmaster
Huntington	Cabell	571	43	67.8	−1.2	96	20	39	26	40	2.53	+.08	2.17	.0	3	17	10	3	ne.	H. N. Robinson
Institute	Kanawha	606	2	66.1		97	21	37	26	39	2.71		2.37	.0	3					Civil Aeronautics Bureau
Kanawha Falls	Fayette	618	21								1.20	−1.96	1.00	.0	2					Miss Loula M. Brown
Kayford	Kanawha	1,335	24								2.20	−1.18	1.70	.0	4					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	60.6	−3.7	86	21	30	§27	39	.77	−1.92	.47	.0	5	17	11	2		J. K. Monroe
Logan	Logan	700	37	67.4	−3.0	95	22	39	§26	39	2.83	−.32	2.32	.0	5	20	3	7		Paul A. Simonds
London Locks	Kanawha	623	4	66.2		92	21	40	§26	40	2.88		1.88	.0	4					Lockmaster
Madison	Boone	675	19																	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	60.9	−.3	88	§20	29	27	45	1.43	−1.58	.84	.0	4	8	12	10		Edward A. Moore
Point Pleasant	Mason	595	41	65.8	−.1	95	§20	37	27	40	2.50	+.09	2.27	.0	3	21	4	5	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	57.6		83	21	29	§26	41	1.42		.79	.0	5	18	5	7		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	65.8	−3.6	94	22	34	27	43	2.20	−.10	1.90	.0	3	22	0	8	sw.	Lockmaster
Richwood	Nicholas	2,193	10	58.2		85	21	30	28	50	2.26		1.41	.0	6	12	12	6	se.	Cherry River Paper Co.
Ryan	Roane	700	37	60.9	−3.7	88	§20	30	§26	47	2.18	−.82	2.15	.0	2	21	7	2		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	55.8		83	§20	23	§27	48	1.03		.80	.0	4	5	21	4	sw.	Supt., State Forest
Spencer	Roane	789	36	63.0	−3.5	93	21	34	27	40	2.50	−.38	2.16	.0	4	20	6	4		A. M. McKown
Sutton	Braxton	850	34	64.9	−3.8	92	§21	35	26	41	4.31	+.96	3.90	.0	4					C. B. Eakle
Union	Monroe	2,200	36	60.4	−5.7	89	21	28	27	43	.94	−1.61	.50	.0	5	17	9	4		C. B. King
Wayne	Wayne	598	13								2.20	−.89	2.00	.0	3					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	61.4	−3.5	82	§1	29	27	44	.50	−2.34	.45	.0	2	25	3	2		White Sulphur Spgs., inc.
Williamson	Mingo	673	40	67.2	−2.5	93	21	40	§27	35	2.97	−.02	2.27	.0	6	26	2	2	ne.	J. E. Dotson
Winfield Locks	Putnam	571	2	65.0		92	21	35	26	37	1.97		1.54	.0	3	19	5	6	se.	Lockmaster
State averages and	extremes			**62.2**	**−4.2**	**98**	**20**	**21**	**§12**	**51**	**2.88**	**−.02**	**4.14**	**.0**	5	17	8	5	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. |||| Incomplete.

Daily Precipitation for September 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	1.30							.62	.28	.14	.29											.24			2.00	.35						5.22
Brandywine	do								.10							T.							T.		T.	1.00							1.10
Brushy Run[2]	do	.29							.07		.06												.10			.93	.68						2.13
Harpers Ferry[2]	do	1.92								.23	.03												.08			1.79	1.43						5.48
Inwood	do	T.							.10	.32													.07		.02	1.93							2.44
Kearneysville	do	.02							.17	.13	.01												.16		.07	3.15							3.71
Knobly Mountain[2]†	do	.18							.48														.28			1.15	.90						2.99
Martinsburg[2]	do	.51								.28	.01												.10			1.65	1.35						3.90
McNeill	do								.18	.05	.04												.34		.14	1.62							2.37
Petersburg	do	.24									.54					.11									.06	1.59							2.54
Piedmont	do	.02							.07	1.29	.02														.09	1.84							3.33
Romney	do	.10							.14														.25		.12	2.19							2.80
Spruce Knob[2]†	do	.92							.22	T	.19	.13											T.			1.40	.32						3.18
Stony River Dam[2]†	do	.45							.75		.32	.10														2.00	.15						3.77
Wardensville[2]	do	.94								.14	.04												.14			1.03	.75						3.04
Northern Division																																	
Aberdeen†	West Fork								.54	.22	.30												.22		T.	3.46							4.74
Alma (near)	Ohio								.12	.33	.20															1.90							2.55
Alpena	Cheat								.44		.43												.13	T.	.10	2.48							3.58
Belington[2]	Tygart	.47		T.					.17	.03	.18	.14											.22			3.72	.70						5.63
Benson†	West Fork								.40		.18												.02		.02	2.50							3.12
Bens Run	Ohio								.25		.39															1.01							1.65
Big Skin Creek†	West Fork								.12	.06	.27														.40	2.30							3.15
Brownsville†	do	.34							.20	.03	.23														.01	3.31							4.12
Buckhannon	Tygart								.45		.65												.20		T.	3.20							4.50
Cairo	Litl.Kanawha	T.							.05		.15															2.20							2.40
Clarksburg[2]	West Fork	.46							.15	.05	.22	.02											.05			1.85	.48						3.28
Crawford	do								.13		.14														T.	3.81							4.08
Creston[2]	Litl.Kanawha									.10	.11															2.20	T.						2.41
Dailey[2]†	Tygart	.92							.30	.15	.21	.09											.10			1.54	1.47						4.78
Dam 10, Mon. R.[2]†	Monongahela.	.71							.11	.04	.12	.11											.05			1.49	.55						3.18
Dam 13, O. R.[2]†	Ohio	.15							.07	.03	.65															1.43	.20						2.53
Dam 15, Mon. R.[2]†	Monongahela	.29							.10	.09	.10	.09														1.65	.69						3.01
Dam 19, O. R.[2]†	Ohio	T.								.02	.27														T.	1.25							1.54
Dam 20, O. R.[2]†	do	.02									.33															1.46	.09						1.90
Elizabeth (Dam 3)[2]	Litl.Kanawha	T.								.12	.23															2.29	.09						2.73
Elk†	West Fork								.20	.12	.18												.05			3.08							3.63
Elkins[1]‡	Tygart								.27	.01	.23											.17	.01		.76	1.97							3.42
Fairmont[2]	Monongahela.								.12	.15	.15	.03														2.03	.23						2.71
Glenville[2]	Litl.Kanawha	T.								.04	.21															2.10	.24						2.59
Grafton	Tygart	.07							.40	.02		.16											.08		.03	2.50							3.26
Hackers Creek†	West Fork																																......
Hall[2]	Tygart	.47							.17	.05	.21	T.											.02			2.64	.67						4.23
Harrison Co. Airport[2]	West Fork	.03							.05	.08	.13												.03			1.91	.36						2.59
Hastings	Ohio								.40	.02	.38															1.75							2.55
Horner	West Fork	.15							.19	.20																2.70							3.24
Ireland	do								.09		.24														.01	4.00							4.34
Jane Lew	do	T.							.18	.49	.28												.15			2.81	.01						3.92
Kumbrabow St. For.†[2]	Tygart			T.	T.			.22			.39		T.							T.						2.06							2.67
Lost Creek	West Fork								.45	.47	.12												.06		T.	3.05							4.15
Mannington	Monongahela.	.02							.26	.02	.29												.02		T.	2.03							2.64
Midvale[2]†	Tygart	.19							.42	.09	.14	.13											.17			3.30	.84						5.28
Morgantown	Monongahela.							T.	.10		.30	T.													.80	1.80							3.00
Mt. Clare	West Fork								.17	.28	.17												.02	T.		2.73							3.37
New Cumberland	Ohio		.02					.36			.32					.01						.01			.78	.46							1.96
New Martinsville	do								.40	.05	.36														.10	1.30							2.21
Parkersburg[1]‡	do								.17	.19	.16														.60	1.01							2.13
Parsons	Cheat									.45		.47											.15			*	3.30						4.37
Philippi[2]	Tygart	.37							.19	.03	.20	.05											.17			2.53	.51						4.05
Pickens	do								.74		.50												.06		.08	3.55							4.93
Roanoke	West Fork			.01					.09		.28														T.	2.58							2.96
Rockford†	do								.22	.40	.25												T.			2.92							3.79
Rowlesburg[2]	Cheat	.48							.28	.12	.11	.12											.14			2.40	.53						4.18
Saint Marys[2]	Ohio	.02								.02	.48															1.71	.08						2.31
Salem	West Fork								.38	.72	.17												T.		.03	2.12							3.42
Shinnston	do																			T.					.10	2.10							2.20
Terra Alta[2]†	Cheat								.70		.30															2.60							3.60
Thomas[2]	do	.81								.64	.16	.29												.03		2.15	.80						4.88
Valley Chapel	West Fork								.20		.37															2.90							3.47
Valley Head[2]	Tygart	.41							.23	.14	.19	.16											.05			.92	.99						3.09
Vandalia†	West Fork								.21		.27															2.82							3.30
Wellsburg (near)	Ohio								.10		.28														.21	1.08							1.67
West Milford	West Fork	.04							.28	.37	.18												.11			2.02							3.00
Weston[2]	do	.15							.12	.16	.21	.03														2.60	.58						3.85
Wheeling (Dam 12)[2]	Ohio	.43						T.	.36	.03	.46														T.	1.52	.19						2.99
Southern Division																																	
Arbovale[2]	Greenbrier									.26	.10												.05			1.00	.86						2.27
Beckley	New										.33														.31	1.09							1.73
Bluefield	New										.64															.65							1.29
Camden-on-Gauley[2]	Gauley										.44	.08														1.27	.63						2.42
Charleston[2]	Gr. Kanawha.										.11	T.														3.45	.21						3.77
Clay[2]	Elk									.10	.24	.03														2.49	.80						3.66
Flat Top[2]	New										.65														.21	.85							1.71
Gary[2]	Big Sandy	.58									.48	.12														.20	.68						2.06
Greenbottom[2]†	Ohio									T.	.17	T.													.06	2.34	T.						2.57
Hinton[2]	New	1.62									.19	.12														.55	.53						3.01
Hogsett[2]	Ohio										.08															2.30	.10						2.48
Huntington	do										.21														.15	2.17							2.53
Institute[2]	Gr. Kanawha.										.16															2.37	.18						2.71
Kanawha Falls[2]†	do										.20														T	1.00							1.20
Kayford[2]	do										.39	.06														1.70	.05						2.20
Lewisburg	Greenbrier	.02		T.						.10	.17		T.												.01	.47							.77
Logan[2]	Guyandot	.04								T.	.30	T.													.06	2.32	.11						2.83
London Locks[2]†	Gr. Kanawha.	.12									.17															1.88	.71						2.88
Madison[2]	Coal																																......
Marlinton	Greenbrier									.21	.20														.18	.84							1.43
Point Pleasant[2]	Ohio										.12	T.													T.	2.27	.11						2.50
Princeton[2]	New										.27	.12														.02	.78						1.19
Rainelle	Greenbrier	.01		T.	T.					T.	.34		.01												.27	.79					T.		1.42
Ravenswood[2]	Ohio										.10															1.90	.20						2.20

Continued on next page.

Daily Precipitation for September 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	.42	....	....	....	....	....	....	....	.12	.11	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	.53	.88	....	....	....	....	....	2.26
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	2.15	....	....	....	....	....	....	2.18
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	....	....	....	.16	....	....	....	....	....	....	....	....	....	....	....	.02	....	.05	.80	....	....	....	....	....	....	1.03
Spencer[2]	Litl.Kanawha	....	....	....	....	....	....	....	....	....	.20	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	2.16	.11	....	....	....	....	....	2.50
Sutton	Elk	....	....	....	....	....	....	....	.06	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	3.90	....	....	....	....	....	....	4.31
Thornwood[2]	Greenbrier	....	....	....	....	....	....	....	.50	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.70	....	....	....	....	....	....	1.50
Union	New	.09	....	....	....	....	....	....	....	....	.15	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	.50	....	....	....	....	....	.94
Wayne[2]	Twelvepole	....	....	....	....	....	....	....	....	....	.14	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	2.00	....	....	....	....	....	....	2.20
White Sulp'r Spgs.[2]	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	.45	....	....	....	....	....	....	.50
Williamson[2]	Big Sandy	.07	....	....	....	....	....	....	....	....	.56	.01	....	....	....	....	....	....	....	....	....	....	....	....	.06	2.03	.24	....	....	....	....	....	2.97
Winfield Locks[2]†	Gr. Kanawha	....	....	....	....	....	....	....	....	....	.19	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	1.54	.24	....	....	....	....	....	1.97

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.
T. Trace, or less than .01 inch. ||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for September 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	72	72	74	79	75	75	75	70	71	65	56	60	65	70	75	65	73	77	80	82	82	74	72	64	55	54	62	62	69	65	....	69.7
	Minimum	51	43	41	41	42	43	35	38	48	58	33	31	34	30	32	42	36	38	39	42	50	52	38	40	54	30	23	23	25	32	....	38.8
Beckley	Maximum	75	76	78	82	78	78	79	79	75	70	60	59	69	75	76	68	78	81	87	84	85	80	81	77	74	57	64	69	73	71	....	74.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	62	44	32	32	35	35	42	....	....
Bluefield	Maximum	73	75	76	80	79	78	76	79	75	73	62	60	65	70	75	70	74	77	79	80	82	81	83	78	76	53	59	63	67	67	....	72.8
	Minimum	55	54	54	54	58	58	50	54	59	60	47	37	36	48	46	43	44	57	57	56	58	60	54	63	45	35	38	41	38	44	....	50.1
Buckhannon	Maximum	75	75	75	78	79	77	75	72	74	70	65	60	70	72	74	67	72	78	79	82	88	80	76	75	72	55	62	68	70	69	....	72.8
	Minimum	54	53	43	49	50	53	54	60	60	61	48	38	38	41	47	56	43	42	50	50	50	56	48	48	48	33	33	34	36	46	....	47.4
Charleston[3]	Maximum	83	83	82	84	83	85	83	83	82	75	63	77	80	80	82	80	83	84	87	90	91	93	84	85	60	61	67	69	75	74	....	79.6
	Minimum	58	59	57	58	59	57	57	59	60	53	43	44	44	46	47	53	54	56	57	60	59	55	52	52	40	40	41	41	43	46	....	51.7
Clarksburg[3]	Maximum	79	78	83	83	80	78	81	77	76	69	63	64	71	78	77	72	79	84	86	90	89	78	80	82	55	56	68	73	74	72	....	75.8
	Minimum	56	57	57	53	53	52	47	49	59	61	46	39	37	40	43	47	48	47	48	50	54	56	52	51	51	32	34	35	35	39	....	47.6
Elkins	Maximum	74	74	76	80	78	73	75	72	73	67	56	58	66	74	75	65	74	80	81	84	85	73	77	75	65	52	65	73	72	67	....	72.0
	Minimum	57	52	52	52	50	50	45	57	62	52	40	36	37	41	46	50	46	46	50	52	55	53	48	58	39	31	31	33	37	42	....	46.7
Fairmont[3]	Maximum	79	77	82	82	82	78	80	74	75	73	66	62	70	81	80	73	75	86	85	90	90	80	83	77	53	58	68	75	74	72	....	76.0
	Minimum	62	58	56	56	55	54	49	54	62	59	46	44	39	43	50	50	51	49	52	56	60	59	51	55	48	33	34	37	39	43	....	50.1
Flat Top	Maximum	72	74	78	74	74	75	73	73	65	55	56	62	68	72	64	67	73	78	80	81	74	76	73	67	53	54	63	67	64	64	....	69.0
	Minimum	53	46	48	52	50	56	45	54	59	54	43	33	32	36	43	42	39	51	47	51	55	57	47	55	40	30	34	37	35	44	....	45.6
Gary[3]	Maximum	78	78	80	86	82	80	81	83	81	69	61	65	70	72	77	73	79	84	83	88	86	82	83	80	65	61	67	73	76	72	...	76.5
	Minimum	58	54	54	55	58	56	55	57	57	62	50	41	40	41	45	48	46	46	52	56	56	59	52	54	64	37	35	34	35	43	....	50.0
Glenville	Maximum	83	83	85	88	88	85	87	85	84	77	75	69	75	82	83	83	82	88	91	98	95	92	88	84	80	65	74	78	79	79	....	82.8
	Minimum	60	59	58	55	56	55	53	58	59	61	50	41	40	43	49	49	48	48	52	53	56	58	50	57	49	37	36	37	40	47	....	50.5
Grafton	Maximum	78	81	79	82	86	84	81	80	76	77	74	62	67	77	80	80	77	83	88	90	92	92	84	81	79	58	69	72	78	79	....	79.0
	Minimum	61	53	54	52	52	52	45	56	60	60	44	38	38	41	49	50	48	47	52	55	55	58	48	57	47	32	32	34	36	44	....	48.4
Huntington	Maximum	85	86	85	87	85	87	83	88	81	78	65	73	77	82	84	81	82	87	94	96	96	88	90	82	75	64	70	75	79	74	....	82.0
	Minimum	62	60	57	58	57	59	58	58	60	64	52	43	43	44	53	49	52	53	54	57	60	63	55	65	49	39	41	42	45	52	....	53.5
Lewisburg	Maximum	76	76	79	82	81	79	79	80	76	69	63	64	68	73	77	73	75	78	82	85	86	83	79	74	68	60	62	69	74	71	....	74.7
	Minimum	56	48	49	51	50	53	46	67	58	60	43	34	34	40	45	43	43	47	51	50	53	59	47	58	47	32	30	30	35	40	....	46.6
Logan[3]	Maximum	85	84	85	90	87	86	88	89	88	74	65	69	73	76	83	78	82	89	91	92	95	93	90	81	61	64	71	76	78	75	....	81.3
	Minimum	61	60	58	59	61	61	58	59	61	65	50	44	45	46	50	50	52	50	52	59	63	60	56	58	55	39	39	41	42	48	....	53.4
Madison[3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Mannington	Maximum	73	73	74	77	78	75	75	73	73	71	61	61	64	72	73	67	72	78	80	83	85	75	77	75	71	55	63	69	70	69	....	72.1
	Minimum	60	58	55	52	53	51	46	57	60	59	47	42	38	40	48	49	48	44	48	53	55	55	47	55	47	31	32	32	34	44	....	48.0
Marlinton	Maximum	78	77	81	85	80	81	83	80	79	74	69	64	73	75	79	73	76	81	85	88	88	82	82	77	72	66	70	73	77	74	....	77.4
	Minimum	54	49	51	50	53	52	41	50	53	56	43	35	34	33	43	43	42	45	52	49	53	53	45	55	41	30	29	30	32	36	....	44.4
Martinsburg[3]	Maximum	87	85	84	83	84	79	79	76	84	78	70	71	74	78	77	75	79	81	85	91	94	82	83	78	67	61	60	71	75	70	....	78.0
	Minimum	65	58	57	56	57	56	49	52	60	64	46	41	47	44	48	57	49	49	49	53	61	62	54	55	62	37	35	35	39	43	....	51.3
Morgantown	Maximum	80	76	80	75	78	80	78	79	77	78	75	78	72	73	76	75	80	76	80	75	80	79	84	75	67	78	75	71	70	75	....	76.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Martinsville	Maximum	80	83	83	85	85	82	82	80	76	72	65	63	73	76	77	73	79	85	87	89	90	81	80	77	72	60	69	74	72	70	....	77.3
	Minimum	65	59	59	58	59	57	52	61	62	60	48	44	44	40	50	51	53	52	55	58	60	55	55	58	48	33	38	40	42	48	....	52.1
Parkersburg	Maximum	78	77	79	80	80	80	81	83	75	70	62	63	70	78	73	71	75	81	86	90	89	77	81	79	66	58	65	70	70	70	....	75.2
	Minimum	62	60	55	57	57	58	56	64	62	54	50	46	41	47	55	51	51	49	54	57	61	60	53	61	43	36	37	38	42	52	....	52.3
Pickens	Maximum	72	72	73	78	77	75	75	72	77	64	60	57	56	70	75	67	66	66	79	80	78	75	81	77	78	69	68	74	72	67	....	71.7
	Minimum	60	47	45	45	47	44	40	40	45	60	35	31	31	38	43	42	38	45	48	48	52	52	47	51	38	30	26	28	33	39	....	42.3
Point Pleasant	Maximum	82	82	85	85	84	88	86	85	78	73	65	66	76	81	79	76	81	89	90	95	95	84	83	80	62	61	68	74	75	71	....	79.3
	Minimum	57	60	55	57	58	57	56	58	59	61	50	45	43	46	53	51	50	49	54	56	60	63	53	60	48	38	37	38	47	51	....	52.3
Rainelle	Maximum	71	72	77	82	78	70	75	77	73	68	60	58	68	71	72	67	71	77	81	82	83	73	78	72	69	58	62	66	73	66	....	71.7
	Minimum	51	49	48	50	52	51	45	45	53	57	43	32	33	34	44	43	40	41	49	46	50	51	43	55	43	29	29	29	32	35	....	43.4
Richwood[3]	Maximum	82	79	84	81	80	82	79	83	80	77	51	53	56	65	70	68	74	78	79	84	85	78	79	81	81	51	63	68	70	71	....	73.7
	Minimum	49	48	47	49	48	46	47	49	52	46	35	34	35	40	40	41	44	48	50	50	53	46	44	47	31	31	31	30	33	38	....	42.7
Romney	Maximum	81	78	81	78	79	79	75	78	78	75	68	67	72	78	78	73	76	78	86	89	89	88	80	76	72	60	62	70	72	71	....	76.2
	Minimum	62	54	52	52	54	54	45	57	57	61	41	37	43	41	60	55	46	47	52	56	55	55	50	56	51	32	33	35	37	41	....	49.0
Spencer[3]	Maximum	79	80	81	83	81	80	83	83	75	74	61	65	71	78	78	74	79	86	88	92	93	83	86	79	59	60	67	72	74	71	....	77.2
	Minimum	57	58	58	52	54	54	52	54	57	59	50	42	37	41	52	45	46	47	49	52	54	62	47	50	51	35	34	35	37	44	....	48.8
Sutton	Maximum	88	80	81	86	86	85	84	84	77	73	69	61	72	81	81	78	80	89	90	91	92	92	90	90	80	62	70	74	75	75	....	80.5
	Minimum	58	60	59	54	55	58	50	54	58	61	39	39	40	42	41	49	47	48	52	53	55	59	49	57	49	35	36	37	39	45	....	49.3
Wardensville[3]	Maximum	80	80	78	80	79	75	75	79	78	71	65	65	72	73	75	73	75	78	84	90	89	79	78	75	65	57	68	70	70	66	....	74.7
	Minimum	57	51	51	50	54	50	43	48	55	57	40	34	37	38	44	48	43	43	49	52	54	55	48	54	61	33	30	30	33	42	....	46.1
Weston	Maximum	85	83	83	86	84	82	84	78	79	76	66	66	73	88	88	79	79	86	88	91	92	83	84	79	76	60	70	72	77	73	....	79.7
	Minimum	62	57	56	54	53	53	48	58	60	63	57	42	39	42	45	49	46	50	53	56	56	50	58	49	49	35	35	35	38	48	....	49.9
Wheeling[3]	Maximum	79	76	80	83	82	79	82	82	77	70	62	65	77	75	81	72	78	82	86	91	90	90	81	73	58	60	67	75	72	70	....	76.5
	Minimum	61	61	58	56	57	57	51	52	61	61	44	46	47	46	49	52	51	51	52	56	60	57	54	55	49	37	37	40	41	45	....	51.5
Williamson[3]	Maximum	83	84	85	85	86	75	86	85	86	76	65	69	75	80	82	76	82	88	90	90	93	88	87	79	60	65	71	76	77	73	....	79.9
	Minimum	62	61	59	60	61	61	59	60	64	56	50	46	46	46	53	51	52	53	58	62	64	63	57	59	55	41	40	40	45	49	....	54.4

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.064	.136	.103	.122	.132	.110	.136	.096	.045	.071	.160	.087	.075	.083	.107	.123	.070	.082	.090	.090	.106	.132	.086	.091	.009	.169	.054	.057	.073	.067	....	2.826
	Wind movement	6	31	19	13	10	15	21	16	18	56	61	32	3	12	19	33	16	9	12	11	13	39	13	4	26	52	16	8	11	21	....	616
Wardensville	Evaporation	.064	.253	.145	.155	.182	.157	.174	.111	.085	.116	.121	.136	.122	.134	.163	.130	.108	.099	.110	.121	.141	.220	.191	.125	.046	.166	.118	.121	*	.226	....	4.040
	Wind movement	16	22	33	17	10	35	22	20	30	22	39	27	36	20	43	26	23	15	22	12	17	61	37	10	18	70	26	20	*	41	....	790

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 10-29-40—900)

E

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., OCTOBER 1940 No. 10

GENERAL SUMMARY

Precipitation averaged 63 per cent of normal. The greatest deficiency (42 per cent) occurred in the southern division. A large area in the extreme southern part of the state had precipitation totals for the month of less than one inch. Only one station, Harpers Ferry, reported total precipitation in excess of normal. Thirty-three stations, most of them in the northeastern panhandle division and the northeastern part of the northern division, reported snowfall on the 19th and 20th.

The mean temperature for the entire state averaged 0.3° below the normal. The northeastern panhandle division was consistently below normal, while several stations in the southeastern part of the state and a large number in the central and north-central part were above normal.

Dry weather and generally mild temperatures were favorable for the maturing and the harvesting of most late crops. However, in many sections pastures were declining at the close of the month due to the lack of rain. Winter grains were a little late because of slow germination.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 64 stations, was 54.3°, or 0.3° below the normal. The mean for the northeastern panhandle division was 52.7°; for the northern division, 54.3°; and for the southern division, 54.9°. The highest monthly mean was 59.6° at Huntington and the lowest, 47.4° at Bayard. The highest temperature was 88° at three stations, Huntington on the 13th and 14th and Logan and Weston on the 14th, and the lowest, 18° at Seneca State Forest on the 21st and Pickens on the 22d. The greatest daily range was 65° at McNeill on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 117 stations, was 1.80 inches, or 1.04 inches below the normal. In the northeastern panhandle division the average was 2.06 inches; in the northern division, 2.19 inches; and in the southern division, 1.13 inches. The greatest monthly precipitation was 4.27 inches at Kumbrabow State Forest and the least, 0.35 inch at Mullens. The greatest amount in any 24 consecutive hours was 1.80 inches at Cairo on the 30th. The average monthly snowfall was 0.4 inch, or 0.1 inch above the normal. The greatest monthly snowfall was 6.0 inches at Spruce Knob. The average number of days with .01 inch or more of precipitation was 8.

ALLEN SMITH

Allen Smith of Lost Creek died October 24th, 1940 at the age of 64. Mr. Smith commenced observations in May 1895, and at the time of his death was the oldest cooperative observer in point of service in West Virginia. His reports were always prompt, neat and scrupulously accurate, and the service witnesses his passing with more than ordinary regret.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	5	5	33	33	21	3	2	5	26	29	27	22	7	10	3	4	17	12	5	5	23	28	10	4	5	9	4	10	1	1	16
Frost, killing	..	..	..	..	..	..	..	..	5	2	1	..	..	..	..	2	..	1	16	..	9	2	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	1	..	..	..
Hail	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	1	1	1	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	2	1	1	..	..	..	..	..	8	8	8	9	5	2	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.11	30.34	22	29.67	19	6.1	22	sw.	14	86	44	54	71
Columbus, Ohio	30.09	30.35	22	29.78	19	7.4	28	sw.	14	86	50	65	68
Elkins	30.13	30.41	22	29.79	7	4.5	22	w.	7	93	57	80	49
Parkersburg	30.10	30.38	22	29.82	19	4.8	25	w.	17	88	52	68	53
Pittsburgh, Pa	30.10	30.42	22	29.77	7	9.0	25	nw.	30	84	54	62	56
Wytheville, Va	30.12	30.40	22	29.76	19	5.5	19	w.	26	89	....	65	69

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	......	7	......	......	......
1892	52.6	89	24	.21	1.05	.48	.83	......	4	......	......	......
1893	54.1	86	16	4.85	4.20	5.91	4.74	..	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	48.1	89	8	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	2	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	62.3	102	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	.40	T	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	7.30	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	8	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
Period	54.6	102	8	2.70	2.97	2.72	2.84	.3	7	16	7	8

Climatological Data for October 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	47.4	−1.8	80	14	21	22	49	2.04	−1.22	0.52	4.0	8	18	6	7	w.	Lewis T. Clark
Braudywine	Pendleton	1,586	24	52.8	−.5	83	14	26	§20	47	1.78	−.59	.60	3.0	10	21	0	10	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51								3.41	+.15	1.37	.1	11					Miss Eleanor White
Inwood	Berkeley	569	8	54.3		85	13	28	21	46	2.53		1.25	2.0	9	16	7	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	52.6		83	13	29	§21	44	3.65		1.54	.0	9	12	9	10	u.	University Exper. Station
Martinsburg	Berkeley	435	48	52.8	−1.9	83	13	29	21	48	3.01	−.06	1.37	.2	10	18	12	1	w.	Dr. H. S. Garduer
McNeill	Hardy	800	44	52.2	−1.9	87	6	20	§12	65	1.58	−.73	.59	T.	8	11	13	7	nw.	R. E. Saville
Piedmont	Mineral	1,053	27	52.4	−1.0	83	6	27	19	45	1.01	−1.64	.38	2.0	9	11	11	9	w.	C. A. Suter, Jr.
Romney	Hampshire	824	42	54.6	−.3	83	§6	27	§22	48	.81	−1.74	.42	.7	4	14	6	11		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8								2.25		.57	6.0	8					Moses R. Bennett
Stony River Dam	Grant	3,300	20								2.77	−.43	.67	4.5	6	6	7	18	w.	A. C. Becker
Wardensville	Hardy	1,200	19	51.2	−1.4	84	6	25	21	45	1.63	−1.53	.70	T.	8	9	14	8	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16								2.76	−.78	.66	.0	14	8	17	6		L. Esle Bond
Alma (near)	Tyler	800	13								1.14	−1.58	.50	.0	9	15	10	6		H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	48.4		78	6	20	21	44	2.53		.70	.0	11	16	7	8		Christian Hertig
Benson	Harrison	1,080	16	55.2	+2.3	85	15	25	19	43	2.65	−.91	1.05	.0	10	9	19	3		R. D. Marts
Bens Run	Pleasants	652	38	53.9	−2.7	80	13	34	22	30	2.07	−.95	1.09	.0	5	22	5	4		Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	55.0	+.4	82	§6	28	§19	41	2.20	−1.22	.63	.0	12	10	14	7		M. D. Hawkins
Buckhannon	Upshur	1,411	43	53.9	+.1	79	14	23	21	33	2.87	−.27	.90	.0	10	14	14	3		H. A. Darnall
Cairo	Ritchie	680	39	55.4	−.4	85	§14	26	21	46	2.78	−.14	1.80	.0	8	17	11	3		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	53.6	+.2	83	§6	27	19	40	2.22	−.91	.84	.0	8	15	9	7		Clarksburg Water Board
Crawford	Lewis	1,107	17								2.49	−1.00	.75	.0	13	15	12	4	sw.	George W. Blair
Creston	Wirt	640	38	56.6	+.9	86	14	29	§19	47	2.27	−.88	1.00	.0	7	16	9	6		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19								1.71	−1.46	.86	T.	7					Lockmaster
Dam 13 O. R	Marshall	655	24								1.85	−.84	.65	.0	9					Lockmaster
Dam 15 Mon. R	Marion	882	19								2.07	−1.17	1.07	.0	8					Lockmaster
Dam 19 O. R	Wood	600	24								1.82	−.83	.98	.0	8					Lockmaster
Dam 20 O. R	Wood	600	24								1.50	−1.25	.75	.0	6					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28								2.50	−.42	1.60	.0	7					Lockmaster
Elkins	Randolph	1,927	39	52.2	−.1	82	14	27	21	41	2.86	−.05	.68	.6	12	8	11	12	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	54.7	−.4	86	14	29	§19	43	1.80	−1.31	.89	.0	9	16	6	9	w.	J. C. Robinson
Glenville	Gilmer	738	46	58.5	+2.3	87	14	30	21	43	2.13	−1.08	.72	.0	6	10	13	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	56.0	+.8	87	14	27	§19	41	2.08	−.88	.69	.0	12	17	8	6		L. W. Clayton
Hastings	Wetzel	809	5								2.20		1.35	.0	9	13	7	11	w.	L. G. McIntyre
Horner	Lewis	1,044	17								2.02	−1.67	1.00	.0	6					Foster R. Hardman
Jane Lew	Lewis	1,020	17								1.40	−1.92	.62	.0	8					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42																	Allen Smith
Mannington	Marion	974	37	52.6	−1.0	81	14	24	19	44	2.05	−1.12	1.17	.0	10	18	5	8	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	55.6	+.4	83	14	32	19	34	2.11	−1.04	1.00	.0	9				sw.	Bruce Davis
New Cumberland	Hancock	671	42	54.4	+.4	84	6	28	20	40	1.14	−1.58	.47	.2	7	12	1	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	46	55.4	−1.4	85	14	29	19	42	2.06	−1.06	1.32	.0	6	17	8	6	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	53	56.4	+.3	84	14	30	21	33	1.59	−.89	.80	.0	7	13	11	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	55.4	+3.9	84	14	30	§19	42	2.57	−.70	.73	T.	5	14	10	7		J. W. Swisher
Philippi	Barbour	1,300	43								2.20	−.94	.61	.0	9					Mrs. Maxine Leach
Pickens	Randolph	2,760	37	50.3	−1.4	80	14	18	22	44	2.37	−1.67	.68	2.5	14	18	5	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17								2.44	−.98	.95	.0	11	18	2	11		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52								1.96	−2.39	.61	.0	8					W. H. Bolyard
Saint Marys	Pleasants	625	32								2.26	−.60	1.02	.0	8					Edward Hughes
Terra Alta	Preston	2,559	39	48.6	−.4	79	14	22	19	43	2.17	−1.72	.85	2.5	7	14	6	11	w.	John Dee Williston
Thomas	Tucker	3,000	11								2.49	−1.75	.76	2.0	9					W. Sleeman
Valley Chapel	Lewis	1,011	17	56.5	+1.1	85	14	28	§19	43	2.37	−1.04	.63	.0	13	17	9	5	w.	S. A. Spence
Vandalia	Lewis	1,120	17								2.40	−.57	.96	.0	7					James B. Kelley
Wellsburg (near)	Brooke	668	33	51.1	−2.4	83	6	20	22	47	96	−1.76	.46	T.	7	17	7	7		George P. Pfister
West Milford	Harrison	979	15								2.30	−1.92	.83	.0	11					Scotland G. Highland
Weston	Lewis	1,026	45	57.2	+1.7	88	14	29	21	42	2.32	−.49	.58	.0	10	3	26	2		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	54.1	−.8	85	6	31	§19	43	1.47	−1.26	.34	T.	8	12	13	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	14								1.52	−1.12	.31	4.2	11	18	7	6	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	53.2	−1.2	79	13	27	21	37	1.08	−1.90	.19	.0	10	18	8	5		L. A. Mauck
Bluefield	Mercer	2,558	45	55.4	−.3	78	§6	33	19	35	.98	−1.79	.46	.0	6	14	11	6		Norfolk & Western Ry.
Charleston	Kanawha	602	37	56.6	−2.3	83	6	36	§18	41	1.61	−1.43	.83	.0	6					Charleston Daily Mail
Clay	Clay	790	24								1.85	−1.13	.62	.0	11					L. E. Woofter
Flat Top	Mercer	3,270	2	50.4		76	14	24	§19	39	.71		.21	.0	6	7	18	6	nw.	U. S. Airway Station
Gary	McDowell	1,426	24	55.7	+.1	84	14	32	§22	44	.77	−2.13	.30	.0	5					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	57.8		85	14	31	19	38	1.42		.06	.0	7	11	12	8	sw.	State Forest Nursery
Hinton	Summers	1,431	43	57.2	+.2	86	14	31	19	44	.60	−2.23	.21	.0	5					Mrs. M. L. McClung
Hogsett	Mason	564	24								1.30	−1.33	.95	.0	5					Lockmaster
Huntington	Cabell	571	43	59.6	+3.2	88	§6	33	21	41	.97	−1.55	.57	.0	7	11	15	5	sw.	H. N. Robinson
Institute	Kanawha	606	2	57.0		85	§6	31	21	42	1.29		.59	.0	7					Civil Aero. Administration
Kanawha Falls	Fayette	618	21								.78	−2.52	.20	.0	5					Miss Loula M. Brown
Kayford	Kanawha	1,335	24								.51	−2.81	.46	.0	2					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	53.8	+.6	81	6	28	22	41	.77	−2.23	.19	.0	7	18	7	6		J. K. Monroe
Logan	Logan	700	37	59.4	−.7	88	14	35	19	45	.76	−2.29	.44	.0	4	15	5	11		Paul A. Simonds
London Locks	Kanawha	623	4	58.2		84	14	36	19	38	1.34		.48	.0	6	4	18	9	se.	Lockmaster
Madison	Boone	675	19																	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	54.3	+4.7	83	6	25	21	49	1.12	−1.87	.29	.0	7	3	13	15	w.	Edward A. Moore
Point Pleasant	Mason	595	41	57.0	−.2	87	14	32	22	38	.81	−2.00	.45	.0	6	13	11	7	sw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	50.6		79	§6	24	§19	45	1.02		.22	T.	10	13	6	12		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	56.8	+.5	84	6	29	21	42	1.65	−1.14	.94	.0	8	12	2	17	ue.	Lockmaster
Richwood	Nicholas	2,193	10	50.1		78	§14	26	20	36	1.47		.40	.0	9	3	14	14	se.	Cherry River Paper Co.
Ryan	Roane	700	37	50.6	−2.1	80	§3	23	22	41	1.82	−1.34	.88	.0	7	18	6	7		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	50.0		80	28	18	21	52	1.30		.59	2.0	8	11	14	6	ne.	Supt., State Forest
Spencer	Roane	789	36	55.9	+1.0	84	§6	29	§19	49	2.08	−1.08	1.00	.0	9	11	15	5		A. M. McKown
Sutton	Braxton	850	34	57.0	+.3	86	§14	29	21	42	2.62	−.37	.80	.0	9					C. B. Eakle
Union	Monroe	2,200	36	52.4	−2.0	83	6	24	§19	47	.72	−2.01	.25	.0	6	17	4	10		C. B. King
Wayne	Wayne	598	13								.62	−2.26	.30	.0	6					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	53.2	+.8	82	28	24	22	47	1.15	−1.66	.40	.0	6	24	3	4		White Sulphur Spgs., inc.
Williamson	Mingo	673	40	59.2	+1.4	85	14	36	22	39	.48	−2.31	.26	.0	5	18	9	4	ne.	J. E. Dotson
Winfield Locks	Putnam	571	2	57.0		83	§6	32	21	43	1.20		.52	.0	7	13	7	11	sw.	Lockmaster
State averages and	extremes			**54.3**	**−0.3**	**88**	**§13**	**18**	**§21**	**65**	**1.80**	**−1.04**	**1.80**	**0.4**	**8**	**14**	**9**	**8**	**w.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. |||| Incomplete.

Daily Precipitation for October 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		.38						.38	T.							.05		.11		.28						.10			.22	.52		2.04
Braudywine	do	T.	.48						.30								.10			*	.60					.07		.03	.05	.05	.10		1.78
Brushy Run[2]	do		.56	T.					.21								T.	.12	.07		.57						.07		.01	.03	.08	.05	1.77
Harpers Ferry[2]	do		1.37	.32					.56	.06							.03				.32						.15		.01	.03	.33	.23	3.41
Inwood	do		1.25	.02					.27							T.				*	.32					.12			.10	.05	.40		2.53
Kearneysville	do	.06	1.54	T.					.64							.02				.28	.07					.15				.20	.69		3.65
Knobly Mountain[2]†	do		.20						.24												.45		T.				.08			.17	.30		1.44
Martinsburg[2]	do		1.15	.22					.25								T.				.22				.12		.05		.08	.02	.60	.30	3.01
McNeill	do	T.	.59					T.	.25						T.				.23	T.	.12					.08			.02	.06	.23		1.58
Petersburg	do	.07	.46					.01	.09								.02			.05	.18					.10			.06	.07	.06		1.17
Piedmont	do		.04					.04	.09							T.			.06	.08	.30					.09	T.			.11	.20		1.01
Romney	do																			.07						.20				.12	.42		.81
Spruce Knob[2]†	do		.57						.33								.13	.20	T.		.42						.28	T.	.11	T.	.21	T.	2.25
Stony River Dam[2]†	do		.67						.45										.08		.45									.57	.55		2.77
Wardensville[2]	do		.70	.21					.22									T.	.02		.26						.05			.06	.11		1.63
Northern Division																																	
Aberdeen†	West Fork	T.	.03				.02	.37	.25							.15			.15	.30	.35				T.	.08	.05	.03	.28	.04	.66		2.76
Alma (near)	Ohio	.04						.13								.10		.05	.15	.50	.01					.04				.12			1.14
Alpena	Cheat	T.	.43					.30	.07							.10	.06	.02	.24	.20	.21									.20	.70		2.53
Belington[2]	Tygart		.19				.01		.50							T.	.25	T.	.11		.52				T.	.13	.10	.04	T	.03	.76	T.	2.64
Benson†	West Fork							.30	.05							.23			.17	.52	.10					.08			.10	.05	1.05		2.65
Bens Run	Ohio							.24								.12		T.	.11	.51						T.					1.09		2.07
Big Skin Creek†	West Fork	.05														.11			.06	.65						.13	.02			.02	.85		1.89
Brownsville†	do		.02				.07	.23	.13							.10			.06	.28	.40					.15	.10			.03	.63		2.20
Buckhannon	Tygart	T.	.05				.04	.43	.16							.10				.85						.17	.05		.12	T	.90		2.87
Cairo	Litl.Kanawha						.03		.15	T.						.07			.11	.12	.40						.10				1.80		2.78
Clarksburg[2]	West Fork								.26								.20		.15		.53						.04	.19		01	.84		2.22
Crawford	do		.06					.66	.01							.12	T.		.05	.75					.03	.09	.06	.02	.01	.02	.61		2.49
Creston[2]	Litl.Kanawha							T.	.40								.10		T.		.50				.02	.05		.20			1.00		2.27
Dailey[2]†	Tygart		.40						.40								.17	.03	.07		.80				.01		.20	.08	.11	.05	.27	.08	2.67
Dam 10, Mon. R.[2]†	Monongahela								.19								.06		.07		.33						.10			.10	.86		1.71
Dam 13, O. R.[2]†	Ohio								.08								.11		.44		.37					.08	.08		.01	.03	.65		1.85
Dam 15, Mon. R.[2]†	Monongahela		T.						.12								.09		.14		.33						.07	.05		.20	1.07		2.07
Dam 19, O. R.[2]†	Ohio						.03		.28							T.	.05		.05		.30						.01	.12		T.	.98		1.82
Dam 20, O. R.[2]†	do						.08		.26							T.	.05		.04		.32										.75		1.50
Elizabeth (Dam 3)[2]	Litl.Kanawha						.05		.15	T.						T.	.12		T.		.44					T.	.03	.11		T.	1.60		2.50
Elk†	West Fork							.30	.08							.20			.06	.50											1.07		2.21
Elkins[1]‡	Tygart	.16	.18				T.	.42								.14	.01	.10		.64					T.	.12		.06	.34	.01	.68		2.86
Fairmont[2]	Monongahela		.03						.14								.05		.12		.32					T.	.10		.08	.07	.89		1.80
Glenville[2]	Litl.Kanawha		T.						.53							.11					.69				.05	T.	.03				.72		2.13
Grafton	Tygart		.05						.31							.18	.03		.17		.45					.08		.03	.05	.02	.69	.02	2.08
Hackers Creek†	West Fork							.41								.17				.81						.15				.05	.69		2.28
Hall[2]	Tygart		.08				.01		.54								.09		.08		.57				T.	.06	.09	.05	T.	.02	.71		2.30
Harrison Co. Airport[2]	West Fork		.02						.20								.40		.16		.48				T.			.08			70		2.04
Hastings	Ohio							.20								.05			.13	.14	.18					.06		.03		.06	1.35		2.20
Horuer	West Fork						.10	.10	.60												.10						.12				1.00		2.02
Ireland	do							.32	.44							.24				.62	.02				.04		.20				.48		2.36
Jane Lew	do		T.				.03	.22	.17							.10				.62	.16						.07			.03			1.40
Kumbrabow St. For.†[2]	Tygart							.40	T.							.51	.60	T.	.15	.71	T.				.10	.35		.41	.25	.33	.46		4.27
Lost Creek	West Fork							.31								.20			.09	.41	.24												||||
Manningtou	Monongahela							.13								.07			.18	.29	.04					.05		.06	.02	.04	1.17		2.05
Midvale[2]†	Tygart		.21						.51								.32		.15		.68						.18	.04	.05	.05	.75	T.	2.94
Morgantown	Monongahela	T.					T.	.20	T.							.10		T.	.10	.37		T	T.			.16	.10	.05		.03	1.00		2.11
Mt. Clare	West Fork	T.						.29	T.							.22		.02	.05	.53					.04	.11		.03			.74		2.03
New Cumberland	Ohio							.15	.11							.16		.05		.16						.04				.47			1.14
New Martinsville	do							.19								.04				.32						.05				.14	1.32		2.06
Parkersburg[1]‡	do					T.		.26								.04		.02		.34						T.	.12		T.	.75	.06		1.59
Parsons	Cheat	.34						T.									.73			.57						.20					.73		2.57
Philippi[2]	Tygart		.08				T		.48	T.							.18		.14		.59				.01	T.	.08	.03		T.	.61	T.	2.20
Pickens	do	.07	.10					.55	.05							.30	.03	.03	.01	.68						.36		.10	.02	.02		.05	2.37
Roanoke	West Fork						.12	.20	.09							.12			.09	.54	.16					.07	.08	.02		T.	.95		2.44
Rockford†	do		T.					.26	.02							.19			.15	.68	T				T.	.01	.02	T	T.	.02	.52		1.87
Rowlesburg[2]	Cheat		.13						.46								.22		.13		.33		T.				.08			.09	.52		1.96
Saint Marys[2]	Ohio								.29								.05		.26		.50						.09	.01		.04	1.02		2.26
Salem	West Fork							.19								.10		.14		.50						.05		.03		.40	1.50	T.	2.91
Shinnston	do							.05									.30			.20	.30					.40							1.25
Terra Alta†	Cheat							.85	T.							.15			.12	.10	T.								.10	.15	.70		2.17
Thomas[2]	do		.40	T.					.35								.12		.08		.50						.02			.26	.73	.03	2.49
Valley Chapel	West Fork						.02	.17	.24							.18			.14	.29	.37				T.	.03	.05	.04	.20	.01	.63		2.37
Valley Head[2]	Tygart		.23						.24								.12	.10	.03		.61						.27	.16		T.	.05	.06	1.87
Vandalia†	West Fork		.06					.45		.06									.11	.66						.10				.96			2.40
Wellsburg (near)	Ohio							.08								.13		.02	T.	.14						T.			.13	.24	.22		.96
West Milford	West Fork						.03	.30	.04							.32			.08	.15	.42					.08			.05	15	.68		2.30
Weston[2]	do		T.				.05		.53								.21		.12		.58				.02		.19	.02	T.	.04	.56		2.32
Wheeling (Dam 12)[2]	Ohio						T.		.25							T.	.34		.08	T.	.29					T.	.09	.02		.08	.32		1.47
Southern Division																																	
Arbovale[2]	Greenbrier		.15						.31								.03	.10	T.	.01	.30					.19	.05	.08	.21		.09		1.52
Beckley	New	.05						.19	.11							.09	.19	.08	.05	.11	.07										.14		1.08
Bluefield	New							.14	.10								.46	.01		.16											.11		.98
Camden-on-Gauley[2]	Gauley								.38								.25	.23	.05	.43	.05										.15		1.54
Charleston[2]	Gr. Kanawha								.83								.16		.06	T.	.13					T.	.01			T.	.42		1.61
Clay[2]	Elk		.02				.03		.62								.24	.12	.08	.10	.08						.02	.05			.49		1.85
Flat Top[2]	New								.21								.14	.07	.08		.11										.10	T.	.71
Gary[2]	Big Sandy								.30								.29			.10	.02										.06		.77
Greenbottom[2]†	Ohio								.19								.14	T.	.02	T.	.05					.02	.04				.96		1.42
Hinton[2]	New								.15								.21	T.	.05	T.	.11										.08		.60
Hogsett[2]	Ohio								.15								.06		.03		.11				T.	T.				T.	.95		1.30
Huntington	do							.17								.10				.06	.01					.06		T.		.25	.32		.97
Institute[2]	Gr. Kanawha						T.	.59								.18	.03	.02		.14						T.				.01	.32	T.	1.29
Kanawha Falls[2]†	do							T.	.18							T.	.19		.05		.16					T.					.20		.78
Kayford[2]	do																.46														.05		.51
Lewisburg	Greenbrier		.02					.06	.14								.17	.02		.17	.19												.77
Logan[2]	Guyandot								.44								.07	T.	T.	.03	T.										.22		.76
London Locks[2]†	Gr. Kanawha						T.		.48								.26	T.	.06		.20						.02				.32		1.34
Madison[2]	Coal																																
Marlinton	Greenbrier		.03					.22	.08									.18		.29	.20										.12		1.12
Point Pleasant[2]	Ohio								.15								.07		.03		.09					T.	.02			T.	.45		.81
Princeton[2]	New							.37									.21	.07													.17		.82
Rainelle	Greenbrier							.19	.11	T.						.04	.08	.01	.08	.22	.19					.04					.06		1.02
Ravenswood[2]	Ohio								.12								.15		.08		.27					.05	.02	.02			.94		1.65

Continued on next page.

Daily Precipitation for October 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	....	.01	....	....	....	....	....	.37	....	....	....	....	....	....	....	.21	.08	.05	....	.40	....	....	....	....	....	.10	.12	....	....	.13	....	1.47
Ryan	Gr. Kanawha	....	....	....	....	....	....	.40	....	....	....	....	....	....	....	.16	....	.02	....	.15	....	....	....	....	....	....	....	.06	....	.15	.88	....	1.82
Seneca State Forest†	Greenbrier	....	.20	....	....	....	....	.15	.20	.01	....	....	....	....	....	....	....	....	....	*	.59	....	....	....	....	T.	.05	T.	....	T.	.10	....	1.30
Spencer[2]	Litl.Kanawha	....	....	....	....	....	.06	....	.24	....	....	....	....	....	....	....	.21	....	....	.05	.37	....	....	....	....	.04	.02	.09	....	....	1.00	....	2.08
Sutton	Elk	....	....	....	....	....	.15	.30	.30	....	....	....	....	....	....	.12	....	....	....	.28	.42	....	....	....	....	.12	....	.13	....	....	.80	....	2.62
Thornwood[2]	Greenbrier	.02	.31	....	....	....	....	.27	.18	....	....	....	....	....	....	.06	.08	....	.06	.49	.17	....	....	....	....	.11	.06	.06	.19	....	.23	....	2.29
Union[2]	New	....	....	....	....	....	....	....	.25	....	....	....	....	....	....	....	.20	.04	.02	....	.11	....	....	....	....	....	....	....	....	....	.10	....	.72
Wayne[2]	Twelvepole	....	....	....	....	....	....	....	.30	....	....	....	....	....	....	....	.12	....	....	.02	.02	....	....	....	....	....	.01	....	....	....	.15	....	.62
White Sulp'r Spgs.[2]	Greenbrier	....	.05	....	....	....	....	....	.30	....	....	....	....	....	....	....	.20	.10	....	....	.40	....	....	....	....	....	....	....	....	....	.10	....	1.15
Williamson[2]	Big Sandy	....	....	....	....	....	....	....	.26	....	....	....	....	....	....	....	.03	....	....	.01	.01	....	....	....	....	....	....	....	....	....	.17	....	.48
Winfield Locks[2]†	Gr. Kanawha	....	....	....	....	....	.06	....	.20	....	....	....	....	....	....	....	.26	....	.02	....	.13	....	....	....	....	.01	....	....	....	....	.52	....	1.20

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore: Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for October 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	62	60	63	71	75	78	71	61	60	66	61	70	75	80	64	45	55	45	40	41	40	60	71	75	62	61	67	60	54	60	60	61.7
	Minimum	35	45	36	33	34	36	45	48	25	23	25	27	34	42	43	24	32	38	22	25	25	21	22	35	35	38	35	32	35	37	40	33.1
Beckley	Maximum	60	61	69	72	74	78	72	63	59	66	67	70	75	79	69	46	54	51	49	51	49	67	70	68	73	70	75	75	72	60	67	65.5
	Minimum	46	45	39	35	43	51	57	49	31	29	35	37	43	45	45	38	40	36	28	35	27	30	40	47	46	52	47	47	46	51	31	41.0
Bluefield	Maximum	65	61	68	71	74	78	73	61	59	65	66	72	77	78	75	55	58	55	49	57	57	63	69	72	72	72	76	76	72	64	65	66.9
	Minimum	46	46	46	39	51	55	55	51	35	34	39	41	42	46	53	38	41	38	33	37	35	36	45	44	49	54	50	50	46	54	36	44.0
Buckhannon	Maximum	64	62	67	70	72	77	73	64	59	62	65	69	75	79	78	50	57	53	49	48	49	60	70	72	70	65	73	69	72	70	69	65.5
	Minimum	49	48	40	40	40	55	55	54	34	33	35	39	46	46	48	35	45	41	30	35	23	30	36	50	49	40	44	49	52	54	36	42.3
Charleston[3]	Maximum	69	70	76	78	77	83	64	64	69	66	69	75	81	67	65	50	62	57	52	52	55	66	76	77	70	72	80	80	80	80	70	69.4
	Minimum	48	47	45	48	47	47	42	43	40	41	43	47	49	48	42	43	38	36	40	36	36	37	38	44	50	51	49	50	52	39	42	43.8
Clarksburg[3]	Maximum	63	69	69	74	78	83	74	63	63	68	68	74	79	83	68	55	63	50	44	47	48	63	75	74	67	67	75	76	75	61	66	67.0
	Minimum	48	47	40	42	41	45	58	52	34	34	34	35	37	44	45	36	38	35	27	34	28	29	32	35	45	48	43	45	45	51	35	40.1
Elkins	Maximum	60	61	65	71	75	80	73	61	55	65	66	71	76	82	67	45	56	48	42	47	46	64	73	71	66	65	71	72	73	60	63	64.3
	Minimum	46	46	43	40	41	51	53	38	34	33	35	37	47	44	33	33	41	41	29	31	27	32	32	50	46	42	42	49	48	42	37	40.2
Fairmont[3]	Maximum	64	69	72	75	80	84	74	66	62	68	68	76	82	86	66	66	63	54	41	45	47	64	78	76	68	69	72	70	73	60	67	67.9
	Minimum	50	49	44	43	43	46	45	51	36	36	34	39	47	48	52	35	39	39	29	33	29	31	35	44	46	48	44	41	43	50	38	41.5
Flat Top	Maximum	59	58	64	71	71	74	65	58	56	64	62	66	72	76	64	39	54	48	44	52	52	57	68	69	68	68	74	73	61	61	63	62.3
	Minimum	43	43	38	32	43	51	48	41	31	30	32	41	45	48	38	34	37	25	24	29	24	32	34	50	50	49	47	47	41	34	30	38.4
Gary[3]	Maximum	65	65	70	78	78	81	75	66	63	69	71	73	79	84	66	50	62	55	55	59	60	72	76	75	76	77	81	80	78	66	73	70.3
	Minimum	45	47	41	39	39	53	49	51	39	36	36	38	40	46	47	43	43	34	33	37	38	32	32	38	43	44	46	42	43	48	33	41.1
Glenville	Maximum	74	73	75	80	81	85	83	68	65	73	71	78	84	87	79	61	64	60	55	54	55	70	78	81	77	73	80	80	78	74	72	73.2
	Minimum	49	48	44	44	44	54	58	53	38	36	38	40	43	46	52	38	44	36	31	37	30	34	35	50	48	51	46	48	52	55	36	43.8
Grafton	Maximum	76	70	71	75	79	84	85	74	68	69	72	71	80	87	86	57	59	63	55	47	49	63	72	78	78	70	71	76	75	77	65	71.0
	Minimum	48	46	43	43	41	53	56	53	34	32	33	36	43	46	48	31	42	36	27	33	27	31	33	50	43	50	40	42	48	50	34	41.0
Huntington	Maximum	68	77	77	79	76	88	77	71	69	74	72	81	88	88	78	55	67	64	52	48	57	69	81	82	67	78	86	83	80	69	72	73.3
	Minimum	53	51	46	45	49	55	60	49	39	39	40	45	50	51	55	42	38	36	35	42	33	37	40	51	52	49	48	49	54	53	37	45.9
Lewisburg	Maximum	66	63	71	74	75	81	76	67	64	68	68	72	78	80	70	51	61	52	42	55	59	63	73	75	74	72	77	79	66	66	67	67.9
	Minimum	45	43	41	37	41	48	49	50	31	30	31	36	40	45	49	38	39	36	29	30	29	28	32	46	44	49	46	44	46	47	31	39.7
Logan[3]	Maximum	68	72	77	78	76	86	76	67	67	72	73	79	85	88	64	52	65	62	58	58	65	72	81	78	73	81	86	85	81	68	75	73.2
	Minimum	50	49	47	45	47	51	55	54	44	42	42	45	42	51	52	48	44	38	35	41	37	36	36	43	49	50	50	47	48	53	39	45.5
Madison[3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Mannington	Maximum	61	66	67	70	74	79	76	63	60	65	66	71	78	81	78	54	59	57	49	44	47	59	74	73	65	65	72	67	71	62	63	65.7
	Minimum	46	45	43	43	39	49	58	48	31	30	33	35	39	43	49	29	33	32	24	33	27	30	30	47	39	47	38	39	56	53	34	39.4
Marlinton	Maximum	70	66	71	77	77	83	78	69	66	72	73	77	81	81	79	66	67	68	54	63	62	66	76	78	75	72	77	80	69	67	72	72.0
	Minimum	41	44	37	31	37	46	45	48	32	29	32	34	36	39	42	37	39	40	27	29	25	26	30	36	40	44	41	31	43	46	29	36.6
Martinsburg[3]	Maximum	61	57	75	76	72	75	82	68	65	68	69	77	83	74	72	53	63	58	43	42	50	51	75	80	63	66	52	50	45	58	65	64.1
	Minimum	49	48	45	45	45	46	55	55	40	38	38	39	44	50	52	37	42	43	33	32	29	30	31	32	44	44	38	39	40	37	43	41.4
Morgantown	Maximum	64	68	68	73	77	82	74	64	60	66	69	74	79	83	76	56	60	53	42	45	46	62	74	73	67	65	65	64	68	62	63	65.9
	Minimum	50	50	47	50	46	62	60	53	39	38	38	43	56	59	50	35	42	40	32	34	33	34	40	59	46	50	45	41	48	53	41	45.3
New Martinsville	Maximum	70	70	68	75	75	83	72	66	62	67	69	75	81	85	75	75	62	55	45	47	49	63	75	74	66	67	73	69	70	61	67	68.1
	Minimum	48	47	45	47	46	52	55	48	37	39	39	41	44	45	47	45	35	37	29	33	30	33	33	51	44	48	44	44	49	48	35	42.6
Parkersburg	Maximum	63	68	71	74	78	83	74	64	61	66	69	76	83	84	73	57	61	53	44	47	51	65	76	75	70	67	78	71	76	62	67	68.0
	Minimum	51	50	43	43	45	60	57	47	38	36	38	45	57	53	46	38	34	39	35	35	30	35	43	54	49	52	50	49	53	44	39	44.8
Pickens	Maximum	59	61	68	70	73	75	72	64	56	67	68	71	73	80	69	61	57	50	44	47	51	62	68	71	64	62	69	72	70	62	55	64.2
	Minimum	40	40	36	38	39	48	52	28	26	31	32	38	42	47	40	34	37	35	23	30	20	18	34	46	44	37	37	43	47	29	37	36.4
Point Pleasant	Maximum	69	75	76	79	75	86	69	68	66	73	70	79	85	87	59	57	58	57	46	45	53	65	75	78	66	73	80	75	78	69	65	69.5
	Minimum	49	48	45	43	48	55	63	49	38	37	40	43	50	49	57	39	37	36	34	35	33	32	40	52	49	48	45	48	53	51	37	44.6
Rainelle	Maximum	63	62	67	71	72	79	69	58	60	66	64	70	74	79	71	47	58	51	42	52	54	62	72	73	71	68	74	77	65	60	67	65.1
	Minimum	42	42	35	37	33	45	42	50	31	29	30	33	35	34	43	38	39	37	24	33	26	24	29	35	35	45	40	36	46	45	28	36.2
Richwood[3]	Maximum	68	60	63	71	74	74	69	58	57	65	64	69	73	78	66	44	56	49	45	47	52	54	69	70	78	69	65	73	70	57	62	63.3
	Minimum	39	34	35	35	43	46	47	32	29	31	32	34	42	45	36	38	40	27	32	26	27	30	36	41	42	46	44	44	51	30	31	36.9
Romney	Maximum	62	55	74	69	68	83	83	66	63	65	73	77	80	80	78	56	63	51	72	64	49	56	79	77	73	64	62	56	49	67	68	67.2
	Minimum	49	48	44	43	44	62	54	52	34	33	36	39	44	48	52	31	43	45	48	27	29	27	31	50	42	43	38	37	41	42	44	41.9
Spencer[3]	Maximum	68	68	71	76	77	84	73	65	62	68	68	75	83	84	66	57	62	57	45	51	58	78	78	78	73	72	80	78	78	68	69	70.0
	Minimum	49	50	39	38	40	46	59	49	39	32	33	36	47	47	49	38	36	31	29	36	29	29	51	48	42	45	45	47	50	54	34	41.8
Sutton	Maximum	73	71	72	78	78	84	84	64	64	70	70	75	81	86	86	70	60	60	53	52	53	65	75	75	75	72	79	79	78	77	65	71.8
	Minimum	47	41	44	43	43	54	51	54	38	35	37	38	39	45	50	38	44	36	31	36	29	32	33	47	48	47	48	46	52	51	34	42.3
Wardensville[3]	Maximum	60	55	72	74	70	84	79	66	62	66	71	75	81	76	72	45	63	53	42	41	54	55	77	77	58	68	62	53	47	68	66	64.3
	Minimum	42	46	41	39	41	44	51	53	33	30	31	36	40	45	49	35	40	41	26	31	25	27	28	32	41	44	36	33	35	41	41	38.0
Weston	Maximum	65	69	75	78	80	85	80	68	64	70	70	78	83	88	77	60	65	58	41	52	51	69	78	78	70	72	77	74	79	77	60	70.7
	Minimum	49	52	49	42	41	56	59	54	36	35	35	39	46	46	48	35	44	35	30	36	29	33	36	52	50	50	54	46	51	51	36	43.7
Wheeling[3]	Maximum	61	71	71	76	77	85	71	65	64	67	67	74	81	83	58	57	62	52	43	46	52	62	75	71	65	62	66	62	65	61	65	65.7
	Minimum	49	48	47	48	46	48	64	43	39	40	40	42	46	47	48	35	36	38	31	33	33	31	32	49	44	46	44	41	43	47	40	42.5
Williamson[3]	Maximum	69	71	75	78	79	84	71	67	67	70	69	78	82	85	64	53	63	59	52	58	63	70	77	78	79	79	84	82	80	68	72	71.8
	Minimum	51	51	48	47	49	57	53	54	45	42	44	47	49	52	53	48	43	38	37	42	38	36	38	44	51	50	51	49	49	50	39	46.6

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.065	.052	.078	.058	.036	.068	.089	.072	.110	.047	.041	.038	.046	.070	.095	.036	.049	.067	.048	.018	.022	.011	.021	.041	.070	.032	.063	.063	.076	.040	.098	1.730
	Wind movement	30	30	29	9	5	13	20	35	31	25	6	12	18	29	30	38	13	51	40	16	12	25	13	10	48	10	7	15	27	8	60	715
Wardensville	Evaporation	.092	.066	.091	.076	.095	.087	.107	.129	.089	.121	.079	.080	.103	.136	.109	.086	.018	.125	.083	.018	.002	.053	.058	.067	.112	029	.084	.058	.041	.007	.086	2.387
	Wind movement	23	48	23	29	13	21	33	43	20	30	17	20	17	34	41	18	52	50	50	54	19	41	23	34	29	20	28	41	42	40	37	990

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 12-12-40—900)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., NOVEMBER 1940 No. 11

GENERAL SUMMARY

The month was somewhat above normal in precipitation, and the rains and snows were quite well distributed throughout the month, both as to amounts and as to days. Heavy rains of from one to slightly over two inches fell at most stations on the 1st and 2d. Snows of the 15-16th blanketed practically the entire state, with depths up to 6.5 inches being reported. In most cases the snow disappeared in about four days. Another snowfall of less than three inches occurred on the 27-28th, with some sleet reported from the mountain sections.

The average temperature for the state was exactly normal. The northeastern panhandle, the central, and the southwestern sections were generally above normal in temperature. No zero temperatures were recorded. The cold periods were on the 9th, 15-16th, 17-19th, and the 28-29th. The warm periods were from the 1st-5th, 11th, and the 20-24th.

Winter grains and pastures improved during the month, while outdoor activities were hampered by inclement weather much of the time.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 64 stations, was 43.2°, or exactly normal. The mean for the northeastern panhandle division was 43.3°; for the northern division, 42.9°; and for the southern division, 43.5°. The highest monthly mean was 48.2° at Huntington and the lowest, 35.4° at Bayard. The highest temperature was 80° at Huntington and Institute on the 4th and the lowest, 4° at Seneca State Forest on the 29th. The greatest daily range was 54° at McNeill on the 4th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 122 stations, was 3.27 inches, or 0.53 inch above the normal. In the northeastern panhandle division the average was 3.72 inches; in the northern division, 3.69 inches; and in the southern division, 2.50 inches. The greatest monthly precipitation was 6.38 inches at Kearneysville, and the least 1.20 inches at Kanawha Falls. The greatest amount in any 24 consecutive hours was 2.25 inches at Shinnston on the 1st. The average monthly snowfall was 3.8 inches, or 1.3 inches above normal. The greatest monthly snowfall was 12.0 inches at Alpena. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	1	4	8	1	..	..	1	9	..	..	..	..	3	2	1	..	6	11	2	1	4	24	7	1	3	2	..	1	2	..
Frost, killing	..	..	..	2	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	..	1	..	1	5	3	2	..	..	8	1	..	1	..	..	..	1	..	..	..	..	..	..	..	1	2	..	..	..	..
Hail	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	3	1	1	2	2	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	13	6	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.18	30.47	19	29.53	11	9.1	33	sw.	11	81	58	62	41
Columbus, Ohio	30.15	30.48	18	29.53	11	11.6	53	sw.	11	82	63	71	36
Elkins	30.18	30.61	19	29.70	27	7.2	28	se.	11	80	62	72	35
Parkersburg	30.16	30.52	19	29.67	27	7.3	25	se.	11	78	58	67	34
Pittsburgh, Pa	30.13	30.55	18	29.63	27	12.4	34	nw.	6	75	64	71	24
Wytheville, Va	30.19	30.61	19	29.72	27	7.5	25	w.	29	78	....	66	48

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	......	......	......
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	......	......	......	......
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	......	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	......	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	**37.3**	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	**5.99**	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	**−14**	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	**51.3**	**88**	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	**88**	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	**88**	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
Period	43.2	88	−14	2.17	2.96	2.67	2.74	2.5	9	11	6	13

Climatological Data for November 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	35.4	−3.7	70	4	15	§19	44	3.08	+0.08	0.83	7.0	12	10	4	16	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	42.0	.0	72	§4	12	9	42	2.94	+1.16	.80	3.0	7	19	1	10	n.	E. L. Keister
Harpers Ferry	Jefferson	400	51	...	...	...	...	...	...	...	5.24	+3.05	1.45	T.	8	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	8	44.8	...	75	§4	21	26	37	5.50	...	1.47	...	10	14	5	11	w.	H. W. Prettyman
Kearneysville	Jefferson	548	10	44.9	...	74	§4	20	26	42	6.38	...	1.60	...	10	7	12	11	n.	University Exper. Station
Martinsburg	Berkeley	435	48	44.6	+1.4	75	4	23	26	40	5.91	+3.66	1.60	...	9	16	12	2	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	44	43.5	+1.2	79	§4	13	9	54	4.16	+2.61	1.27	T.	6	5	12	13	w.	R. E. Saville
Piedmont	Mineral	1,053	27	42.6	+.4	75	4	21	26	32	3.82	+1.93	1.10	3.0	11	6	8	16	w.	C. A. Suter, Jr.
Romney	Hampshire	824	42	46.2	+3.1	76	5	22	§9	43	‖‖	...	‖‖	.8	‖‖	12	6	12	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8	...	...	...	...	...	...	...	2.46	...	.47	9.0	10	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	20	...	...	...	...	...	...	...	3.28	+.33	1.05	7.0	9	4	8	18	w.	A. C. Becker
Wardensville	Hardy	1,200	19	42.6	−1.3	71	§5	19	26	38	4.16	+2.53	1.15	...	8	8	11	11	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16	...	...	...	...	...	...	...	3.81	+.47	.72	4.0	13	6	8	16	...	L. Esle Bond
Alma (near)	Tyler	800	13	...	...	...	...	...	...	...	4.99	+1.96	2.24	6.5	13	8	6	16	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	38.2	...	70	4	10	§28	47	4.55	...	.88	12.0	13	6	13	11	...	Christian Hertig
Benson	Harrison	1,080	16	43.6	+.5	75	4	16	9	45	3.84	+.35	.72	5.0	15	5	9	16	...	R. D. Marts
Bens Run	Pleasants	652	38	43.2	−.9	68	11	20	16	30	4.52	+1.63	1.20	7.5	10	15	5	10	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	44.0	−.6	69	11	18	9	38	3.98	+.31	.71	1.5	14	9	7	14	...	M. D. Hawkins
Buckhannon	Upshur	1,411	43	43.8	+1.6	70	4	20	9	35	3.73	+.63	.70	6.0	14	10	9	11	...	H. A. Darnall
Cairo	Ritchie	680	39	44.1	+.4	74	5	17	§9	43	3.34	+.46	1.00	2.0	10	7	14	9	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	41.8	−1.0	74	4	20	§9	42	3.33	+.14	1.00	2.0	12	7	5	18	...	Clarksburg Water Board
Crawford	Lewis	1,107	17	...	...	...	...	...	...	...	3.10	−.54	.56	3.3	13	6	8	16	w.	George W. Blair
Creston	Wirt	640	38	45.0	+.8	78	4	19	9	47	3.35	+.60	.80	4.6	10	8	6	16	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19	...	...	...	...	...	...	...	3.63	+.48	1.20	1.0	12	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	24	...	...	...	...	...	...	...	3.59	+1.21	1.27	2.6	11	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	19	...	...	...	...	...	...	...	4.06	+.77	1.33	2.0	11	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	24	...	...	...	...	...	...	...	3.66	+1.02	1.04	6.0	11	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	24	...	...	...	...	...	...	...	3.09	+.49	.91	6.3	12	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28	...	...	...	...	...	...	...	3.47	+.93	.75	6.0	10	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	39	41.4	+1.1	73	4	17	28	42	3.28	+.50	.93	7.3	14	4	7	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	42.6	−.3	75	4	23	§16	41	4.13	+1.37	1.35	3.3	13	8	3	19	s.	J. C. Robinson
Glenville	Gilmer	738	46	46.4	+2.1	78	4	19	9	46	3.73	+.68	1.06	2.2	12	2	13	15	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	44.8	+1.7	77	5	21	9	44	3.91	+1.48	1.09	1.2	12	12	3	15	...	L. W. Clayton
Hastings	Wetzel	809	5	...	...	...	...	...	...	...	4.36	...	.72	3.5	14	8	6	16	w.	L. G. McIntyre
Horner	Lewis	1,044	17	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	17	...	...	...	...	...	...	...	3.72	+.40	.68	1.4	15	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	...	...	...	...	...	...	...	‖‖	‖‖	‖‖	...	...	...	...	...	...	Chas. H. Washburn
Mannington	Marion	974	37	41.8	−.2	72	4	19	§9	42	4.60	+1.56	.84	3.7	17	8	5	17	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bruce Davis
New Cumberland	Hancock	671	32	43.0	+1.4	73	4	20	16	36	3.67	+1.35	1.19	.1	14	8	1	21	nw.	C. O. Valentine
New Martinsville	Wetzel	637	46	43.3	−1.5	74	4	20	16	42	3.93	+1.09	1.12	5.7	10	8	3	19	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	53	44.0	+.2	75	4	21	16	34	3.87	+1.30	1.24	7.1	12	8	7	15	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	44.4	+3.2	75	4	18	29	45	3.52	+.59	1.00	11.5	8	5	10	15	...	J. W. Swisher
Philippi	Barbour	1,300	43	...	...	...	...	...	...	...	3.43	+.50	.91	4.7	14	...	...	...	...	Mrs. Maxine Leach
Pickens	Randolph	2,760	37	38.2	−2.2	71	4	9	16	42	4.48	+.26	1.41	11.5	14	8	9	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17	...	...	...	...	...	...	...	2.83	−.54	.60	2.2	11	5	4	21	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52	...	...	...	...	...	...	...	3.79	+.24	1.25	2.5	11	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	625	32	...	...	...	...	...	...	...	4.18	+1.38	.92	6.0	12	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	39	38.4	−2.2	68	4	15	28	38	4.86	+1.66	1.15	9.5	12	3	9	18	w.	John Dee Williston
Thomas	Tucker	3,000	11	...	...	...	...	...	...	...	3.61	+.62	.90	7.0	11	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	17	45.4	+.4	77	4	18	16	45	3.89	+.62	.70	2.0	13	7	11	12	w.	S. A. Spence
Vandalia	Lewis	1,120	17	...	...	...	...	...	...	...	3.24	−.14	.66	4.0	8	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	33	41.2	−.6	72	4	19	16	44	4.28	+1.71	1.28	T.	11	5	6	19	...	George P. Pfister
West Milford	Harrison	979	15	...	...	...	...	...	...	...	3.59	−.02	.80	3.0	16	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	45	45.7	+1.7	78	4	20	9	44	3.75	+.81	1.19	3.5	12	2	17	11	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	41.5	−.7	71	4	23	§16	33	3.75	+1.32	1.29	2.5	11	5	7	18	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	14	...	...	...	...	...	...	...	1.97	−1.11	.98	5.5	7	10	5	15	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	42.6	−.7	74	4	18	§9	40	2.20	−.39	.57	3.0	14	10	8	12	...	L. A. Mauck
Bluefield	Mercer	2,558	45	44.6	−.3	72	4	18	16	34	1.91	−.14	.45	1.5	11	13	5	12	...	Norfolk & Western Ry.
Charleston	Kanawha	602	37	45.4	−2.5	76	4	24	16	44	2.67	−.40	.79	2.0	11	...	...	...	...	Charleston Daily Mail
Clay	Clay	790	24	...	...	...	...	...	...	...	2.46	−.44	.81	.8	12	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,270	2	39.0	...	71	4	15	§15	39	2.68	...	1.28	3.8	12	7	8	15	nw.	U. S. Airway Station
Gary	McDowell	1,426	24	44.3	−.7	77	4	20	9	47	1.31	−1.39	.57	.2	9	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	44.6	...	75	4	14	16	36	3.36	...	1.31	3.0	14	6	7	17	sw.	State Forest Nursery
Hinton	Summers	1,431	43	44.8	+.7	78	4	21	29	46	2.28	−.13	1.22	T.	11	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	24	...	...	...	...	...	...	...	3.16	+.48	.68	3.8	14	...	...	...	...	Lockmaster
Huntington	Cabell	571	43	48.2	+3.9	80	4	21	16	40	2.70	+.18	1.10	5.4	10	8	10	12	sw.	H. N. Robinson
Institute	Kanawha	606	2	45.8	...	80	4	20	16	44	2.48	...	.71	2.0	10	...	...	...	...	Civil Aero. Administration
Kanawha Falls	Fayette	618	21	...	...	...	...	...	...	...	1.20	−1.93	.30	1.0	5	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	24	...	...	...	...	...	...	...	2.15	−1.00	.87	6.0	11	...	...	...	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	42.6	+.7	73	4	18	29	42	2.72	+.24	.73	1.0	13	11	1	18	...	J. K. Monroe
Logan	Logan	700	37	46.5	−.8	79	4	25	§9	43	2.35	−.88	.80	5.0	11	6	8	16	...	Paul A. Simonds
London Locks	Kanawha	623	4	45.8	...	78	4	25	9	10	2.06	...	.86	1.5	9	6	4	20	n.	Lockmaster
Madison	Boone	675	19	42.6	−.9	70	1	21	9	42	2.13	−.52	.74	3.5	8	5	22	3	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	40	44.0	+6.4	74	4	14	§9	50	3.77	+.83	.90	4.5	11	5	12	13	n.	Edward A. Moore
Point Pleasant	Mason	595	41	45.2	−.1	74	4	19	16	37	3.96	+1.13	1.00	4.5	10	11	4	15	nw.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	40.6	...	72	4	12	29	47	3.27	...	.92	3.0	17	5	7	18	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	46.2	+.5	78	4	19	§15	42	3.54	+.82	.78	5.5	11	8	2	20	sw.	Lockmaster
Richwood	Nicholas	2,193	10	38.8	...	71	4	15	28	42	2.88	...	.82	7.7	17	4	12	14	se.	Cherry River Paper Co.
Ryan	Roane	700	37	40.5	−2.9	70	§3	11	18	42	2.55	−.32	.71	3.5	9	11	7	12	...	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	41.0	...	77	3	4	29	53	4.15	...	.67	3.0	11	10	7	13	ne.	Supt., State Forest
Spencer	Roane	789	36	44.4	+.3	79	11	19	9	43	2.90	+.23	.75	5.5	11	5	9	16	...	A. M. McKown
Sutton	Braxton	850	34	44.9	+.9	74	§4	19	9	43	3.45	+.25	.70	6.0	15	...	...	...	...	C. B. Eakle
Union	Monroe	2,200	36	40.7	−1.7	74	4	13	9	48	2.04	−.30	.95	...	8	6	11	13	...	C. B. King
Wayne	Wayne	598	13	...	...	...	...	...	...	...	2.46	−.60	.52	4.6	13	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	41.6	−.5	75	4	13	9	50	2.85	+.57	1.25	.5	7	15	5	10	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	40	46.7	+1.1	78	4	25	16	40	2.44	−.38	.75	3.0	12	9	6	15	se.	J. E. Dotson
Winfield Locks	Putnam	571	2	45.2	...	77	4	22	17	38	2.14	...	.68	2.2	10	11	3	16	nw.	Lockmaster
State averages and extremes		...	...	**43.2**	**0.0**	**80**	**4**	**4**	**29**	**54**	**3.27**	**+.53**	**2.25**	**3.8**	**11**	**8**	**8**	**14**	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. ‖‖ Incomplete.

Daily Precipitation for November 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		.80	.03			.17					T.	.25		.05	.37	.03	T.						T.	.30	.05		.83	.18	.02			3.08
Brandywine	do	.15	.65								T.	T.	.40	T.	.64	.50									T.		.20	.40					2.94
Brushy Run[2]	do		.59				.03				T.		.03		.12	.79									.02	T.		.69	T.				2.27
Harpers Ferry[2]	do		1.42										.34	.03	.45	1.45									.20	.10		1.25					5.24
Inwood	do	.27	1.20									.30	.32	.50	.53	.85									.28		.02	1.23					5.50
Kearneysville	do	.30	1.28									.24	.50	.07	1.60	.84									.30		.45	.80					6.38
Knobly Mountain[2]†	do		1.00	.03			T.	T.					.25		.15	.42	T.	T.							.35			.50					2.70
Martinsburg[2]	do	T.	1.60				.10				T.		.75	.02	.60	1.22									.30	.10		1.22					5.91
McNeill	do	.33	.53									T.	.30	T.	.98										1.27		.75	T.	T.		T.		4.16
Petersburg	do	.26	.41				.02						.12		.45	.36	.02								.19		.18	.48	.01				2.50
Piedmont	do	1.10	.40		.07		.06		T.			.12	.08		.19	.35									.35		.29	.81					3.82
Romney	do												.31		.52										.79		.08						||||
Spruce Knob[2]†	do		.47				.17						.19		.14	.37	.03							T.	.34	.08		.36	.31	T.			2.46
Stony River Dam[2]†	do		1.05				.10						.21		.05	.40								.07	.30	.10		1.00					3.28
Wardensville[2]	do		.98				.09						.42	T.	.45	1.15									.18	.03	T.	.86					4.16
Northern Division																																	
Aberdeen†	West Fork	.43	.57				.32				.09	.11	.24		.02	.19	.15						T.	T.	.68	T.	.19	.72	.10	T.			3.81
Alma (near)	Ohio	2.24	.23			.06	.15				.09	.42				.33	.06								.40		.92	.06	.02	.01			4.99
Alpena	Cheat	.33	.65				.31					.05	.14		.08	.30	.10	T.					.30		.66		.09	.88	.60				4.55
Belington[2]	Tygart		.81	T.			.10	T				.03	.19		.03	.30	.08	.02					T.	.05	.32	.33		.99	.17	.01	T		3.43
Benson†	West Fork	.72	.45				.15				.02	.30	.15			.08	.11						.05	.02	.58		.50	.55	.10	.06			3.84
Bens Run	Ohio	1.20	.14			.08	T.				.16	.78				.64								T.	.48		.77	.16		.11			4.52
Big Skin Creek†	West Fork	.57	.36			.06					.10	.20			T.	.27	.18						.03	.02	.65		.61	.08	.05				3.18
Brownsville†	do	.40	.71				.10				.15	.15	.25		.50	.12								.05	.70		.23	.55	.03	.04			3.98
Buckhannon	Tygart	.60	.38			T.	.10				.15	.12			.15	.22	.02						.15	T.	.70		.27	.65	.09	.13			3.73
Cairo	Litl.Kanawha	.60	.40								.10	.60	.04			.19	.16								.45		.45	.35					3.34
Clarksburg[2]	West Fork		1.00	T.			.09					.20	.13		.06	.06	.09							.02	.60	.02		1.00	T.		.06		3.33
Crawford	do	.42	.50				.14				.06	.10	.16		T.	.14	.07							.15	.56		.43	.28	.09	T.			3.10
Creston[2]	Litl.Kanawha	.30	.80				.15					.50	.10			.12	.03						T.	.05	.65			.65	T.	T.			3.35
Dailey[2]†	Tygart	T.	.61				.13						.22		.02	.45	.03	.01					T.	.04	.12	.26		.69	.12	T.	T.		2.70
Dam 10, Mon. R.[2]†	Monongahela		.88				.28	.01				.13	.23		.05	.17	.09							T.	.56	.01		1.20	.02		T.		3.63
Dam 13, O. R.[2]†	Ohio		1.27				.13	.02				.33	.23			.17									.26			1.10	.04	.02	.02		3.59
Dam 15, Mon. R.[2]†	Monongahela		.90				.23					.20	.21		.05	.14	.12							T.	.75	.06		1.33	.07	T.	T.		4.06
Dam 19, O. R.[2]†	Ohio	.27	1.04				.17				T.	.60	.13		T.	.12	.10						.01	.02	.32			.88	T.	T.	T.		3.66
Dam 20, O. R.[2]†	do	.35	.65				.12				T.	.40	.05			.10	.10	T.					T.		.32	.06		.91	.01	.02	T		3.09
Elizabeth (Dam 3)[2]	Litl.Kanawha	.24	.75				.05	T.				.60	.12			.20	.40						T.	T.	.38	.07		.66					3.47
Elk†	West Fork	.20	.40				.34					.23			.30									.33	.47		.80		.10				3.17
Elkins[1]‡	Tygart	.69	.03			.22	T.				T.	.04	.04	T.	.33	.12	.05	.01					.08	T.	.50	T.	.74	.32	.11	T.	T.		3.28
Fairmont[2]	Monongahela		.95	T.			25	.02				.24	.23			.07	.11	T.					.12	.02	.71			1.35	.03	T.	.03		4.13
Glenville[2]	Litl.Kanawha	.12	.94				.14					.47	T.			.22	.30						.14	.08	.55			.51	.22	.04			3.73
Grafton	Tygart		1.09				.14					.26	.16		.06	.23	.04						.02		.71		.27	.83	.10				3.91
Hackers Creek†	West Fork	.51	.57				.23				.10	.11			.08	.10							.05		.61		.98	T.		T.			3.34
Hall[2]	Tygart		.93				.21					.11	.20		.11	.14	.12	T.					.02	.02	.37	.30		.82	.10	T.	T.		3.45
Harrison Co. Airport[2]	West Fork		1.01				.10					.18	.19		T.	.08	.12							T.	.56	.04		.93	.06		.02		3.29
Hastings	Ohio	.69	.58				.08				.01	.59				.37	.10						.05	T.	.56		.46	.72	.04	.06	.05		4.36
Horner	West Fork												.62			.17	.10						.05	.02	.30		.50	.60			.21		||||
Ireland	do	.32	.64			.01	.24				.26	.20				.21	.07						.04		.12		.67	.64	.08	.04			3.54
Jane Lew	do	.61	.56				.34				.05	.15	.16		.01	.04	.04						.04	.01	.68	T	.50	.38	.15	T.			3.72
Kumbrabow St. For.†	[2]Tygart	.81	.89				.31						T.		.30	.20	.10							.10	.57			.98		.20			4.46
Lost Creek	West Fork																						.01	.02	.55	T.	.64	.24	.04		T.		||||
Mannington	Monongahela	.69	.45	.02			.40				.09	.40	.09			.20	.08					T.	.03	.02	.72		.84	.46	.06	.04	.01		4.60
Midvale[2]†	Tygart		.84				.08						.36		.05	T	.32	T.						.03	.31	.31		.98	.14	T.			3.42
Morgantown	Monongahela																																
Mt. Clare	West Fork	.61	.44				.13				.09	.24	.12		.05	.09	.02	T.					T.	.02	.64		.66	.13	.04	.01	T.		3.29
New Cumberland	Ohio	1.19				.15	.06					.51			.06	.13					.02			.18	.14		1.04	.08	.02	.05	.04		3.67
New Martinsville	do	1.10	.18								.04	.75				.31								.06	.30		1.12	T.	.03	.04	T.		3.93
Parkersburg[1]‡	do	1.24				.16	T.				.20	.51			.05	.61		T.					.03	.11	.19		.73	.01	T.	.03	T.		3.87
Parsons	Cheat	.74	.50								T.				*	.15	.50	T.					.13		1.00			.50			T		3.52
Philippi[2]	Tygart		.91	.01			.33	.01				.15	.18		.07	.13	.07	T.					T.	.01	.39	.25		.82	.10	T.	T		3.43
Pickens	do	.96	.45			T.	.18				T.	.10	.14		.10	.30	.20						.14		.69	.02	.55	.15	.50				4.48
Roanoke	West Fork	.49	.48				.09				.08	.15			.16	.12		T.					.02	T.	.60		.54	.10	T.				2.83
Rockford†	do	.70	.42			T.	.24				.02	.18	.19			.11							.01	.02			.65	.18	.04	T.			2.76
Rowlesburg[2]	Cheat		1.25	T.			.20	T.				.06	.12		.07	.29	.03							T.	.52	.13		.96	.16	T			3.79
Saint Marys[2]	Ohio	.18	.92				.20					.62	.17			.25	.36						.03		.44	.84			.10	.07			4.18
Salem	West Fork	1.00	.22				.20				.10	.42	.15			.10							.02	.03	.60		.96	.15	T.	.04			3.99
Shinnston	do	2.25	.40			T.	.80				.10	.28	.15			.20							T.	T.	.10		1.74	T					6.02
Terra Alta†	Cheat	1.15	T.				.40		T.		.10	.30		.10	.20	.35							.10		.84		1.05	.05	.22	T.			4.86
Thomas[2]	do		.90				.16						.25		.02	.45	.08						T.	.02		.63		.83	.19	.08			3.61
Valley Chapel	West Fork	.45	.68				.40					.22	.24		.03	.15							.04	.02	.70		.26	.55	.15				3.89
Valley Head[2]	Tygart		.86				.31					T.	.28	T.	.06	.38	.06	T.					.03	.02	.09	.10		.45	.17	.02	T.		2.83
Vandalia†	West Fork	.52	.44				.29					.17				.36									.66		.31	.49					3.24
Wellsburg (near)	Ohio	.75	.50			.36	.20					.49				.25	T.								.30		1.10	.18	T.	.10	.05		4.28
West Milford	West Fork	.50	.30				.10				.10	.20	.21		.08	.10	.12						.05	.05	.58		.60	.42	.10	.08			3.59
Weston[2]	do		1.19				.18					.22	.34		.02	.05	.20						T.	.04	.32	.42		.62	.15	T.			3.75
Wheeling (Dam 12)[2]	Ohio	T.	1.29				.22	T.			T.	.33	.17			.10	.13					T.	T.		.24	.01		1.23	.01	T.	.02		3.75
Southern Division																																	
Arbovale[2]	Greenbrier		.98				.10						.39			.15		T.						T.	T.	.10		.05		.20	T.		1.97
Beckley	New	.57	.18			.11	.14				.04	.07			.06	.15	.15						.07	.04	.20		.27	.15	T.				2.20
Bluefield	New	.23	.45			.07	.11					.02	.20	.05	.08	.05	.15		T.					.07		.17	.08	.18					1.91
Camden-on-Ganley[2]	Ganley		.87				.27					.01	.08			.08	.18							.08	.18	.10	.02	.27	.06	.02			2.22
Charleston[2]	Gr. Kanawha	.10	.79				.24					.28	.14			.14	.22						T.	T.		.43	.01	.30	.02	T.			2.67
Clay[2]	Elk	.04	.81				.29					.11	.29			.02	.19	T.						.04	.29	.06		.31	.01	T.			2.46
Flat Top[2]	New		1.28				.26					.04	T.	.04	.12	T.	.08	.04						.02	T.	.36		.28	.14	.02			2.68
Gary[2]	Big Sandy	.11	.57				.24					.02				T	.02								.03	.11	.01	.20	T.				1.31
Greenbottom[2]†	Ohio	.75	.56	.03			.05					.39	.04			.12	.14						.02	.04	.31		.02	.87	T.		.02		3.36
Hinton[2]	New	.03	1.19				.30					.02	.12		.13	.04	.03							T.	.03			.37	.02	T.			2.28
Hogsett[2]	Ohio	.45	.68				.15					.39	.08			.07	.15						T.	.16	.30	.02	.01	.64	.04	.02	T.		3.16
Huntington	do	1.10				.05	T.				.05	.34				.31	.01						T.	.01	.23		.57	.03	T.				2.70
Institute[2]	Gr. Kanawha	.71				.30					.09	.26			.12	.22	T.						T.	.01	.40		.36	.01	T.		T.		2.48
Kanawha Falls[2]†	do	T.	.80				T.					T.	.05			T.	.10							T.	.10	T.	T.	.15	T.				1.20
Kayford[2]	do		.87				.09						.13		.08	.20								.02	.28	.16	.14	.14	.04				2.15
Lewisburg	Greenbrier	.73	.57			.07	.15				.01	.13	.18	.03	.30	.07	T.						T.		.03		.30	.15	T.				2.72
Logan[2]	Guyandot	.13	.80				.03				T.	.15	.18			.16	.13						T.	T.	.20	.16	T.	.38	.03	T.			2.35
London Locks[2]†	Gr. Kanawha	T.	.86									.15	.18		.02	.08	.08								.15	.29	T.	.25	T.	T.			2.06
Madison[2]	Coal		.74				.10						*			*	.60								*			*	.69				2.13
Marlinton	Greenbrier	.83	.90	.16		.02	.04								.80	.17									.06		.50	.20	.09				3.77
Point Pleasant[2]	Ohio	.50	.62				.17					.51	.08			.20	.18						.20		.50		T.	1.00	T.	T.			3.96
Princeton[2]	New		.57				.12					T.	.16		.18	.05	.02	T.								.07		.19	.11				1.47
Rainelle	Greenbrier	.65	.92			.07	.11				.03	.16	.15		.13	.07	.09						.05	.03	.12	.02	.12	.45	.10				3.27
Ravenswood[2]	Ohio	.36	.64				.08					.40	.10			.06	.40						.05	T.	.57	.10	T.	.78			T.		3.54

Continued on next page.

Daily Precipitation for November 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	.02	.80	.02	....	....	.10	....	....	....	....	.05	.25	....	.11	.18	.19	.02	....	....	....	....	....	.09	.15	.27	.03	.28	.25	.07	....	....	2.88
Ryan	Gr. Kanawha	.71	....	....	....	.15	....	....	....	....	T.	.25	.08	....	....	.35	....	....	....	....	....	....	.15	....	.45	....	.30	.11	....	....	....	....	2.55
Seneca State Forest†	Greenbrier	.59	.60	....	...	T.	.19	....	....	....	T.	.25	.26	....	.33	.43	....	....	....	....	....	....	T.	....	.16	....	.16	.51	.67	....	....	....	4.15
Spencer[2]	Litl.Kanawha	.19	.75	....	....	....	.06	....	....	....	....	.32	.09	....	....	.06	.25	....	....	....	....	....	T.	.09	.54	....	....	.50	T.	T.	.05	....	2.90
Sutton	Elk	.33	.70	....	....	....	.27	....	....	....	.05	.10	....	....	.35	.10	.05	....	....	....	....	....	.08	.05	.55	....	.10	.42	.20	....	.10	....	3.45
Thornwood[2]	Greenbrier	.40	.48	....	....	....	.25	....	....	....	....	.15	....	....	.30	.10	.05	....	....	....	....	....	....	....	.27	....	....	....	.40	....	....	....	2.40
Union[2]	New	....	.95	....	....	....	.25	....	....	....	.07	....	.07	....	.12	....	.10	....	....	....	....	....	....	....	....	.03	....	.45	....	....	....	....	2.04
Wayne[2]	Twelvepole	.20	.52	....	....	....	.08	....	....	....	....	.30	.15	....	....	.16	.14	....	....	....	....	....	.06	.04	.24	.06	.04	.47	....	....	....	....	2.46
White Sulp'r Spgs.[2]	Greenbrier	....	1.25	....	....	....	.10	....	....	....	....	....	.35	....	.25	.05	T.	....	....	....	....	....	....	....	....	.30	....	.55	....	....	....	....	2.85
Williamson[2]	Big Sandy	.15	.60	....	....	....	.37	....	....	....	....	.20	.10	....	....	.10	.13	....	....	....	....	....	....	.05	.20	.10	....	.42	.02	....	....	....	2.44
Winfield Locks[2]†	Gr. Kanawha	.18	.50	....	....	....	T.	....	....	....	....	.28	.10	....	....	.10	.12	....	....	....	....	....	T.	.02	.23	.07	T.	.54	T.	....	T.	....	2.14

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.

T. Trace, or less than .01 inch. ||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for November 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	50	56	57	70	64	37	40	30	53	62	62	46	45	34	25	30	32	30	47	45	55	53	49	46	27	36	38	27	30	40	....	43.9
	Minimum	30	40	41	29	29	33	28	26	16	18	30	35	20	32	25	18	18	28	15	16	40	40	38	38	27	20	20	18	15	23	....	26.9
Beckley	Maximum	57	58	65	74	64	56	47	44	58	60	63	62	50	42	29	35	46	52	60	55	66	61	52	57	47	37	31	32	44	57	....	52.0
	Minimum	47	45	43	35	47	36	30	30	18	42	49	39	25	29	19	18	24	24	27	35	35	52	43	46	30	31	28	22	19	27	....	33.2
Bluefield	Maximum	65	57	66	72	68	57	44	43	57	60	62	62	46	40	36	27	46	50	58	59	65	64	63	63	51	44	49	30	47	58	....	53.6
	Minimum	50	46	38	38	55	37	32	31	23	42	46	41	32	33	20	18	26	26	36	38	41	48	50	44	34	31	29	23	23	33	....	35.5
Brandywine	Maximum	55	61	65	72	62	51	52	44	50	61	63	60	44	42	40	37	46	54	56	64	68	72	65	60	51	44	40	45	50	52	....	54.2
	Minimum	32	42	37	30	27	30	29	26	12	34	45	42	30	35	27	24	22	29	18	31	35	44	32	46	23	25	24	18	22	24	....	29.8
Buckhannon	Maximum	58	60	60	70	66	63	45	40	40	63	66	67	50	50	40	30	40	47	39	59	67	61	59	67	40	50	60	38	48	57	....	53.3
	Minimum	40	49	38	35	48	40	34	31	20	40	50	45	29	35	25	24	27	26	23	32	40	50	45	42	34	28	34	23	22	23	....	34.4
Cairo	Maximum	70	66	66	71	74	65	49	48	54	58	71	71	54	54	36	34	38	55	64	65	70	70	67	52	47	46	47	35	50	51	....	56.6
	Minimum	41	45	32	30	33	40	30	20	17	37	49	35	25	32	26	17	30	22	21	32	40	45	37	45	32	26	33	26	25	25	....	31.6
Charleston[3]	Maximum	62	65	69	76	70	49	50	52	47	65	73	65	52	50	36	30	50	55	59	65	63	75	65	63	52	45	51	39	41	46	....	56.0
	Minimum	49	48	49	42	41	38	33	34	26	29	29	32	33	31	26	24	25	25	30	35	41	43	49	30	37	37	34	36	33	33	....	34.8
Clarksburg[3]	Maximum	58	62	64	74	67	44	46	38	51	60	70	52	54	38	31	38	42	51	62	62	69	63	56	52	41	47	41	35	48	59	....	52.5
	Minimum	35	49	36	32	32	43	32	25	20	20	41	40	25	32	28	25	24	24	22	22	38	44	40	40	34	28	33	24	22	25	....	31.2
Elkins	Maximum	56	58	60	73	66	44	43	34	53	61	65	64	50	43	30	30	40	48	62	60	66	62	58	52	39	42	45	26	47	55	....	51.1
	Minimum	37	48	37	31	41	36	32	26	18	38	53	26	26	30	22	22	28	27	21	32	38	53	44	35	29	27	26	17	18	28	....	31.6
Fairmont[3]	Maximum	55	64	64	75	68	43	45	38	53	59	69	54	56	38	31	36	37	52	64	63	71	64	51	45	47	45	39	34	45	57	....	52.1
	Minimum	41	47	40	34	40	40	32	32	24	25	42	42	29	35	31	23	25	28	25	26	45	46	38	39	34	27	32	23	23	27	....	33.2
Flat Top	Maximum	63	55	61	71	60	40	42	38	54	54	58	53	39	34	24	27	42	48	54	56	61	58	62	54	41	42	42	27	44	54	....	48.6
	Minimum	43	42	35	32	40	30	26	25	18	37	48	25	32	22	15	15	23	24	28	24	30	47	47	35	28	25	19	16	22	28	....	29.4
Gary[3]	Maximum	60	63	70	77	65	46	47	47	56	65	70	53	58	38	27	36	51	58	69	65	69	67	66	58	51	51	39	36	52	64	....	55.8
	Minimum	34	49	33	32	33	43	35	35	20	22	46	45	28	35	26	23	21	21	22	23	31	38	50	51	38	34	39	28	22	27	....	32.8
Glenville	Maximum	69	68	71	78	69	68	52	48	51	57	69	70	55	52	39	35	49	57	68	66	71	70	63	58	49	44	47	48	54	55	....	58.3
	Minimum	41	51	36	32	47	42	35	25	19	38	50	39	27	35	26	25	31	24	22	32	41	50	47	45	36	26	32	26	25	26	....	34.4
Grafton	Maximum	69	61	65	76	77	68	48	48	47	63	65	69	56	55	40	31	37	52	62	66	71	70	62	55	47	46	47	34	49	52	....	56.3
	Minimum	40	48	33	32	46	38	32	30	21	36	49	42	26	33	25	23	27	24	25	30	44	48	41	44	32	28	31	22	23	25	....	33.3
Huntington	Maximum	65	70	76	80	64	61	54	54	57	58	73	71	55	44	35	36	54	57	68	70	73	70	60	54	47	47	50	40	57	61	....	58.7
	Minimum	50	49	40	40	53	45	34	32	26	46	54	39	32	31	26	21	33	26	28	38	42	60	42	44	37	33	37	29	31	32	....	37.7
Lewisburg	Maximum	53	60	65	73	63	56	47	43	58	59	61	61	42	40	33	30	47	55	59	59	63	67	59	55	48	38	38	31	50	56	....	52.3
	Minimum	43	45	42	31	45	37	32	28	19	36	47	38	28	32	21	20	28	24	23	28	34	48	52	46	31	29	29	21	18	29	....	32.8
Logan[3]	Maximum	65	69	75	79	70	48	54	52	60	66	73	56	51	37	29	40	55	58	64	66	73	64	63	56	47	53	40	40	57	63	....	57.5
	Minimum	39	50	38	36	38	45	34	36	25	26	55	40	30	32	27	25	25	27	26	26	35	50	51	52	37	34	39	30	27	30	....	35.5
Madison[3]	Maximum	70	65	38	53	69	60	53	49	61	65	60	45	45	36	30	41	52	45	64	65	60	66	68	50	45	52	37	40	55	52	....	53.0
	Minimum	36	48	36	34	36	43	38	28	21	26	30	35	27	33	26	24	28	22	22	30	36	40	47	48	35	29	36	29	24	22	....	32.3
Mannington	Maximum	55	62	60	72	66	63	43	39	48	56	68	69	51	44	38	30	37	47	58	60	66	64	56	51	44	38	46	35	43	52	....	52.0
	Minimum	37	48	32	30	44	39	28	28	19	35	49	39	24	34	26	20	29	21	19	31	40	44	34	43	34	24	32	23	23	23	....	31.7
Marlinton	Maximum	63	61	70	74	71	66	51	55	64	63	64	65	57	53	46	51	41	63	43	63	67	68	65	67	64	52	50	43	55	53	....	58.9
	Minimum	33	41	34	25	49	37	31	26	14	31	43	40	23	32	22	21	20	25	18	22	25	41	35	44	29	22	26	22	14	24	....	29.1
Martinsburg[3]	Maximum	58	65	65	75	73	52	48	46	54	61	62	55	45	43	43	38	50	53	52	60	65	73	53	53	48	31	40	35	46	57	....	53.4
	Minimum	40	43	50	35	35	43	42	37	33	33	42	42	35	38	37	31	31	35	26	26	34	46	43	43	45	23	24	30	25	29	....	35.9
Morgantown	Maximum	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New Cumberland	Maximum	55	64	62	73	62	58	44	41	44	56	69	69	52	41	37	33	39	49	60	54	67	66	58	50	40	36	45	33	39	48	....	51.5
	Minimum	44	50	42	37	52	39	35	30	28	37	52	38	27	32	31	20	26	28	25	38	39	56	34	37	30	23	31	23	25	26	....	34.5
New Martinsville	Maximum	58	65	68	74	65	62	46	45	52	55	69	69	67	42	34	32	40	50	60	61	68	67	65	51	48	36	35	44	43	52	....	54.1
	Minimum	44	48	44	32	40	40	29	29	22	38	49	29	27	28	27	20	29	24	24	34	42	41	35	40	36	24	25	25	24	25	....	32.5
Parkersburg	Maximum	60	66	67	75	66	46	45	42	51	55	72	52	48	37	31	34	46	52	62	62	68	68	50	48	43	44	47	32	49	58	....	52.5
	Minimum	49	50	43	41	46	41	32	29	24	43	52	31	31	30	26	21	32	29	29	42	51	45	40	36	32	30	30	25	30	29	....	35.6
Pickens	Maximum	58	53	58	71	61	55	57	49	52	61	60	60	52	48	42	36	38	37	58	49	60	57	57	51	44	43	45	38	37	50	....	51.2
	Minimum	40	40	30	29	47	20	20	22	13	32	30	23	23	24	15	9	11	12	25	40	34	41	41	36	21	21	21	10	10	20	....	25.3
Point Pleasant	Maximum	59	68	72	74	62	50	49	45	56	56	73	56	55	49	40	32	48	56	61	56	68	60	55	51	51	43	38	38	50	57	....	54.3
	Minimum	42	50	38	40	50	42	35	30	23	44	50	39	31	31	26	19	31	25	24	37	44	55	39	47	35	31	37	29	30	28	....	36.1
Rainelle	Maximum	51	58	65	72	63	57	45	40	55	60	61	61	42	44	33	33	46	52	56	60	64	65	65	57	50	41	43	33	50	58	....	52.7
	Minimum	35	44	33	25	40	35	30	28	15	34	43	38	21	28	20	18	15	20	20	24	27	43	32	45	29	27	27	21	12	22	....	28.4
Ravenswood	Maximum	70	64	70	78	72	62	62	55	55	66	70	72	63	47	35	35	45	54	61	60	66	68	63	53	47	47	50	38	52	56	....	57.9
	Minimum	43	49	34	36	60	43	35	23	20	40	50	39	27	30	19	19	31	23	23	35	47	54	36	44	31	30	33	27	29	26	....	34.5
Richwood[3]	Maximum	53	55	61	71	58	57	42	43	60	55	55	45	46	35	30	32	42	41	57	62	65	60	58	50	38	37	40	30	47	51	....	49.2
	Minimum	40	32	30	31	36	31	28	18	18	38	40	24	32	24	18	19	23	22	23	30	31	42	45	29	28	30	21	15	24	28	....	28.3
Romney	Maximum	58	62	66	75	76	64	47	42	55	65	66	68	68	49	42	52	44	49	52	64	70	69	63	60	60	42	40	32	42	40	....	56.1
	Minimum	54	54	57	32	38	42	39	35	22	38	48	48	29	35	25	30	29	40	22	30	41	41	50	42	34	22	30	22	30	30	....	36.3
Spencer[3]	Maximum	58	61	69	77	66	45	50	47	52	61	79	53	52	36	29	36	48	55	65	67	69	63	56	48	45	47	36	45	53	59	....	54.2
	Minimum	40	49	36	34	37	43	33	25	19	42	52	37	27	32	25	20	29	23	23	31	43	45	46	47	33	30	35	26	27	45	....	34.5
Sutton	Maximum	62	63	68	74	74	66	45	44	54	55	68	68	53	53	41	33	47	52	65	66	67	67	58	58	47	49	49	39	52	59	....	56.5
	Minimum	40	52	35	32	46	43	33	25	19	38	51	40	21	36	26	24	30	24	22	29	38	43	45	40	32	26	33	27	24	25	....	33.3
Wardensville[3]	Maximum	54	62	65	66	71	48	48	40	54	63	64	65	42	41	38	42	45	53	57	65	67	71	61	52	44	36	41	33	53	58	....	53.3
	Minimum	35	39	40	30	38	44	37	32	20	25	41	44	28	34	32	28	26	39	20	24	36	40	36	39	32	19	24	27	21	24	....	31.8
Weston	Maximum	58	68	68	78	68	66	48	46	54	62	69	70	53	48	36	33	42	55	65	66	70	68	60	58	48	44	43	33	50	55	....	56.1
	Minimum	49	49	39	34	48	40	34	29	20	39	50	41	28	35	25	23	29	25	23	38	45	50	48	46	35	26	32	25	24	29	....	35.3
Wheeling[3]	Maximum	57	64	63	71	62	44	45	40	46	55	69	50	50	40	35	35	43	49	59	56	65	67	52	45	41	40	37	35	42	49	....	50.2
	Minimum	40	50	40	38	40	41	35	32	26	27	42	40	30	32	33	23	23	24	26	27	36	44	35	36	33	28	30	25	23	26	....	32.8
Williamson[3]	Maximum	63	69	75	78	66	49	53	52	60	64	72	55	53	37	29	41	55	59	67	64	71	63	60	57	49	55	40	57	56	65	....	57.8
	Minimum	41	50	40	38	40	45	34	34	26	28	55	38	31	32	27	25	26	27	27	27	32	43	53	53	37	35	37	30	27	31	....	35.6

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 1-7 41—900)

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLVIII PARKERSBURG, W. VA., DECEMBER 1940 No. 12

GENERAL SUMMARY

This was the warmest December since 1931 and was the fifth warmest of record. The mean temperature of no station was reported as below normal for the month. Excesses of temperature ranged from 4.0° at Union to 10.6° at Parsons. Temperatures of zero or lower were recorded on the 3d in Randolph and Pocahontas counties, on the 4th in Grant, Preston, Hardy, Randolph, Pocahontas, Nicholas, Greenbrier, and Monroe counties, and again on the 5th in Grant county.

With the exception of the northern panhandle and along the Ohio River in Wetzel and northern Pleasants counties and also in the eastern part of the northeastern panhandle division, the State averaged much below normal in precipitation.

The average snowfall, 0.8 inch, was the second smallest amount on record and was the least recorded since 1931 when only 0.3 inch occurred.

Winter grains and pastures were in average condition at the close of the month, and farm work was about up to date.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 40.4°, or 5.7° above the normal. The mean for the northeastern panhandle division was 38.4°; for the northern division, 40.7°; and for the southern division, 40.9°. The highest monthly mean was 45.0° at Huntington and the lowest, 30.8° at Bayard. The highest temperature was 72° at Valley Chapel on the 16th and 17th and the lowest, −11° at Terra Alta on the 4th. The greatest daily range was 55° at Bayard on the 24th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 2.31 inches, or 0.96 inch below the normal. In the northeastern panhandle division the average was 2.00 inches; in the northern division, 2.72 inches; and in the southern division, 1.87 inches. The greatest monthly precipitation was 4.13 inches at New Martinsville, and the least, 1.19 inches at Kanawha Falls and Madison. The greatest amount in any 24 consecutive hours was 1.70 inches at Romney on the 16th. The average monthly snowfall was 0.8 inch, or 5.3 inches below the normal. The greatest monthly snowfall was 7.5 inches at Terra Alta. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	5	..	..	1	1	..	1	..	1	..	2	3	3	4	5	4	..	..	5	1	1	7	6	11	3	14	24	17	7	2	1
Gales	..	1	..	..	1	..	..	..	..	1	..	1	..	1	1	1	1	..	..	1	2	..	..	1	..	..	..	1	1	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	1	..	..	2	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Sleet	..	..	1	..	5	..	..	1	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.13	30.60	18	29.43	29	8.2	27	sw.	16	85	67	72	35
Columbus, Ohio	30.10	30.58	18	29.30	29	10.2	33	sw.	16	87	70	77	27
Elkins	30.13	30.58	18	29.26	29	6.6	26	w.	17	82	66	74	34
Parkersburg	30.12	30.60	18	29.23	29	5.9	21	sw.	16	83	66	68	22
Pittsburgh, Pa	30.10	30.60	18	29.24	29	11.0	35	w.	1	82	68	76	22
Wytheville, Va	30.14	30.58	19	29.34	29	6.8	27	w.	10	87	....	73	38

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches)					Average no. of days			
				Average								
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	......	......	......	......
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	......	......	......
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	−37	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
Period	34.7	83	−37	2.49	3.51	3.24	3.27	6.1	11	9	7	15

Climatological Data for December 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	30.8	+2.7	65	24	−10	4	55	1.55	−2.29	0.32	1.5	12	9	5	17	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	24	38.8	+4.6	65	10	1	4	37	1.37	−.73	.40		5	21	0	10	s.	E. L. Keister
Harpers Ferry	Jefferson	400	51								2.76	+.15	.55	.4	11					Miss Eleanor White
Inwood	Berkeley	569	8	40.6		67	10	5	4	35	2.99		1.38		8	12	9	10	e.	H. W. Prettyman
Kearneysville	Jefferson	548	10	39.8		64	10	8	4	34	2.78		1.05		7	8	12	11	nw.	University Exper. Station
Martinsburg	Berkeley	435	48	39.1	+5.1	65	10	10	4	35	2.72	−.04	.90	.5	13	16	11	4	w.	Dr. H. S. Gardner
McNeill	Hardy	800	44	38.6	+6.0	65	10	−2	4	50	1.58	−.48	.66	T.	7	5	11	15	ne	R. E. Saville
Piedmont	Mineral	1,053	27	37.4	+4.4	59	10	4	4	34	1.71	−.70	.70	.2	8	6	8	17	s.	C. A. Suter, Jr.
Romney	Hampshire	824	42	40.0	+5.5	64	12	5	4	39	3.18	+.93	1.70	T.	5	12	11	8		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	8								1.62		.28	3.0	11					Moses R. Bennett
Stony River Dam	Grant	3,300	20								1.23	−2.01	.30	4.0	7	10	2	19	w.	A. C. Becker
Wardensville	Hardy	1,200	19	38.0	+4.3	66	10	2	4	48	1.97	+.23	1.02	T.	8	8	12	11	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	16								1.98	−1.02	.34	T.	11	5	9	17		L. Esle Bond
Alma (near)	Tyler	800	13								2.56	−.42	.51	.2	12	9	6	16		H. W. & T. J. Furbee
Alpena	Randolph	2,571	9	37.8		61	28	−6	4	44	2.38		47	4.0	14	7	9	15		Christian Hertig
Benson	Harrison	1,080	16	41.2	+5.0	65	16	4	4	47	3.40	−.09	.70	1.0	15	8	7	16		R. D. Marts
Bens Run	Pleasants	652	38	39.6	+4.8	58	13	11	4	32	3.74	+.18	.67	.3	11	13	5	13		Mrs. C. W. Rea
Brownsville	Lewis	1,032	17	42.7	+6.1	65	§16	6	4	40	2.55	−.77	.48		13	8	12	11		M. D. Hawkins
Buckhannon	Upshur	1,411	43	41.8	+7.6	66	16	8	4	38	2.62	−1.56	.42	T.	12	12	4	15		H. A. Darnall
Cairo	Ritchie	680	39	42.3	+7.6	66	§26	5	4	45	2.58	−.87	.68	.2	13	5	16	10		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	18	39.0	+3.8	65	§16	6	4	46	2.76	−.32	.68	.5	15	4	9	18		Clarksburg Water Board
Crawford	Lewis	1,107	17								2.06	−1.53	.29	T.	11	6	10	15	w.	George W. Blair
Creston	Wirt	640	38	42.3	+7.0	66	§16	6	4	46	2.56	−.91	.56	T.	12	11	7	13		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	19								2.28	−1.14	.39	.5	15					Lockmaster
Dam 13 O. R	Marshall	655	24								3.82	+.84	1.16	T.	14					Lockmaster
Dam 15 Mon. R	Marion	882	19								2.69	−.44	.46	T.	14					Lockmaster
Dam 19 O. R	Wood	600	24								2.43	−.70	.93	T.	12					Lockmaster
Dam 20 O. R	Wood	600	24								2.37	−.77	.78		11					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	28								2.70	−.43	.80		9					Lockmaster
Elkins	Randolph	1,927	39	40.6	+7.9	64	16	2	4	43	1.83	−1.63	.41	.7	17	5	6	20	w.	U. S. Weather Bureau
Fairmont	Marion	883	34	39.2	+5.2	68	25	8	4	51	2.94	−.55	.63	.4	14	9	4	18	w.	J. C. Robinson
Glenville	Gilmer	738	46	44.2	+8.3	70	16	9	4	49	2.48	−1.45	.53	T.	11	4	10	17	w.	Howard R. Brannon
Grafton	Taylor	1,050	47	42.6	+8.4	69	25	3	4	44	2.52	−.56	.64	.5	11	11	7	13		L. W. Clayton
Hastings	Wetzel	809	5								3.94		.87	T.	13	9	4	18	w.	L. G. McIntyre
Horner	Lewis	1,044	17								2.30	−1.23	.35		9					Foster R. Hardman
Jane Lew	Lewis	1,020	17								2.86	−.22	.68	.1	13					Mrs. U. I. Jenkins
Lost Creek	Harrison	1,026	42	40.8	+6.4	66	16	6	4	41	2.82	−.71	.67	.2	11	5	10	16	nw.	Chas. H. Washburn
Mannington	Marion	974	37	40.0	+6.4	65	16	3	4	43	3.45	−.12	.60	.8	14	8	4	19	w.	James A. Morgan
Morgantown	Monongalia	1,300	47	40.8	+6.4	68	§16	6	4	39	2.63	−.47	.48	1.0	12	7	3	21	w.	Bruce Davis
New Cumberland	Hancock	671	42	39.5	+7.8	65	§16	6	4	41	3.26	+.50	.90	.2	13	7	1	23	nw.	C. O. Valentine
New Martinsville	Wetzel	637	46	39.4	+4.1	62	28	7	4	40	4.13	+.57	.92	T.	11	9	7	15	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	53	41.9	+6.7	65	16	12	4	36	2.42	−.61	.84	T.	12	4	10	17	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	40	42.9	+10.6	70	2	3	4	54	2.35	−1.70	.63	.5	10	10	5	16		J. W. Swisher
Philippi	Barbour	1,300	43								1.98	−1.79	.60	1.0	15					Mrs. Maxine Leach
Pickens	Randolph	2,760	37	37.6	+5.4	63	28	−6	4	43	3.75	−1.63	.65	4.0	13	10	7	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	17								2.40	−.97	.36	.4	15	9	5	17		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	52								2.87	−1.51	.48	1.0	17					W. H. Bolyard
Saint Marys	Pleasants	625	32								2.94	−.40	.95		12					Edward Hughes
Terra Alta	Preston	2,559	39	[h]36.6	+6.0	[h]62	19	[h]−11	4	45	2.35	−2.39	.40	7.5	13	4	8	19	w.	John Dee Williston
Thomas	Tucker	3,000	11								2.07	−1.78	.44	7.0	13					W. Sleeman
Valley Chapel	Lewis	1,011	17	43.2	+5.7	72	§16	6	4	47	3.43	+.21	.70	.1	12	8	8	15	nw.	S. A. Spence
Vandalia	Lewis	1,120	17								2.01	−.39	.30		10					James B. Kelley
Wellsburg (near)	Brooke	668	33	38.7	+6.3	64	25	10	4	44	3.65	+.74	1.19	1.0	9	6	6	19		George P. Pfister
West Milford	Harrison	979	15								2.50	−.58	.72		12					Scotland G. Highland
Weston	Lewis	1,026	45	43.6	+7.8	68	16	12	4	46	2.14	−1.49	.28	.6	17	3	14	14		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	53	38.4	+5.8	66	25	9	4	41	4.06	+1.08	1.03	T.	16	4	7	20	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	14								1.43	−1.73	.50	1.0	10	10	6	15	w.	H. S. Sutton
Beckley	Raleigh	2,440	37	39.8	+5.3	63	12	4	4	36	2.38	−.93	.64	T.	14	9	7	15		L. A. Mauck
Bluefield	Mercer	2,558	45	43.4	+6.5	65	16	10	4	32	2.13	−.75	.71		8	13	4	14		Norfolk & Western Ry.
Charleston	Kanawha	602	37	41.9	+2.3	70	16	18	4	37	1.31	−2.33	.23		12					Charleston Daily Mail
Clay	Clay	790	24								1.80	−1.70	.31		11					L. E. Woofter
Flat Top	Mercer	3,270	2	37.2		62	16	4	3	36	2.55		.75	2.0	14	6	7	18	s.	U. S. Airway Station
Gary	McDowell	1,426	24	42.0	+4.2	71	16	8	4	46	1.72	−1.65	.79		10					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	3	42.0		68	26	11	4	41	2.29		.55	T.	11	2	8	21	sw.	State Forest Nursery
Hinton	Summers	1,431	43	42.0	+6.2	70	12	8	4	45	1.96	−1.22	.70	T.	10					Mrs. M. L. McClung
Hogsett	Mason	564	24								2.47	−.79	.67	T.	15					Lockmaster
Huntington	Cabell	571	43	45.0	+9.4	69	26	15	4	40	2.02	−1.35	.59	T.	11	5	10	16	ne.	H. N. Robinson
Institute	Kanawha	606	2	43.0		69	§16	9	4	41	1.64		.35	.3	14					Civil Aero. Administration
Kanawha Falls	Fayette	618	21								1.19	−2.17	.45	.5	9					Miss Loula M. Brown
Kayford	Kanawha	1,335	24								1.34	−2.57	.43	.7	11					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	40	40.0	+6.8	62	11	3	4	36	1.48	−1.63	.53		8	11	1	19		J. K. Monroe
Logan	Logan	700	37	43.3	+4.2	70	16	13	4	43	1.37	−2.73	.35	T.	13	9	6	16		Paul A. Simonds
London Locks	Kanawha	623	4	42.8		70	§12	11	4	42	1.43		.41	T.	11	9	7	15	w.	Lockmaster
Madison	Boone	675	19	39.3	+4.3	70	27	10	4	44	1.19	−1.71	.45		8					C. B. Whitlock
Marlinton	Pocahontas	2,125	40	39.8	+10.4	65	§10	−1	4	48	2.38	−1.52	.66	.5	12	9	7	15	n.	Edward A. Moore
Point Pleasant	Mason	595	41	41.2	+5.4	63	23	12	4	38	2.75	−.75	.57	T.	11	4	11	16	w.	Mrs. Abigail N. Henson
Rainelle	Greenbrier	2,424	10	40.0		68	11	−1	4	44	2.50		.70	1.5	15	9	1	21		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	17	43.7	+5.8	71	25	10	4	45	2.12	−1.20	.55		12	5	2	24	nw.	Lockmaster
Richwood	Nicholas	2,193	10	38.2		62	11	0	4	40	2.60		.70	2.1	17	5	7	19	se.	Cherry River Paper Co.
Ryan	Roane	700	37	39.6	+5.1	66	26	6	4	46	1.74	−1.51	.55	.1	10	7	7	17		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	1	39.2		70	§28	−7	§3	53	2.05		.65	1.3	10	12	3	16		Supt., State Forest
Spencer	Roane	789	36	41.4	+4.9	69	16	9	4	42	2.17	−1.24	.61	.0	14	6	9	16		A. M. McKown
Sutton	Braxton	850	34	43.1	+7.9	68	§16	7	4	43	1.90	−1.92	.37	T.	12					C. B. Eakle
Union	Monroe	2,200	36	38.0	+4.0	66	12	0	4	53	1.75	−1.17	.50		8	10	1	20		C. B. King
Wayne	Wayne	598	13								1.80	−1.23	.39		10					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	30	38.1	+5.0	64	11	0	4	48	1.85	−1.25	.55		8	11	3	17		White Sulphur Spgs., Inc.
Williamson	Mingo	673	40	43.2	+5.6	68	§15	15	4	41	1.75	−2.03	.52		13	8	10	13	ne.	J. E. Dotson
Winfield Locks	Putnam	571	2	42.0		69	16	14	4	40	1.92		.48		14	6	9	16	nw.	Lockmaster
State averages and extremes				**40.4**	**+5.7**	**72**	**§16**	**−11**	**4**	**55**	**2.31**	**−.96**	**1.70**	**0.8**	**12**	**8**	**7**	**16**	w.	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. ‖ Incomplete. [h] 8 days missing.

Daily Precipitation for December 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.07		.02		.04			.17					.20	.18		.12	.20			T.						.24	T.	.04	.11	.16	T.	1.55
Brandywine	do						T.							T.	.35		.20										.40		.20	.22			1.37
Brushy Run[2]	do								.01						.35	T.	.03	.09									.31	T.	.24	.18	T.		1.21
Harpers Ferry[2]	do	T.				.04	.08		.03					.13	.35		.25	.29				T.					.55	.34	.48	.22	T.		2.76
Inwood	do					.10								.07	.37		.40										1.38	.10	.30	.27			2.99
Kearneysville	do					.09								.03	.23		.65										1.05		.46	.27			2.78
Knobly Mountain[2]†	do					T.	T.		.05					.18	T.		.22	.20									.87	.08	.30	.18	.08	T.	2.16
Martinsburg[2]	do	.02				.10	.02		.01					.05	.18		.32	.35				.02					.90	.10	.40	.25			2.72
McNeill	do				T.			T.				T.	T.	.30			.20			T.							.66	.08	.20	.03	T.	.11	1.58
Petersburg	do								.01					.02	.62	.01	.16										.61		.32	.07			1.82
Piedmont	do					.05								.11	.02		.45	T.			T.						.70	.01	.24		.13		1.71
Romney	do					T.							.08	.30			1.70											.80	.30				3.18
Spruce Knob[2]†	do	.09		.03			.04		T					.28	.24	T.	.17	.07									.11	T.	.28	.22	.09	T.	1.62
Stony River Dam[2]†	do	.21		.10		.30		.06							.18		.08										.30						1.23
Wardensville[2]	do					T.	T.							.03	.47		.08	.15									1.02	.04	.11	.07			1.97
Northern Division																																	
Aberdeen†	West Fork	.05		T.		.20		.08	T.				T.	.25	.05	.15					.16						.21	T.	.34	.28	.21		1.98
Alma (near)	Ohio				.01	.10		.32					.05	.35			20				.10						.12	.12	.51	.43	.25		2.56
Alpena	Cheat	.30		.10	T.	.10		.47	.13				.03	.22	.44	.02	.14										.08		.21	.11	.03		2.38
Belington[2]	Tygart	.03	T.	.03		.15	.16	T.	.11					.20	.31	T.	T.	.11	T.		.01	.03					.08	T.	.01	.65	.37	.03	2.28
Benson†	West Fork			.05		.25		.33					.02	.70	.10		.20			.08	.10						.27	.10	.44	.36	.30	.10	3.40
Bens Run	Ohio			.03				.45					.31	.16			.36			.46								.31	.67	.50	.43	.06	3.74
Big Skin Creek†	West Fork	.08		.01		.27		.15	.06				.09	.42	.10		.17				.20						.28	.07	.21	.27	.27		2.65
Brownsville†	do	.04				.18		.16	.06				.03	.48	.05	.15					.15						.25		.33	.38	.29		2.55
Buckhannon	Tygart	.05		T.		.32		.17					.16	.17	.17		.18				.15						.23		.20	.40	.42	T.	2.62
Cairo	Litl.Kanawha			.03		.10		.40					.08	.48		.05	.06				.11						.11	.03	.68	.35	.10		2.58
Clarksburg[2]	West Fork	.02		.02		.04	.03	.10	.11					.68	.10		.10	.10			.08						.20		.30	.50	.38		2.76
Crawford	do	.10	T.			.23		.12					.06	.21	T.		.29				.11						.29		.18	.27	.20		2.06
Creston[2]	Litl.Kanawha	T.		T.		.08	T.	.30	.08					.50	.20		.10	.04	T.		.10						.10	T.	.56	.20	.30	T.	2.56
Dailey[2]†	Tygart	.02	T.	.02		.05	.11	T.	.06					.10	.59	.02	T.	.05				.01					.05	.02	.01	.40	.13	T.	1.64
Dam 10, Mon. R.[2]†	Monongahela			.03		.03	.06	.11	.22					.39	.10		.14	.08			.04	.02					.18		.28	.27	.33	T.	2.28
Dam 13, O. R.[2]†	Ohio	.02		.03		.01	.01	.34	.15					.31	.09		.25				.09						.21		1.16	.52	.63		3.82
Dam 15, Mon. R.[2]†	Monongahela			T.		.05	.07	.12	.20					.38	.16		.14	.11			.04	T.					.19		.36	.46	.39	.02	2.69
Dam 19, O. R.[2]†	Ohio	T		T.		.02	T	.40	.06					.22	.03		.15	.02			.12	T.					.09	T.	.93	.21	.18	T.	2.43
Dam 20, O. R.[2]†	do			T.		.02	T.	.35	.09					.28	.07		.10				.15						.10	T.	.78	.25	.18		2.37
Elizabeth (Dam 3)[2]	Litl.Kanawha					T.	T.	.50	.07				T.	.50	T.		.09	T.			.09						.12		.80	.27	.26	T.	2.70
Elk†	West Fork					.23		.30					.13	.32			.38				.28								.21	.53			2.38
Elkins[1]‡	Tygart	.08	.02	.03	.02	.26		.13					.02	.34	.14	T.	.06	T.			.03					.12	.01	.02	.27	.18	.10	T.	1.83
Fairmont[2]	Monongahela			.04		.11	.07	.15	.23					.44	.14		.18	.04			.07						.16		.37	.63	.31	T.	2.94
Glenville[2]	Litl.Kanawha	T.		T.		.06	T.	.53	.12					.51	.17		.04				.16						.14		.26	.37	.12		2.48
Grafton	Tygart			.05		.13		.21						.64	.08		.20				.07						.15		.22	.53	.24		2.52
Hackers Creek†	West Fork			T.		.10		.41	T.				.15	.55	.26		.15				.10						.24		.54	.45	.16		3.11
Hall[2]	Tygart	.07		.02		.08	.12	.04	07					.27	.20	T.	.04	.07			.07	T.					.16		.03	.52	.26	T.	2.02
Harrison Co. Airport[2]	West Fork			.03		.07	.04	.03	.13					.65	.12		.08	.10			.02	.03					.10		.29	.97	.28	.01	2.95
Hastings	Ohio	T.	T.	T.	T.	.18	T.	.62	.12				.08	.49	T.		.25	.02		.17							.15	.03	.45	.87	.51		3.94
Horner	West Fork					.20							.30	.32			.23			.15							.24		.26	.25	.35		2.30
Ireland	do			T.		.16		.28					.21	.18	.05		.11			.12							.26		.12	.38	.06	.02	1.95
Jane Lew	do	T		.01		.14		.20	.12				.02	.68	.11		.18				.10						.25		.50	.35	.20		2.86
Kumbrabow St. For.†[2]	Tygart			.20	T.		T.	.80	.12				.14	1.12	T.	.19	.19	.01			.05						T.		T.	.29		.09	3.20
Lost Creek	West Fork	T		T.	T.	.13		.30					.04	.67	.08		.12	T.			.06						.25	T.	.55	.40	.22	T.	2.82
Mannington	Monongahela	.01		.04		.16		.54	.02				.06	.48			.30				.13	T.					.22	.03	.60	.41	.45		3.45
Midvale[2]†	Tygart	.07		.03		.13	.10		.11					.14	.32	T.						.06					.12			.68	.28	T.	2.04
Morgantown	Monongahela			.10	T.	.20		.30					.20	.38	T.		.30				.05	T.					.20	.05	.48	.25	.12	T.	2.63
Mt. Clare	West Fork			.01	T.	.15	T.	.27	.01	T.			.06	.64	.07		.19				.03						.19	.10	.48	.35	.22		2.77
New Cumberland	Ohio	.11	.04		.01	.01		.25					.40				.55				.02						.08	.30	.60	.72	.17		3.26
New Martinsville	do		T.		.12	T.		.60					.38	.20		.30		.12									.17	.22	.92	.88	.22		4.13
Parkersburg[1]‡	do	T.	T.	T.	T.	.01		.48					.19	.05		T.	.11	T.	T.	T.	.13					.04	.05	.56	.28	.51	.01	T.	2.42
Parsons	Cheat	T.				.05		.63						*	.45		*	.45			T.						*	.50	*	.27			2.35
Philippi[2]	Tygart	T.		.03		.06	.11	.05	.07					.23	.15		.07	.02			.17	.03					.16		.11	.49	.23	T.	1.98
Pickens	do	.29		.10		.20		.55	.35				.10	.36	.65		.16	T.									.11		.20	.57	.11		3.75
Roanoke	West Fork	.05		.04		.17		.12	.07				.10	.36	.09		.14				.17						.36	.07	.14	.25	.27		2.40
Rockford†	do			T		.22		.27	.19				.05	.63	.06		.20				.12						.20	.05	.46	.20	.26		2.91
Rowlesburg[2]	Cheat	.06		.05		.06	.14	.07	.18					.48	.29		.09	.21			.08	.04					.16		.09	.43	.06	.38	2.87
Saint Marys[2]	Ohio					.06	.02	.38						.50	.08	.15					.15						.14		.95	.45	.04	.02	2.94
Salem	West Fork			T.		.13		.35					.07	.76	.03		.18				.06						.20	.03	.43	.50	.35		3.09
Shinnston	do			.05	.20			.50					.15	.55			.20				.15	.05					.40	T.	.20		1.00		3.45
Terra Alta†	Cheat		.20		.05	.20		.30					T.	.15	.10	.15	20	.40			.20							.20		*	.20		2.35
Thomas[2]	do		.05	.15		.11	.05		.18					.32	.38		.08	.13				.03					.15				.39	.05	2.07
Valley Chapel	West Fork	T.			T	.18		.34	.17				.03	.70	.12		.40				.09						.28		.26	.59	.27		3.43
Valley Head[2]	Tygart	.03	T.	.04	T.	.03	.16		.07					.07	.38	.03		T.	T.			T.					.02	T.	.03	.38	.23	.08	1.55
Vandalia†	West Fork					.22			.09					.16	.30		.15				.13						.23		.17	.30	.26		2.01
Wellsburg (near)	Ohio			.06		T.		.48					.20	.28			.31										.09		1.19	.82	.22		3.65
West Milford	West Fork					.20		.34	.05				.10	.72	.12		.20				.10						.25	.02	.28		.12		2.50
Weston[2]	do	.09		.06		.09	.04	.12	.14					.22	.10		.06	.03			.16	.03					.28		.19	.25	.22	.06	2.14
Wheeling (Dam 12)[2]	Ohio	.03		.01		.01	.01	.41	.22			T.	T.	.37	.08		.34	.01			.03						.19		1.03	.67	.63	.02	4.06
Southern Division																																	
Arbovale[2]	Greenbrier			.05	T.	.05		.02	T.				T.	.13	.50		.16										.07	T.	.21	.20	.04		1.43
Beckley	New	.07		T.	T.	.08		.09					.06	.31	.64		.06				.04					.06	.14	.07	.26	.35	.15	T.	2.38
Bluefield	New						.17	.02						.13	.26												.11	.23	.71		.50		2.13
Camden-on-Gauley[2]	Gauley	.08			02	.08			.02					.19	.53	.02											.08			.55	.18	.03	1.78
Charleston[2]	Gr. Kanawha		T.			.05	.02	.06	T.				.01	.17	.22		T.	T.			.02						.12		.23	.23	.15	.03	1.31
Clay[2]	Elk	T	.08		.26				.18				.04	.29	.31		.02				T.	T.					.24			.13	.23	.02	1.80
Flat Top[2]	New	T.	.12	T.	T.	T.	.04		.04					.02	.75	.30	.03	T.				.03	T.				.09	.01	.57	.09	.37	.09	2.55
Gary[2]	Big Sandy	.03				.03			.04						.79	.01						.02					.10		.09	.32	.29		1.72
Greenbottom[2]†	Ohio			T.		T.	.10	.55					.02	.20	.25		.09	T.			.10	T.		T.			.02		.52	.37	.07		2.29
Hinton[2]	New		.01	T.	T.	.01								.02	.70	.03	.04				T.						.17	T.	.46	.40	.12		1.96
Hogsett[2]	Ohio	.03		T.		.01	.01	.67	.06				T.	.38	.20		.12	.02			.06						.03		.50	.18	.18	.02	2.47
Huntington	do			T.		T.		.50					.13	.20	.15		.08				.12						.03	.11	.35	.23	.12	T.	2.02
Institute[2]	Gr. Kanawha	.02	T.	T.		.06		.18					.20	.17	.03	.02	.02			T.	.16					.08	T	.20	.10	.35	.05		1.64
Kanawha Falls[2]†	do	.10	T.	.05		T.	T.	T	T.					.12	12	.45											.10	T.	.05	.10	.10		1.19
Kayford[2]	do			.02		.05	.05						T.	.13	.43	.01											.16		.02	.16	.30	.01	1.34
Lewisburg	Greenbrier													.06	.53	T.	.12										.02	.01	.10	.53	.11		1.48
Logan[2]	Guyandot	.05		T.		.01	T.	.07	.02				T.	.09	.35	.03		T.			.01	T					.02	T.	.22	.17	.30	.03	1.37
London Locks[2]†	Gr. Kanawha	.08	T.	T.		.04	.10	T.	T.				T.	.03	.41	.02	T.				T.	T.					.17		.08	.15	.27	.08	1.43
Madison[2]	Coal		.02			.03							.01	.13	.26												.08			.45	.21		1.19
Marlinton	Greenbrier	.06				.10		.03						.13	.66	.10	.40										.10	.02	.35	.41	.02		2.38
Point Pleasant[2]	Ohio			T.		T.		.57	.02				.03	.34	.15		.12				.07						.05		.57	.45	.38		2.75
Princeton[2]	New	.14	.11				.08							.21	.33	.05	.02	T.				T.					.16	T.	.83	.18	.14	T.	2.25
Rainelle	Greenbrier	.08		T.		.09		.04	.01					.11	.70	.05	.08				.02					T.	.16	.15	.10	.70	.20	.01	2.50
Ravenswood[2]	Ohio	.02				T.	T.	.37	.05					.33	.12		.10	.03			.08						.15		.55	.10	.22		2.12

Continued on next page.

Daily Precipitation for December 1940—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	.09	.05	.06	.02	.13	.17	...	.04	...	...	...	...	.24	.70	.05	.04	...	...	...	...	...	...	...	...	...	.06	.02	.10	.40	.37	.06	2.60
Ryan	Gr. Kanawha	.08	...	.01	...	.02	...	.42	...	...	...	...	.10	...	...	...	...	...	...	...	.21	...	...	...	...	...	.12	.13	.55	...	.10	...	1.74
Seneca State Forest†	Greenbrier	...	...	.20	...	.10	...	...	...	...	...	...	T.	.18	.65	.08	.30	...	...	...	...	...	...	...	...	...	...	.10	.14	.27	.03	T.	2.05
Spencer[2]	Litl. Kanawha	...	...	T.	...	.08	...	.22	.06	...	...	...	...	.37	.11	...	.13	...	...	...	.07	.01	...	...	...	...	.12	.02	.61	.12	.24	.01	2.17
Sutton	Elk	.10	...	T.	...	.25	...	.05	.15	...	...	...	.05	.22	.15	...	...	...	...	...	.15	...	...	...	...	...	.18	...	.05	.32	.23	...	1.90
Thornwood[2]	Greenbrier	...	...	.04	...	.12	.07	...	.04	...	...	...	...	.30	.20	...	.12	...	...	...	...	.08	...	...	...	...	...	.05	.29	.21	.06	...	1.58
Union[2]	New	...	.07	...	...	...	...	...	.03	...	...	...	...	.07	.43	...	...	...	...	...	...	...	...	...	...	...	.10	...	.20	.35	.50	...	1.75
Wayne[2]	Twelvepole	...	...	...	...	.06	...	.39	...	...	...	...	.03	.27	.25	...	.05	...	...	...	...	...	...	...	...	...	...	...	.30	.28	.15	.02	1.80
White Sulp'r Spgs.[2]	Greenbrier	...	...	...	...	.10	...	...	...	...	...	...	...	...	.55	.10	.10	.10	...	...	...	...	...	...	...	...	...	.30	.55	...	.05	...	1.85
Williamson[2]	Big Sandy	.03	...	...	...	T.	.01	.03	.03	...	...	...	...	.20	.52	...	...	.02	...	...	.03	T.	...	...	...	...	.02	...	.07	.30	.46	.03	1.75
Winfield Locks[2]†	Gr. Kanawha	.03	...	...	...	.01	.04	.29	.19	...	...	...	...	.20	.19	.05	...	T.	...	...	.17	.04	...	...	...	...	.05	T.	.25	.16	.25	T.	1.92

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for December 1940

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	35	22	16	33	33	46	51	30	48	45	31	45	44	30	48	48	22	26	35	40	38	32	36	65	64	47	52	59	48	30	40	40.0
	Minimum	25	22	7	−10	−6	9	10	27	25	20	22	25	29	30	28	30	22	18	12	15	35	31	28	10	12	20	40	49	40	30	26	21.7
Beckley	Maximum	55	43	36	37	42	43	45	41	49	50	61	63	57	49	49	57	57	39	40	48	49	47	45	56	49	58	54	57	55	43	43	48.9
	Minimum	28	25	12	4	28	16	33	29	17	37	32	41	41	36	38	44	26	21	28	35	37	27	20	20	39	39	49	50	36	31	31	30.6
Bluefield	Maximum	59	47	40	40	42	52	50	41	50	57	61	64	62	53	54	65	58	45	45	58	55	55	53	55	49	55	53	58	57	41	49	52.4
	Minimum	28	25	19	10	30	20	36	30	19	38	36	44	51	38	42	43	26	23	32	33	40	46	27	50	40	45	49	51	37	32	31	34.5
Brandywine	Maximum	55	50	44	38	40	46	53	46	50	65	60	61	60	50	48	54	48	45	47	60	54	52	48	47	54	57	58	56	57	48	50	51.6
	Minimum	20	18	10	1	15	13	28	31	16	32	26	38	39	32	30	40	27	15	14	32	29	28	20	15	22	38	34	44	45	35	22	26.1
Buckhannon	Maximum	45	40	38	39	44	48	50	46	48	58	58	61	61	45	58	66	60	41	50	50	50	56	47	58	60	60	63	64	58	42	42	51.8
	Minimum	27	29	14	8	30	30	35	32	25	31	42	36	36	32	32	43	30	28	22	38	40	34	30	20	24	45	47	43	40	32	32	31.8
Cairo	Maximum	59	43	44	38	43	49	51	50	54	60	63	55	59	64	53	65	64	45	47	51	53	45	50	62	64	66	62	66	65	44	50	54.4
	Minimum	36	24	12	5	32	15	22	30	20	27	29	35	39	32	35	39	32	31	21	38	32	28	26	17	25	46	47	48	40	34	38	30.2
Charleston[3]	Maximum	53	46	47	49	43	43	51	46	46	65	61	66	47	44	65	70	42	43	55	57	52	53	53	50	63	64	63	62	58	56	42	53.4
	Minimum	32	20	20	18	21	23	25	26	26	28	28	40	37	36	39	34	34	28	31	31	30	32	28	27	27	29	29	48	41	37	38	30.4
Clarksburg[3]	Maximum	40	41	21	46	39	50	47	41	52	59	49	58	51	45	54	66	34	43	48	50	45	49	45	62	63	62	62	64	55	39	44	49.3
	Minimum	29	30	12	6	8	18	18	33	24	25	36	32	37	33	33	37	31	28	22	22	38	35	30	19	20	23	47	47	44	35	34	28.6
Elkins	Maximum	53	40	27	45	45	48	55	39	48	58	59	62	62	43	59	64	40	45	49	50	45	51	54	62	59	57	58	63	56	36	43	50.8
	Minimum	27	27	7	2	24	18	32	33	28	40	38	38	37	36	35	40	28	24	20	36	38	28	26	19	25	47	42	49	36	31	31	30.4
Fairmont[3]	Maximum	36	44	25	45	37	50	47	42	56	60	45	57	42	45	55	65	34	45	51	51	44	53	48	63	68	60	62	63	52	36	42	49.1
	Minimum	29	29	12	8	11	20	21	33	27	27	31	33	39	32	33	40	31	26	22	22	40	35	35	18	17	25	49	50	50	33	33	29.4
Flat Top	Maximum	43	38	21	38	38	47	44	38	50	55	58	61	53	46	47	62	35	44	39	49	45	48	51	49	46	51	51	52	49	30	46	45.9
	Minimum	22	19	4	6	18	11	30	25	25	38	35	39	42	35	34	34	20	20	26	30	33	32	20	25	37	45	45	49	29	28	26	28.6
Gary[3]	Maximum	50	45	28	46	41	61	50	42	57	63	68	69	57	52	63	71	35	48	54	57	51	53	62	68	56	69	59	66	47	39	50	54.2
	Minimum	32	27	24	8	11	20	20	30	19	19	27	28	36	42	42	50	31	24	24	28	37	25	21	22	28	46	39	49	46	36	35	29.9
Glenville	Maximum	59	53	43	41	47	55	53	50	58	64	60	59	64	46	59	70	61	62	49	54	51	54	55	68	65	63	60	61	59	58	52	56.6
	Minimum	36	31	15	9	32	18	26	34	23	30	39	35	40	36	32	42	38	29	23	39	30	28	27	19	24	45	45	48	42	35	34	31.7
Grafton	Maximum	58	43	41	39	46	46	54	48	55	61	62	58	59	43	59	66	67	45	53	53	51	54	51	65	69	63	65	68	65	43	44	54.7
	Minimum	33	29	12	3	32	18	24	33	23	27	30	33	36	31	32	41	30	25	21	37	41	35	34	21	25	47	42	47	40	33	32	30.5
Huntington	Maximum	56	51	44	45	48	57	51	52	60	67	58	64	59	41	58	66	53	43	49	56	53	56	53	65	67	69	60	60	57	41	47	55.0
	Minimum	38	26	18	15	32	20	33	35	25	45	37	41	39	31	39	49	34	35	27	42	39	31	33	25	31	49	50	50	41	37	38	35.1
Lewisburg	Maximum	50	43	34	32	39	49	44	44	51	61	62	61	57	50	49	60	55	44	44	53	50	53	56	55	50	55	54	57	54	40	46	50.1
	Minimum	31	24	16	3	28	16	19	29	17	25	32	34	48	38	36	43	26	19	23	29	37	30	23	21	31	47	49	50	38	33	31	29.9
Logan[3]	Maximum	47	46	28	46	46	54	50	49	55	67	66	69	57	46	68	70	37	44	57	53	57	58	48	58	67	67	65	66	46	41	49	54.1
	Minimum	35	29	23	13	19	22	24	34	24	24	34	36	44	39	39	46	34	34	28	29	41	32	29	26	26	36	44	44	45	38	38	32.5
Madison[3]	Maximum	39	27	22	42	42	49	51	36	60	65	64	62	52	44	67	69	40	44	57	55	44	52	30	29	48	60	70	63	46	44	48	49.1
	Minimum	36	25	20	10	20	12	19	32	20	21	32	33	42	37	35	45	33	33	24	25	37	29	26	22	22	28	41	42	43	37	35	29.5
Mannington	Maximum	57	40	39	38	44	44	48	45	49	58	55	55	58	44	52	65	60	40	47	49	49	47	45	56	63	59	61	63	58	42	39	50.6
	Minimum	33	29	10	3	30	17	20	34	22	27	25	31	37	32	32	36	30	24	18	36	37	33	35	15	20	46	47	47	40	33	33	29.4
Marlinton	Maximum	55	52	54	41	40	47	40	50	53	65	65	62	65	49	51	56	65	57	50	51	50	59	61	51	50	60	64	56	55	55	48	54.2
	Minimum	31	20	14	−1	25	13	12	26	14	17	24	26	42	38	36	40	26	18	16	21	28	21	19	14	22	41	45	47	41	31	24	25.5
Martinsburg[3]	Maximum	50	45	28	33	40	41	56	45	50	65	45	53	52	42	41	50	40	42	40	50	51	59	49	50	55	56	50	52	56	44	46	47.6
	Minimum	30	29	22	10	28	26	25	33	29	30	36	33	37	32	32	36	35	26	21	22	33	29	31	21	22	26	46	46	45	42	37	30.6
Morgantown	Maximum	42	45	38	36	36	48	52	45	53	58	53	59	55	41	52	68	66	38	51	49	44	49	48	60	68	60	59	62	57	40	37	50.6
	Minimum	32	25	9	6	30	21	35	33	30	40	29	37	35	30	31	43	27	23	20	37	34	30	31	26	32	46	47	48	36	30	29	31.0
New Cumberland	Maximum	52	34	28	33	35	43	48	41	53	54	43	55	58	40	50	65	50	39	45	52	49	40	56	61	65	55	57	62	55	44	37	48.4
	Minimum	28	23	12	6	30	15	36	34	30	38	32	38	33	23	27	39	31	29	23	38	36	32	32	22	24	42	45	47	37	34	33	30.6
New Martinsville	Maximum	56	41	33	39	40	46	48	44	51	50	44	55	58	43	51	43	44	41	46	47	49	51	59	60	61	59	61	62	57	40	41	49.0
	Minimum	32	27	12	7	29	19	26	32	22	22	27	35	36	27	32	27	31	29	22	34	33	33	29	20	31	46	49	49	37	34	34	29.8
Parkersburg	Maximum	54	42	26	45	45	47	50	43	53	60	48	59	59	44	53	65	37	40	45	55	45	48	47	64	65	62	60	63	55	40	43	50.4
	Minimum	34	26	12	12	23	20	38	32	27	38	35	40	35	32	36	37	32	30	28	42	35	32	32	28	35	49	53	52	40	35	35	33.4
Pickens	Maximum	49	41	34	37	37	41	44	45	46	58	60	60	57	51	47	60	50	43	51	60	55	52	50	58	59	53	56	63	57	44	40	50.0
	Minimum	22	19	−2	−6	21	8	24	27	21	24	45	36	34	29	18	34	21	18	17	37	31	20	17	22	40	43	33	50	29	19	25	25.1
Point Pleasant	Maximum	57	42	25	40	39	50	49	43	54	58	55	53	40	42	54	61	37	39	43	53	45	50	48	62	61	63	55	60	50	43	44	48.9
	Minimum	35	25	18	12	35	19	27	31	25	39	35	37	39	32	39	45	36	34	25	39	31	28	31	24	29	48	53	50	42	37	36	33.5
Rainelle	Maximum	54	40	44	33	48	47	44	45	51	61	68	63	58	50	47	60	63	43	44	52	52	54	58	62	50	55	57	57	56	43	48	51.7
	Minimum	28	30	13	−1	27	12	20	22	13	20	24	38	43	37	37	42	25	17	23	30	32	20	23	27	34	47	48	51	37	31	30	28.4
Ravenswood	Maximum	63	59	44	42	48	50	54	52	54	61	59	56	59	46	55	64	65	41	45	54	54	51	51	67	71	68	64	63	61	48	44	55.3
	Minimum	35	27	16	10	36	12	27	32	23	42	35	35	38	32	36	43	32	33	23	39	31	27	30	22	29	45	48	47	41	35	35	32.1
Richwood[3]	Maximum	53	39	38	40	47	49	50	39	46	59	62	59	53	49	50	61	37	41	47	48	43	43	56	55	52	55	57	58	48	36	49	49.0
	Minimum	28	25	1	0	7	11	15	29	18	20	30	31	41	35	36	41	21	21	20	32	39	28	22	22	32	46	44	49	45	32	30	27.5
Romney	Maximum	57	42	48	44	38	45	56	52	54	62	60	64	54	50	60	54	50	45	50	41	60	57	54	57	51	50	52	52	52	47	46	51.7
	Minimum	25	28	17	5	20	20	20	38	28	30	31	32	32	30	34	30	34	21	36	21	30	30	32	19	21	21	30	46	47	32	36	28.3
Spencer[3]	Maximum	37	45	37	46	38	51	49	46	55	63	58	61	42	49	59	69	36	43	51	53	45	52	50	62	60	61	57	63	43	37	45	50.4
	Minimum	36	27	15	9	37	12	31	32	21	37	33	25	41	34	38	49	32	32	23	41	35	36	28	20	31	47	46	47	41	35	35	32.5
Sutton	Maximum	59	43	43	37	37	54	54	48	54	63	64	64	62	43	66	68	68	48	50	59	59	50	51	61	61	60	60	63	63	52	44	55.1
	Minimum	31	30	16	7	34	16	26	32	20	30	33	38	41	35	34	46	32	28	21	38	40	26	23	18	24	45	43	44	42	35	35	31.1
Wardensville[3]	Maximum	49	42	24	34	42	46	61	45	53	66	47	57	55	38	45	56	37	46	42	53	53	59	50	60	62	50	50	52	59	42	49	49.2
	Minimum	26	28	16	2	11	16	22	34	22	24	37	29	31	31	31	35	32	18	16	21	29	20	24	12	21	35	45	44	46	40	31	26.7
Weston	Maximum	46	43	38	46	53	54	46	56	62	55	60	60	59	48	58	68	66	45	50	48	49	50	49	68	67	66	60	64	62	51	46	54.5
	Minimum	35	30	14	12	30	20	32	34	25	34	38	34	40	34	33	41	31	30	22	41	35	36	35	20	30	48	45	50	40	35	34	32.8
Wheeling[3]	Maximum	43	38	24	39	37	48	48	39	53	57	42	57	42	34	54	64	39	39	45	50	45	44	46	60	66	56	60	60	60	38	37	47.2
	Minimum	29	25	13	9	15	21	22	35	29	29	29	33	39	28	27	33	32	33	21	26	38	34	33	25	25	26	46	48	42	35	34	29.6
Williamson[3]	Maximum	46	47	28	49	44	56	50	49	57	66	64	67	55	51	68	68	37	44	56	50	55	57	47	62	64	65	64	65	47	43	49	53.9
	Minimum	35	27	24	15	22	23	24	33	25	25	32	33	41	39	40	50	34	34	28	31	41	32	29	27	29	35	44	44	36	37	37	32.5

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 1-31-41—900)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. XLVIII PARKERSBURG, W. VA., YEAR 1940 No. 13

GENERAL SUMMARY

The average temperature for the State was 51.4°, or 1.6° below the normal. It was, together with 1904, the third coldest year of record. Only three months were above normal in temperature. January was the coldest month, with a mean temperature of 20.5°, and was also the coldest January of record. Ice in the rivers caused suspension of navigation almost throughout the month. The ground was frozen to such a depth that normal seepage was stopped, causing the supply of potable water to become low in many localities. Spring averaged 2.6° deficiency in temperature, and the beginning of Summer found all crops from two to four weeks late. The warmest month was July, 72.5°. The lowest monthly mean temperature was 13.6° at Terra Alta in January, and the highest, 77.2° at Huntington in July and August. The annual mean temperature ranged from 44.1° at Bayard to 56.2° at Huntington. The highest temperature was 103° at Martinsburg on July 26th; the lowest, —24° at Benson January 19th.

The mean annual precipitation, 44.53 inches, was 1.43 inches above the normal. It was the wettest year since 1937, when the total was 49.76 inches. The wettest month was June, with a State average of 5.97 inches. In April, heavy rains in the second decade brought flood conditions to the Ohio and also to the Little Kanawha and West Fork Rivers. Heavy rains on the 13-14th of August resulted in the New and the Great Kanawha Rivers above Charleston exceeding their flood stages by many feet and causing considerable damage to barges and lowland dwellings. Precipitation during the growing season exceeded the normal by about 15 per cent.

Considering that all growing months except June were below normal in temperature, it was still a good year for all crops. Above normal amounts of precipitation during the growing season followed by a mild dry Fall allowed for the slow maturing of late crops. The growing season averaged 156 days.

MONTHLY STATE DATA FOR 1940

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Mean	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January...	20.5	−12.1	62	−24	1.44	−2.21	14.5	12	7	7	17	w.
February..	33.5	+.1	73	−6	3.84	+.66	12.5	14	7	6	16	w.
March.....	38.8	−3.7	79	−3	3.70	−.23	3.4	13	6	10	15	w.
April......	49.2	−2.5	86	10	5.13	+1.55	1.9	14	8	9	13	w.
May.......	60.1	−1.6	95	22	4.93	+.96	.1	13	11	10	10	w.
June.......	70.3	+.6	98	31	5.97	+1.53	.0	17	8	14	8	w.
July.......	72.5	−.6	103	33	4.43	−.18	.0	11	14	11	6	w.
August....	71.4	−.4	98	34	4.83	+.77	.0	11	11	11	9	sw.
September.	62.2	−4.2	98	21	2.88	−.02	.0	5	17	8	5	w.
October...	54.3	−.3	88	18	1.80	−1.04	.4	8	14	9	8	w.
November.	43.2	.0	80	4	3.27	+.53	3.8	11	8	8	14	w.
December.	40.4	+5.7	72	−11	2.31	−.96	.8	12	8	7	16	w.
Annual....	51.4	−1.6	103	−24	44.53	+1.43	37.4	141	119	110	137	w.

MONTHLY EVAPORATION FOR 1940

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg......	Evaporation, inches....	2.995	4.462	5.096	5.406	4.916	2.826	1.730
	Wind movement, miles..	1,955	1,414	1,124	695	759	616	715
Wardensville....	Evaporation, inches....	3.875	5.425	6.002	6.312	4.552	4.040	2.387
	Wind movement, miles..	2,054	1,562	1,020	879	1,302	790	990

KILLING FROSTS—1940

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Aberdeen..............	May 12	Oct. 21	Mannington..........	May 12	Sept. 26
Alpena................	May 12	Sept. 26	Marlinton............	May 13	Sept. 26
Bayard................	June 22	Sept. 12	Martinsburg.........	April 29	Oct. 21
Beckley...............	May 12	Sept. 26	McNeill..............	May 12	Sept. 27
Benson................	May 12	Sept. 26	Morgantown.........	May 12	Sept. 26
Bens Run..............	April 24	Nov. 9	New Cumberland....	April 28	Oct. 16
Bluefield.............	May 4	Nov. 7	New Martinsville....	....	Oct. 19
Brandywine...........	May 12	Sept. 11	Parkersburg.........	April 14	Oct. 21
Brownsville...........	May 12	Sept. 27	Parsons..............	May 12	Oct. 19
Buckhannon...........	May 12	Sept. 26	Pickens..............	May 12	Sept. 26
Cairo.................	May 12	Oct. 10	Piedmont............	May 12	Sept. 27
Charleston............	April 15	Nov. 16	Point Pleasant.......	April 14	Oct. 22
Clarksburg...........	May 12	Sept. 26	Rainelle.............	May 12	Sept. 26
Creston...............	April 29	Oct. 18	Ravenswood.........	April 28	Oct. 19
Elkins................	April 7	Oct. 19	Richwood............	May 11	Sept. 25
Fairmont.............	May 12	Oct. 21	Romney.............	May 12	Sept. 26
Flat Top..............	May 5	Sept. 13	Ryan................	May 12	Sept. 26
Gary..................	May 12	Oct. 22	Seneca State Forest..	May 18	Sept. 12
Glenville.............	May 12	Oct. 19	Spencer.............	May 12	Oct. 10
Grafton...............	May 12	Sept. 26	Sutton..............	May 12	Oct. 19
Greenbottom..........	April 28	Oct. 19	Terra Alta...........	May 18	Sept. 27
Hinton................	April 28	Oct. 19	Union...............	May 12	Sept. 26
Huntington...........	April 22	Oct. 21	Valley Chapel........	May 12	Sept. 26
Institute.............	April 28	Oct. 19	Wardensville.........	May 12	Sept. 27
Kearneysville.........	April 29	Oct. 21	Wellsburg...........	May 10	Sept. 26
Lewisburg............	April 28	Sept. 26	Weston..............	May 12	Oct. 19
Logan.................	April 27	Nov. 9	Wheeling (Dam 12)...	April 28	Oct. 19
London Locks.........	April 27	Nov. 8	White Sulphur Spgs..	May 12	Sept. 26
Lost Creek............	May 12	Sept. 26	Williamson..........	April 28	Nov. 7
Madison..............	April 28	Oct. 19	Winfield Locks.......	April 28	Oct. 21

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip .01 inch or more	Clear	Partly Cloudy	Cloudy
1891........	52.0	94	−9	33.90	50.60	42.37	45.96	......	.....	.....	.....	....
1892........	52.3	99	−12	32.70	41.43	37.06	38.33	......	.....	.....	.....	....
1893........	52.0	99	−25	36.26	39.68	41.40	39.82	......	116	.....	.....	....
1894........	53.5	103	−29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895........	51.5	107	−21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896........	53.6	97	−10	35.43	46.66	41.84	43.49	......	111	132	128	106
1897........	53.5	103	−18	35.02	46.15	40.47	41.59	......	116	141	113	111
1898........	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899........	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900........	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901........	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902........	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903........	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904........	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905........	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906........	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907........	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908........	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909........	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910........	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911........	54.5	106	−5	42.58	49.41	45.15	47.13	23.2	131	140	97	128
1912........	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913........	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914........	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915........	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916........	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917........	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	123
1918........	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919........	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920........	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	114
1921........	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	98	127
1922........	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923........	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924........	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925........	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926........	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927........	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928........	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929........	52.7	104	−19	41.45	17.46	47.78	46.77	44.5	132	142	77	146
1930........	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931........	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932........	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933........	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934........	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935........	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936........	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937........	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938........	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939........	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940........	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
Period.....	53.0	112	−37	37.20	45.22	42.89	43.10	34.0	123	146	94	125

Climatological Data for the Year 1940

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	37	44.1	91	July 28	−10	Jan. 19†	36	46.23	7.34	April	1.55	Dec.	65.5	154	176	58	132	w.
Brandywine	Pendleton	1,586	25	50.5	98	July 26†	−9	Jan. 25†	25	31.13	5.33	Aug.	.95	Feb.	17.0	88	212	20	134	n.
Harpers Ferry	Jefferson	400	....	....	....	....	....	....	51	48.31	6.36	July	1.42	Jan.	15.9	132	....	....	....	....
Kearneysville	Jefferson	548	10	51.8	99	July 26†	0	Jan. 18	10	44.47	6.38	Nov.	1.28	June	....	106	130	148	88	n.
Martinsburg	Berkeley	435	48	52.3	103	July 26	3	Jan. 20	50	45.23	5.91	Nov.	1.28	Jan.	19.1	138	203	123	40	sw.
McNeill	Hardy	800	8	49.3	100	July 26†	−14	Jan. 26	8	37.94	6.29	July	1.35	Jan.	20.0	110	100	142	124	w.
Piedmont	Mineral	1,053	25	50.2	96	July 28†	−3	Jan. 19	25	38.69	5.63	April	1.01	Oct.	26.2	132	82	157	127	w.
Romney	Hampshire	824	43	52.1	98	July 30	0	Jan. 19	40	33.00	4.62	June	.81	Oct.	19.0	91	144	103	119	....
Spruce Knob	Pendleton	4,550	....	....	....	....	....	....	10	44.30	6.34	May	1.16	Jan.	85.0	149	....	....	....	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	21	43.75	6.55	April	1.23	Dec.	90.5	118	50	97	219	w.
Wardensville	Hardy	1,200	21	50.1	98	July 30	−10	Jan. 26	23	39.13	6.31	Aug.	1.19	Jan.	17.1	129	87	163	116	nw.
Northern Division																				
Aberdeen	Upshur	1,060	....	....	....	....	....	....	17	52.21	7.83	May	1.27	Jan.	26.6	148	64	165	137	....
Alpena	Randolph	2,571	10	45.8	93	July 28	−12	Jan. 19	10	54.87	7.29	June	2.12	Jan.	100.0	167	110	126	130	....
Benson	Harrison	1,080	18	51.1	97	July 28†	−24	Jan. 19	18	50.56	8.05	June	1.55	Jan.	48.6	164	109	168	89	....
Bens Run	Pleasants	652	40	52.6	100	July 29†	−8	Jan. 18	40	47.94	7.64	Aug.	1.40	Jan.	30.6	123	224	67	75	....
Brownsville	Lewis	1,032	17	53.5	98	July 29	−14	Jan. 19	18	47.63	5.86	May	1.23	Jan.	27.1	154	106	169	91	....
Buckhannon	Upshur	1,411	48	50.7	91	July 28†	−14	Jan. 19	51	56.12	9.04	May	1.98	Jan.	38.0	145	149	120	97	....
Cairo	Ritchie	680	38	52.8	99	July 28†	−17	Jan. 18	38	40.61	5.93	June	1.38	Jan.	21.1	138	128	173	65	....
Clarksburg	Harrison	1,015	18	50.4	96	July 28	−11	Jan. 20	18	44.21	6.48	May	.95	Jan.	36.8	141	124	69	173	....
Crawford	Lewis	1,107	....	....	....	....	....	....	18	50.10	7.41	May	1.01	Jan.	30.4	158	115	119	132	sw.
Creston	Wirt	640	40	51.9	94	July 30	−17	Jan. 19	41	45.71	8.97	June	1.04	Jan.	23.6	141	133	101	132	....
Dam 10 Mon. R.	Monongalia	826	....	....	....	....	....	....	19	41.16	5.33	April	.97	Jan.	26.7	157	....	....	....	....
Dam 13 O. R.	Marshall	655	....	....	....	....	....	....	25	48.74	6.88	Aug.	.85	Jan.	28.9	150	....	....	....	....
Dam 15 Mon. R.	Marion	882	....	....	....	....	....	....	19	48.02	6.91	June	.99	Jan.	24.5	143	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	24	41.56	6.12	Aug.	1.15	Jan.	16.4	131	....	....	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	24	41.08	6.56	Aug.	1.03	Jan.	....	126	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	31	38.83	4.75	Aug.	1.59	Jan.	31.2	118	....	....	....	....
Elkins	Randolph	1,927	42	49.7	92	July 28	−7	Jan. 19	42	46.24	5.97	May	1.44	Jan.	62.0	179	56	99	211	w.
Fairmont	Marion	883	35	51.3	97	July 28†	−7	Jan. 19	49	47.99	6.49	June	1.44	Jan.	45.2	161	138	75	153	w.
Glenville	Gilmer	738	48	54.0	100	July 29	−15	Jan. 19	54	45.33	5.83	June	1.56	Jan.	21.6	131	112	113	141	w.
Grafton	Taylor	1,050	47	52.8	96	July 29	−6	Jan. 19	49	48.79	6.58	May	1.29	Jan.	29.1	153	149	79	138	....
Harrison Co. Airport	Harrison	1,184	1	51.0	94	July 28†	−9	Jan. 19	1	41.98	5.97	May	1.00	Jan.	24.5	134	89	99	178	sw.
Hastings	Wetzel	809	....	....	....	....	....	....	6	50.19	6.06	Aug.	1.33	Jan.	27.2	161	131	109	126	w.
Horner	Lewis	1,044	....	....	....	....	....	....	18	46.72	7.04	May	2.02	Oct.	....	122	....	....	....	....
Jane Lew	Lewis	1,020	....	....	....	....	....	....	18	47.19	6.42	May	1.02	Jan.	23.3	148	....	....	....	....
Lost Creek	Harrison	1,026	45	51.3	93	July 20†	−19	Jan. 19	45	47.69	6.61	May	1.34	Jan.	31.6	131	105	103	158	w.
Mannington	Marion	974	40	49.9	91	July 30	−13	Jan. 19	40	53.00	7.43	June	1.42	Jan.	41.4	177	123	92	151	w.
Morgantown	Monongalia	1,300	48	51.4	95	July 27	−8	Jan. 19	67	43.67	6.26	April	1.88	Jan.	33.2	130	152	101	113	....
New Cumberland	Hancock	671	44	50.3	97	July 21	−8	Jan. 19	44	40.34	6.00	April	1.01	Jan.	23.3	142	107	15	244	nw.
New Martinsville	Wetzel	637	48	....	....	....	....	....	48	....	....	....	....	....	....	....	....	....	....	....
Parkersburg	Wood	615	53	52.8	97	July 30	−6	Jan. 19	53	40.28	6.36	June	1.25	Jan.	31.9	142	101	118	147	se.
Parsons	Tucker	1,649	42	51.3	97	July 28†	−5	Jan. 19†	42	54.98	7.27	July	2.13	Jan.	68.0	123	118	103	145	....
Philippi	Barbour	1,300	....	....	....	....	....	....	48	50.12	7.49	May	1.18	Jan.	43.4	171	....	....	....	....
Pickens	Randolph	2,760	51	47.0	89	July 28	−13	Jan. 19	51	64.53	10.48	June	2.37	Oct.	121.9	182	154	80	132	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	18	48.35	7.91	June	.74	Jan.	25.6	146	141	42	183	....
Rowlesburg	Preston	1,375	....	....	....	....	....	....	57	52.43	8.43	April	1.25	Jan.	47.8	153	....	....	....	....
Saint Marys	Pleasants	625	....	....	....	....	....	....	33	51.02	8.03	June	1.42	Jan.	27.8	146	....	....	....	....
Shinnston	Harrison	910	....	....	....	....	....	....	4	43.70	6.02	Nov.	1.21	Jan.	37.1	105	213	66	87	....
Terra Alta	Preston	2,559	39	46.1	93	May 19	−11	Jan. 19†	35	54.54	8.04	June	2.01	Jan.	86.3	122	101	126	139	w.
Thomas	Tucker	3,000	....	....	....	....	....	....	12	51.98	6.88	April	1.17	Jan.	90.0	147	....	....	....	....
Valley Chapel	Lewis	1,011	18	53.2	98	July 29	−16	Jan. 19	18	49.35	6.50	June	1.20	Jan.	31.0	157	102	149	115	w.
Vandalia	Lewis	1,120	....	....	....	....	....	....	18	49.51	7.35	May	1.60	Jan.	30.0	124	....	....	....	....
Wellsburg (near)	Brooke	668	42	49.6	98	July 27	−8	Jan. 19	49	44.60	6.50	April	.96	Oct.	31.0	123	141	91	134	....
West Milford	Harrison	979	....	....	....	....	....	....	16	47.96	6.45	June	1.80	Jan.	30.5	143	....	....	....	....
Weston	Lewis	1,026	48	53.9	98	July 28†	−6	Jan. 19	53	48.93	6.68	June	1.65	Jan.	32.1	169	....	....	....	....
Wheeling (Dam 12)	Ohio	659	33	50.8	96	July 28	−7	Jan. 19†	57	45.27	5.44	Aug.	1.11	Jan.	46.0	145	108	103	155	sw.
Southern Division																				
Arbovale	Pocahontas	2,727	....	....	....	....	....	....	16	40.79	7.82	June	1.43	Dec.	38.7	122	140	102	124	w.
Beckley	Raleigh	2,440	40	48.8	91	July 26†	−12	Jan. 19	44	50.71	9.09	Aug.	1.08	Oct.	51.7	180	116	136	114	....
Bluefield	Mercer	2,558	47	51.9	90	July 29	−4	Jan. 19	49	42.88	10.51	Aug.	.98	Oct.	23.5	133	146	80	140	....
Camden-on-Gauley	Webster	2,029	....	....	....	....	....	....	22	46.68	8.15	June	1.20	Jan.	41.8	156	....	....	....	....
Charleston	Kanawha	602	39	54.3	98	July 29	−2	Jan. 20	56	41.09	6.52	April	1.31	Dec.	20.4	140	....	....	....	....
Clay	Clay	790	....	....	....	....	....	....	39	47.10	8.09	June	1.80	Dec.	28.2	155	....	....	....	....
Flat Top	Mercer	3,270	3	46.8	....	....	−10	Jan. 19	3	50.67	8.54	June	.71	Oct.	55.4	162	122	96	148	nw.
Gary	McDowell	1,426	24	52.5	94	July 28†	−2	Jan. 28	24	39.62	8.28	July	.77	Oct.	16.7	140	....	....	....	....
Greenbottom	Cabell	550	3	53.4	98	July 28	−7	Jan. 19	3	38.69	5.45	June	1.21	Jan.	19.1	127	79	128	159	sw.
Hinton	Summers	1,431	44	53.9	101	July 26	−1	Jan. 29	52	38.19	5.99	Aug.	.60	Oct.	16.2	137	....	....	....	....
Hogsett	Mason	564	....	....	....	....	....	....	25	39.45	5.84	June	1.30	Oct.	....	137	....	....	....	....
Huntington	Cabell	571	44	56.2	102	July 28	−3	Jan. 19	47	36.39	6.46	June	.97	Oct.	22.6	128	83	163	120	sw.
Institute	Kanawha	606	3	54.3	101	July 28	−6	Jan. 19	3	33.52	6.74	June	1.04	Jan.	16.5	135	....	....	....	....
Kanawha Falls	Fayette	618	....	....	....	....	....	....	22	28.61	6.06	June	.78	Oct.	....	101	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	24	41.68	8.16	June	.51	Oct	44.7	141	....	....	....	....
Lewisburg	Greenbrier	2,250	39	50.6	92	July 28	−4	Jan. 19	49	37.24	6.12	May	.77	Sept†	35.8	153	100	120	146	....
Logan	Logan	700	15	55.5	99	July 26	−2	Jan. 19†	40	36.05	8.35	June	.76	Oct.	19.1	137	109	83	174	....
London Locks	Kanawha	623	5	54.2	97	July 28†	3	Jan. 19†	5	38.76	6.63	June	.70	Jan.	17.6	138	....	....	....	....
Madison	Boone	675	23	53.2	98	May 6†	−7	Jan. 19	29	34.36	6.82	June	.96	Jan.	....	106	....	....	....	....
Marlinton	Pocahontas	2,125	45	50.7	95	July 26	−11	Jan. 26	44	45.69	7.98	Aug.	1.12	Oct.	27.7	130	47	178	141	....
Point Pleasant	Mason	595	48	54.1	100	July 30	−4	Jan. 19	52	44.02	6.28	Aug.	.81	Oct.	26.1	143	127	120	119	sw.
Rainelle	Greenbrier	2,424	10	48.2	90	July 27	−12	Jan. 29	10	58.85	11.34	Aug.	1.02	Oct.	56.7	183	126	58	182	....
Ravenswood (Dam 22)	Jackson	584	18	54.4	101	July 30	−6	Jan. 28	26	39.64	5.11	June	1.14	Jan.	26.1	127	122	32	212	nw.
Richwood	Nicholas	2,193	10	48.4	96	July 29	−8	Jan. 28	10	56.15	9.94	June	1.47	Oct.	62.2	186	93	129	144	se.
Ryan	Roane	700	39	49.9	95	July 30	−21	Jan. 19	39	41.13	8.34	June	1.18	Jan.	22.8	130	122	119	125	....
Seneca State Forest	Pocahontas	2,650	2	47.7	91	July 28	−21	Jan. 26	2	45.02	8.26	June	1.03	Sept.	38.3	121	72	168	126	ne.
Spencer	Roane	789	44	52.5	96	July 28†	−16	Jan. 19	44	39.26	5.60	June	1.93	Jan.	36.0	149	78	163	125	....
Sutton	Braxton	850	36	53.8	99	July 27†	−6	Jan. 19	40	46.83	6.36	July	1.90	Dec.	48.5	138	....	....	....	....
Thornwood	Pocahontas	2,900	....	....	....	....	....	....	6	43.46	9.16	June	1.50	Sept.	45.5	141	....	....	....	....
Union	Monroe	2,200	38	50.2	94	July 28	−7	Jan. 29	38	35.28	5.68	July	.72	Oct.	....	108	130	87	149	....
Wayne	Wayne	598	....	....	....	....	....	....	16	33.91	5.71	June	.62	Oct	....	129	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	29	50.4	96	July 27	−4	Jan. 19†	29	41.69	7.35	Aug.	.50	Sept.	....	104	167	61	138	....
Williamson	Mingo	673	41	55.6	99	July 28†	−2	Jan. 20	41	33.35	5.01	June	.48	Oct.	19.4	135	125	132	109	nw.
Winfield Locks	Putnam	571	....	53.8	97	July 30	−6	Jan. 19	3	37.57	8.59	June	.98	July	16.6	138	111	89	166	sw.
State averages and	extremes	....	....	**51.4**	**103**	July 26	**−24**	Jan. 19	....	**44.53**	**11.34**	Aug.	*.35	Oct.	**37.4**	**141**	**119**	**110**	**137**	**w.**

† Also on other dates. * At Mullens

Monthly and Annual Precipitation for the Year 1940, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	2.32	−2.18	3.03	−0.47	3.08	−1.43	7.34	+3.50	4.67	+0.37	4.04	−1.09	4.47	+0.23	5.39	+1.01	5.22	+1.91	2.04	−1.22	3.08	+0.08	1.55	−2.29	46.23	−1.58
Brandywine	1.45	−.89	.95	−.81	1.50	−.97	3.67	+1.00	5.07	+1.99	3.18	−.70	2.79	−.78	5.33	+1.75	1.10	−1.28	1.78	−.59	2.94	+1.16	1.37	−.73	31.13	−.85
Brushy Run	.97	......	1.51	......	1.50	......	4.55	......	5.10	......	4.93	......	2.77	......	3.33	......	2.13	......	1.77	......	2.27	......	1.21	......	32.04	......
Harpers Ferry	1.42	−1.29	3.25	+.99	3.60	+.55	4.90	+1.65	5.09	+1.65	2.48	−1.17	6.36	+2.86	4.32	+.33	5.48	+2.82	3.41	+.15	5.24	+3.05	2.76	+.15	48.31	‡11.74
Inwood	2.06	......	2.76	......	1.85	......	4.35	......	3.49	......	2.62	......	3.74	......	7.00	......	2.44	......	2.53	......	5.50	......	2.99	......	41.33	......
Kearneysville	1.38	......	2.93	......	3.77	......	4.58	......	4.89	......	1.28	......	4.90	......	4.22	......	3.71	......	3.65	......	6.38	......	2.78	......	44.47	......
Knobly Mountain	1.31	......	2.75	......	2.45	......	5.58	......	4.89	......	3.87	......	3.32	......	3.99	......	2.99	......	1.44	......	2.70	......	2.16	......	37.45	......
Martinsburg	1.28	−1.23	3.01	+.61	3.80	+.54	5.06	+1.95	3.94	+.55	2.23	−1.91	5.51	+1.89	4.86	+.80	3.90	+.98	3.01	−.06	5.91	+3.66	2.72	−.04	45.23	+7.74
McNeill	1.35	−1.03	1.99	−.14	1.97	−.62	4.65	+1.69	4.33	+1.10	2.48	−1.12	6.29	+3.26	5.19	+2.20	2.37	+.09	1.58	−.73	4.16	+2.61	1.58	−.48	37.94	+6.83
Petersburg	1.24	......	2.39	......	1.79	......	4.89	......	4.16	......	5.25	......	2.23	......	3.54	......	2.54	......	1.17	......	2.50	......	1.82	......	33.52	......
Piedmont	1.40	−1.18	2.02	−.22	2.69	−.29	5.63	+2.62	4.11	+.46	4.69	+.69	3.19	−.29	5.09	+1.50	3.33	+.92	1.01	−1.64	3.82	+1.93	1.71	−.70	38.69	+3.80
Romney	1.38	−1.01	2.26	+.36	2.36	−.50	4.23	+1.26	2.73	−.80	4.62	+.80	2.09	−1.39	2.79	−.82	2.80	+.12	.81	−1.74	*3.75	+1.97	3.18	+.93	33.00	−.82
Spruce Knob	1.16	......	2.77	......	3.31	......	5.35	......	6.34	......	5.59	......	4.52	......	5.75	......	3.18	......	2.25	......	2.46	......	1.62	......	44.30	......
Stony River Dam	1.28	−1.53	3.44	+.59	4.24	+.89	6.55	+2.80	4.35	−.25	3.89	−.13	2.89	−1.25	6.06	+1.48	3.77	+.99	2.77	−.43	3.28	+.33	1.23	−2.01	43.75	+1.48
Wardensville	1.19	−.94	2.05	+.34	1.94	−.26	5.05	+2.54	3.56	+.60	5.07	+2.07	3.16	+.06	6.31	+2.68	3.04	+.45	1.63	−1.53	4.16	+2.53	1.97	+.23	39.13	+8.77
Northern Division																										
Aberdeen	1.27	−2.13	4.15	+1.05	4.50	+.71	6.58	+2.78	7.83	+3.96	4.79	+.43	6.00	+1.21	3.80	−.68	4.74	+1.43	2.76	−.78	3.81	+.47	1.98	−1.02	52.21	+7.43
Alma (near)	1.00	−1.66	3.97	+1.71	4.54	+.53	4.77	+1.40	4.64	+.97	7.82	+3.72	3.33	−.76	6.29	+.76	2.55	−.42	1.14	−1.58	4.99	+1.96	2.56	−.42	47.60	+6.21
Alpena	2.12	......	4.17	......	4.71	......	6.04	......	6.36	......	7.29	......	5.85	......	5.29	......	3.58	......	2.53	......	4.55	......	2.38	......	54.87	......
Belington	1.38	......	4.32	......	3.70	......	5.85	......	5.39	......	5.90	......	4.59	......	4.09	......	5.63	......	2.64	......	3.43	......	2.28	......	49.20	......
Benson	1.55	−2.06	4.35	+.64	3.93	+.47	5 45	+2.24	6.00	+2.07	8.05	+3.74	3.82	−1.33	4.40	−.05	3.12	−.51	2.65	−.91	3.84	+.35	3.40	−.09	50.56	+4.56
Bens Run	1.40	−2.58	4.63	+1.52	4.37	+.33	5.79	+2.23	4.80	+.80	5.38	+1.16	1.95	−2.58	7.64	+3.40	1.65	−.94	2.07	−.95	4.52	+1.63	3.74	+.18	47.94	+4.20
Big Skin Creek	....	......	......	......	....	......	5.20	......	6.70	......	6.70	......	5.64	......	3.46	......	3.15	......	1.89	......	3.18	......	2.65	......	......	......
Brownsville	1.23	−2.36	4.40	+1.33	4.48	+1.01	5.03	+1.67	5.86	+1.63	5.15	+.84	5.73	+.93	2.90	−1.37	4.12	+.37	2.20	−1.22	3.98	+.31	2.55	−.77	47.63	+2.37
Buckhannon	1.98	−2.42	4.68	+.92	5.11	+.60	5.53	+1.64	9.04	+4.61	7.78	+3.07	4 84	+.12	3.44	−.65	4.50	+1.54	2.87	−.27	3.73	+.63	2.62	−1.56	56.12	+8.23
Cairo	1.38	−2.57	3.95	+.98	3.70	−.12	4.78	+1.32	3.05	−.37	5.93	+1.42	2.52	−1.90	4.20	+.33	2.40	−.40	2.78	−.14	3.34	+.46	2.58	−.87	40.61	−1.86
Clarksburg	.95	−2.36	4.05	+1.01	3.59	+.57	5.24	+1.87	6.48	+2.80	4.69	+.42	3.86	−.22	3.76	−.72	3.28	−.32	2.22	−.91	3.33	+.14	2.76	−.32	44.21	+1.96
Crawford	1.01	−2.47	3.95	+.63	4.40	+.07	5.28	+1.05	7.41	+2.92	6.77	+2.00	5.16	+.02	4.39	−.19	4.08	+.34	2.49	−1.00	3.10	−.54	2.06	−1.53	50.10	+1.30
Creston	1.04	−2.89	5.04	+1.85	4.32	+.22	4.82	+1.16	2.64	−1.07	8.97	+4.59	4.04	−.18	4.25	+.39	2.41	−.28	2.27	−.88	3.35	+.60	2.56	−.91	45.71	+2.60
Dailey	.81	......	3.29	......	2.69	......	4.58	......	5.31	......	6.21	......	4.56	......	3.71	......	4.78	......	2.67	......	2.70	......	1.64	......	42.95	......
Dam 10, Mon. R.	.97	−2.22	3.33	+.46	4.33	+.56	5.33	+1.86	5.02	+.95	4.08	−.26	3.35	−.73	3.95	−.11	3.18	−.34	1.71	−1.46	3.63	+.48	2.28	−1.14	41.16	−1.95
Dam 13, O. R.	.85	−2.28	4.14	+1.71	4.52	+1.09	5.20	+1.88	5.88	+2.46	5.86	+2.03	3.62	−.74	6.88	+3.51	2.53	−.45	1.85	−.84	3.59	+1.21	3.82	+.81	48.74	‡10.42
Dam 15, Mon. R	.99	−2.23	4.13	+1.14	4.09	+.95	5.02	+1.73	5.38	+1.78	6.91	+2.92	4.82	+.89	4.85	+.72	3.01	−.18	2.07	−1.17	4.06	+.77	2.69	−.44	48.02	+6.88
Dam 19, O. R.	1.15	−2.26	4.25	+1.68	2.95	−.59	4.72	+1.54	3.17	−.25	5.81	+1.89	3.94	+.01	6.12	+2.46	1.54	−1.12	1.82	−.83	3.66	+1.02	2.43	−.70	41.56	+2.85
Dam 20, O. R.	1.03	−2.59	3.94	+1.18	3.30	−.41	5.33	+2.09	3.22	−.24	5.93	+1.94	2.91	−1.02	6.56	+2.77	1.90	−.69	1.50	−1.25	3.09	+.49	2.37	−.77	41.08	+1.50
Elizabeth	1.59	−2.18	3.47	+.61	3.77	+.02	4.74	+1.57	2.54	−.89	4.49	+.28	2.08	−2.32	4.75	+.75	2.73	+.14	2.50	−.42	3.47	+.93	2.70	−.43	38.83	−1.94
Elk	1.69	......	3.73	......	4.56	......	6.67	......	6.81	......	6.93	......	3.41	......	3.71	......	3.63	......	2.21	......	3.17	......	2.38	......	48.90	......
Elkins	1.44	−2.34	4.55	+1.35	3.47	−.33	4.86	+1.24	5.97	+1.92	4.75	−.31	5.18	−.20	4.63	+.77	3.42	+.27	2.86	−.05	3.28	+.50	1.83	−1.63	46.24	+1.19
Fairmont	1.44	−2.49	3.09	+.07	3.88	−.09	5.54	+2.27	5.27	+1.39	6.49	+2.08	4.91	+.51	5.79	+1.79	2.71	−.24	1.80	−1.31	4.13	+1.37	2.94	−.55	47.99	+4.80
Glenville	1.56	−2.87	5.62	+2 05	4.88	+.59	4.99	+1.23	3.64	−.48	5.83	+1.44	5.07	+.20	2.81	−1.42	2.59	−.63	2.13	−1.08	3.73	+.68	2.48	−1.45	45.33	−1.74
Grafton	1.29	−2.28	3.89	+.98	4.05	+.29	5.78	+2.49	6.58	+2.90	6.56	+2.43	4.34	+.26	4.53	+.82	3.26	+.65	2.08	−.88	3.91	+1.48	2.52	−.56	48.79	+8.58
Hackers Creek	1.25	......	4.40	......	4.07	......	5.92	......	6.38	......	6.59	......	4.80	......	*3.65	......	*3.90	......	2.28	......	3.34	......	3.11	......	49.69	......
Hall	1.28	......	3.91	......	4.53	......	5.64	......	7.15	......	6.59	......	6.53	......	3.72	......	4.23	......	2.30	......	3.45	......	2.02	......	51.35	......
Harrison County Airport	1.00	......	3.30	......	3.25	......	4.98	......	5.97	......	4.62	......	4.62	......	3.37	......	2.59	......	2.04	......	3.29	......	2.95	......	41.98	......
Hastings	1.33	......	4.45	......	5.26	......	4.84	......	4.54	......	4.83	......	5.83	......	6.06	......	2.55	......	2.20	......	4.36	......	3.94	......	50.19	......
Horner	2.25	−1.78	3.67	+.02	4.25	+.49	6.08	+2.72	7.04	+2.37	6.94	+2.64	3.27	−1.53	3.09	−1.79	3.24	−.29	2.02	−1.67	2.57	−1.22	2.30	−1.23	46.72	−1.27
Ireland	1.78	......	4.37	......	4 56	......	5.33	......	6.80	......	5.85	......	4.36	......	3.30	......	4.34	......	2.36	......	3.54	......	1.95	......	48.54	......
Jane Lew	1.02	−2.24	4.09	+1.32	4.06	+.80	5.84	+2.19	6.42	+1.82	5.24	+1.17	4.87	−.07	3.75	−1.10	3.92	+.68	1.40	−1.92	3.72	+.40	2.86	−.22	47.19	+2.83
Kumbrabow State Forest	2.50	......	*4.90	......	*3.75	......	4.45	......	5.27	......	8.44	......	3.11	......	4.55	......	2.67	......	4.27	......	4.46	......	3.20	......	51.57	......
Lost Creek	1.34	−2.58	4.59	+1.51	4 65	+.73	5.83	+2.41	6.61	+2.46	4.99	+.66	4.08	−.25	3.51	−.72	4.15	+1.16	*2.10	−.89	*3.00	+.19	2.84	−.69	47.69	+3.99
Mannington	1.42	−2.70	4.50	+1.60	4.93	+.90	5.03	+1.33	7.36	+3.35	7.43	+3.15	5.15	+.36	4.44	+.36	2.64	−.75	2.05	−1.12	*4.60	+1.56	3.45	−.12	53.00	+7.92
Midvale	1.40	......	3.71	......	3.01	......	5.45	......	6.14	......	5.09	......	5.82	......	5.04	......	5.28	......	2.94	......	3.42	......	2.04	......	49.34	......
Morgantown	1.88	−1.58	3.03	+.47	*4.00	+.61	6.26	+3.11	4.98	+1.28	4.40	+.16	3.28	−1.10	3.90	−.11	3 00	+.13	2.11	−1.04	*4.20	+1.67	2.63	−.47	43.67	+3.13
Mt. Clare	1.10	......	3.97	......	4.19	......	5.96	......	5.79	......	4.95	......	4.34	......	2.83	......	3.37	......	2.03	......	3.29	......	2.77	......	44.59	......
New Cumberland	1.01	−1.83	4.08	+1.64	3.30	+.06	6.00	+2.72	5.33	+1.93	4.61	+.06	2.65	−1.43	3.33	−.06	1.96	−.95	1.14	−1.58	3.67	+1.35	3.26	+.50	40.34	+2.41
New Martinsville	....	......	......	......	....	......	....	......	....	......	......	......	....	......	5.23	+1.34	2.21	−.82	2.06	−1.06	3.93	+1.09	4.13	+.57	......	......
Parkersburg	1.25	−2.33	3.76	+.53	3.18	−.31	4.44	+1.25	3.77	+.39	6.36	+2.36	1.92	−2.37	5.59	+2.08	2.13	−.63	1.59	−.89	3.87	+1.30	2.42	−.61	40.28	+.77
Parsons	2.13	−2.48	5.33	+1.81	*3.85	−.36	5.88	+2.12	5.31	+1.18	7.16	+2.17	7.27	+2.18	5.24	+1.19	4.37	+1.22	2.57	−.70	3.52	+.59	2.35	−1.70	54.98	+7.22
Philippi	1.18	−2.96	4.15	+.97	4.31	+.17	6.83	+3.11	7.49	+3.22	5.14	+.45	6.22	+1.49	3.14	−1.10	4.05	+.75	2.20	−.94	3.43	+.50	1.98	−1.79	50.12	+3.87
Pickens	2.58	−3.74	6.52	+1.43	5.57	−.34	6.04	+.85	7.57	+2.32	10.48	+4.68	5.74	−.30	4.50	−.97	4.93	+.83	2.37	−1.67	4.48	+.26	3.75	−1.63	64.53	+1.72
Roanoke	.74	−2.86	4.20	+.82	4.80	+1.18	4.98	+1.40	6.17	+1.81	7.91	+3.60	6.03	+1.14	2.89	−1.45	2.96	−.44	2.44	−.98	2.83	−.54	2.40	−.97	48.35	+2.71
Rockford	1.39	......	4.44	......	5.02	......	6.49	......	6.47	......	6.53	......	6.75	......	4.11	......	3.79	......	1.87	......	2.76	......	2.91	......	52.53	......
Rowlesburg	1.25	−3.66	3.75	+.10	3.31	−1.54	8.43	+4.24	7.80	+3.17	5.55	+.18	4.69	−.51	4.85	+.32	4.18	+.70	1.96	−2.39	3.79	+.24	2.87	−1.51	52.43	−.66
St. Marys	1.42	−2.32	5.23	+2.30	4.38	+.46	5.57	+2.15	4.46	+.95	8.03	+3.86	2.56	−1.60	7.68	+3.59	2.31	−.39	2.26	−.60	4.18	+1.38	2.94	−.40	51.02	+9.38
Salem	1.06	......	3.51	......	4.57	......	5.55	......	5.56	......	4.89	......	3.63	......	4.10	......	3.42	......	2.91	......	3.99	......	3.09	......	46.28	......
Shinnston	1.21	......	3.57	......	4.51	......	5.15	......	5.16	......	4.05	......	3.79	......	3.34	......	2.20	......	1.25	......	6.02	......	3.45	......	43.70	......
Terra Alta	2.01	−2.87	3.55	−.04	3.51	−.93	7.35	+3.25	7.00	+2.02	8.04	+1.86	4.45	−.79	5.65	+.64	3.60	−.11	2.17	−1.72	4.86	+1.66	2.35	−2.39	54 54	+.58
Thomas	1.17	−2.81	3.78	+.22	4.19	−.92	6.88	+2.70	6.23	+.98	5.26	+.15	6.09	−.40	5.33	+.24	4.88	+.88	2.49	−1.75	3.61	+.62	2.07	−1.78	51.98	−1.87
Valley Chapel	1.20	−2.34	4.67	+1.60	4.28	+.59	6.04	+2.63	5.69	+1.80	6.50	+2.75	4.20	−.73	3.61	−.55	3.47	+.15	2.37	−1.04	3.89	+.62	3.43	+.21	49.35	+5.69
Valley Head	1.60	......	3.53	......	3.15	......	4.08	......	5.08	......	7.18	......	3.39	......	4.30	......	3.09	......	1.87	......	2.83	......	1.55	......	41.65	......
Vandalia	*1.60	−1.47	4.19	+1.17	3.90	+.70	5.32	+1.62	7.35	+3.77	6.90	+3.09	5.13	−.03	4.17	−.03	3.30	+.03	2.40	−.57	3.24	−.14	2.01	−.39	49.51	+7.75
Wellsburg	1.07	−1.98	4.21	+2.02	4.21	+1.02	6.50	+3.34	5.05	+1.85	4.87	+.73	3.14	−1.04	4.99	+1.43	1.67	−1.32	.96	−1.76	4.28	+1.71	3.65	+.74	44.60	+6.74
West Milford	1.80	−1.27	5.05	+1.72	4.25	+.71	5.85	+2.03	5.70	+1.97	6.45	+2.18	4.23	−.42	3.24	−1.38	3.00	−.27	2.30	−1.92	3.59	−.02	2.50	−.58	47.96	+2.75
Weston	1.65	−2.46	3.36	−.24	4.95	+.67	6.22	+2.71	5.82	+1.98	6.68	+2.34	4 83	+.41	3.36	−.34	3.85	+1.22	2.32	−.49	3.75	+.81	2.14	−1.49	48.93	+5.12
Wheeling (Dam 12)	1.11	−1.93	4.07	+1.78	4.65	+1.37	5.24	+2.01	3.96	+.86	4.94	+1.05	3.59	−.71	5.44	+1.89	2.99	+.07	1.47	−1.26	3.75	+1.32	4.06	+1.08	45.27	+7 53
Southern Division																										
Arbovale	2.24	−.57	2.37	−.50	2.97	−.84	3.68	+.46	5.04	+1.63	7.82	+4.07	5.11	+.40	4.37	+.06	2.27	−.26	1.52	−1.12	1.97	−1.11	1.43	−1.73	40.79	+.49
Beckley	1.46	−2.21	3.68	+.73	3.70	−.07	6.42	+2.94	4.32	+.69	7.20	+2.79	7.45	+3.07	9.09	+5.25	1.73	−.81	1.08	−1.90	2.20	−.39	2.38	−.93	50.71	+9.16
Bluefield	1.93	−1.08	3.56	+.63	2.30	−.82	4.01	+.90	2.91	−.21	4.58	+.35	6.77	+2.70	10.51	+6.90	1.29	−1.03	.98	−1.79	1.91	−.14	2.13	−.75	42.88	+5.66
Camden-on-Gauley	1.20	−2.26	3.81	+.82	3.83	−.61	3.99	+.22	5.24	−.05	8.15	+3.08	6.24	+1.33	6.26	+.79	2.42	−.94	1.54	−1.48	2.22	−1.42	1.78	−2.36	46.68	−2.88
Charleston	1.33	−2.70	4.72	+1.41	4.27	−.23	6.52	+2.65	1.95	−1.83	5.81	+1.42	2.79	−1.99	4.34	−.13	3.77	+.79	1.61	−1.43	2.67	−.40	1.31	−2.33	41.09	−4.77
Clay	1.87	−1.81	4.65	+1.39	4.00	−.15	3.73	+.29	2.43	−1.36	8.09	+3.58	6.67	+1.69	5.89	+1.40	3.66	+.44	1.85	−1.13	2.46	−.44	1.80	−1.70	47.10	+2.20
Flat Top	2.13	......	3.22	......	3.34	......	6.17	......	3.55	......	8.54	......	7.82	......	*8.25	......	1.71	......	.71	......	2.68	......	2.55	......	50.67	......
Gary	1.06	−2.39	2.78	−.36	2.06	−2.10	3.88	+.39	3.83	−.14	5.36	+.29	8.28	+3.35	6.51	+2.40	2.06	−.93	.77	−2.13	1.31	−1.39	1.72	−1.65	39.62	−4.66
Greenbottom	1.21	......	4.66	......	4.50	......	3.62	......	1.83	......	5.45	......	2.72	......	5.26	......	2.57	......	1.42	......	3.36	......	2.29	......	38.69	......
Hinton	1.60	−1.66	2.56	−.33	2.11	−1.79	4.03	+.83	4.44	+.89	5.62	+1.32	3.99	−.08	5.99	+1.83	3.01	+.32	.60	−2.23	2.28	−.13	1.96	−1.22	38.19	−2.25
Hogsett	1.65	−2.19	4.48	+1.55	5.02	+1.14	4.09	+.82	2.06	−1.62	5.84	+1.81	1.90	−1.98	5.00	+1.84	2.48	+.30	1.30	−1.33	3.16	+.48	2.47	−.79	39.45	+.03
Huntington	.99	−2.80	4.69	+1.61	3.78	−.44	3.25	−.26	2.24	−1.73	6.46	+2.23	3.66	−.64	3.10	−.60	2.53	+.08	.97	−1.55	2.70	+.18	2.02	−1.35	36.39	−5.27
Institute	1.04	......	4.02	......	3.35	......	3.82	......	2.63	......	6.74	......	1.66	......	2.14	......	2.71	......	1.29	......	2.48	......	1.64	......	33.52	......
Kanawha Falls	1.00	−2.21	3.35	+.71	2.19	−1.01	2.98	−.74	3.57	−.33	6.06	+1.98	1.30	−3.56	3.79	−1.10	1.20	−1.96	.78	−2.52	1.20	−1.93	1.19	−2.17	28.61	−14.84
Kayford	1.05	−3.17	3.82	+.38	3.40	−1.24	3.97	−.09	4.72	+.32	8.16	+2.97	6.35	+1.18	4.01	−.82	2.20	−1.18	.51	−2.81	2.15	−1.00	1.34	−2.57	41.68	−8.03
Lewisburg	1.58	−1.77	1.93	−.86	2.17	−1.47	4.59	+1.27	6.12	+2.76	4.48	+.54	5.29	+1.40	5.34	+1.39	.77	−1.92	.77	−2.23	2.72	+.24	1.48	−1.63	37.24	−2.28
Logan	.84	−3.58	4.24	+.74	2.73	−1.99	3.85	−.30	1.78	−2.33	8.35	+3.46	3.86	−1.07	3.09	−1.40	2.83	−.32	.76	−2.29	2.35	−.88	1.37	−2.73	36.05	−12.69

* Interpolated ‡ Plus

Continued on next page.

Monthly and Annual Precipitation for 1940, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
London Locks	0.70	......	3.49	......	2.89	......	4.64	......	2.60	......	6.63	......	5.14	......	4.96	......	2.88	......	1.34	......	2.06	......	1.43	......	38.76	......
Madison	.96	-3.14	4.60	+1.37	2.39	-1.79	3.17	-0.67	1.71	-2.62	6.82	+2.66	4.51	-0.82	2.94	-0.88	2.73	-0.73	1.21	-1.42	2.13	-0.52	1.19	-1.71	34.36	-10.27
Marlinton	2.73	-1.47	2.47	-.83	2.65	-1.89	4.56	+.94	5.50	+1.56	5.95	+1.14	5.15	+.36	7.98	+3.30	1.43	-1.58	1.12	-1.87	3.77	+.83	2.38	-1.52	45.69	-1.03
Mullens	....	......	....	......	....	......	....	......	....	......	......	......	5.88	......	4.88	......	2.82	......	.35	......	1.78	......	1.53	......	......	......
Point Pleasant	1.48	-2.47	5.43	+2.28	4.96	+.87	4.79	+1.48	2.14	-1.85	5.53	+1.45	3.39	-.75	6.28	+3.07	2.50	+.09	.81	-2.00	3.96	+1.13	2.75	-.75	44.02	+2.55
Princeton	....	......	....	......	....	......	....	......	....	......	......	......	5.20	......	6.34	......	1.19	......	.82	......	1.47	......	2.25	......	......	......
Rainelle	1.78	......	4.05	......	4.18	......	5.98	......	5.98	......	9.73	......	7.55	......	11.34	......	1.42	......	1.02	......	3.27	......	2.55	......	58.85	......
Ravenswood (Dam 22)	1.14	-2.46	4.36	+1.39	3.87	-.02	4.32	+1.16	2.86	-.85	5.11	+.97	4.18	+.16	4.29	+.94	2.20	-.10	1.65	-1.14	3.54	+.82	2.12	-1.20	39.64	-.33
Richwood	1.86	......	5.82	......	4.19	......	3.74	......	5.62	......	9.94	......	6.94	......	8.83	......	2.26	......	1.47	......	2.88	......	2.60	......	56.15	......
Ryan	1.18	-2.87	4.52	+1.24	3.80	-.56	4.22	+.44	2.42	-1.22	8.34	+3.69	4.25	-.35	4.11	+.03	2.18	-.82	1.82	-1.34	2.55	-.32	1.74	-1.51	41.13	-3.59
Seneca State Forest	1.90	......	2.39	......	2.74	......	4.87	......	5.64	......	8.26	......	4.53	......	6.16	......	1.03	......	1.30	......	4.15	......	2.05	......	45.02	......
Spencer	1.93	-2.08	5.08	+1.93	3.39	-.68	5.11	+1.72	2.11	-1.54	5.60	+1.09	2.34	-1.90	4.05	+.08	2.50	-.38	2.08	-1.08	2.90	+.23	2.17	-1.24	39.26	-3.85
Sutton	2.24	-2.30	3.84	+.40	3.90	-.44	4.93	+1.08	4.43	+.07	5.18	+.22	6.36	+1.03	3.67	-.58	4.31	+.96	2.62	-.37	3.45	+.25	1.90	-1.92	46.83	-1.60
Thornwood	1.56	......	2.79	......	3.42	......	4.50	......	4.86	......	9.16	......	4.13	......	5.27	......	1.50	......	2.29	......	2.40	......	1.58	......	43.46	......
Union	1.58	-1.57	2.58	-.27	2.55	-1.00	3.66	+.77	4.95	+1.78	3.38	-.61	5.68	+1.89	5.42	+1.49	.94	-1.61	.72	-2.01	2.04	-.30	1.75	-1.17	35.28	-2.61
Wayne	1.31	-2.45	5.09	+2.17	4.26	-.34	3.48	-.18	2.61	-.97	5.71	+1.69	2.13	-2.46	2.24	-2.01	2.20	-.89	.62	-2.26	2.46	-.60	1.80	-1.23	33.91	-9.53
White Sulphur Springs	1.39	-1.94	2.60	-.03	2.85	-.72	5.65	+2.37	4.40	+.93	5.70	+1.72	5.45	+1.53	7.35	+3.76	.50	-2.34	1.15	-1.66	2.85	+.57	1.85	-1.25	41.69	+2.89
Williamson	1.08	-2.87	3.88	+.53	2.95	-1.59	3.92	+.24	1.42	-2.66	5.01	+.24	3.45	-.98	4.00	+.01	2.97	-.02	.48	-2.31	2.44	-.38	1.75	-2.03	33.35	-11.82
Winfield Locks	1.52	......	4.63	......	3.47	......	3.74	......	2.46	......	8.59	......	.98	......	4.95	......	1.97	......	1.20	......	2.14	......	1.92	......	37.57	......

Monthly and Annual Mean Temperatures for the Year 1940, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	14.3	-14.5	27.2	-2.4	32.0	-5.7	41.2	-2.5	53.0	-3.4	64.2	+0.7	65.8	-1.8	63.4	-2.4	54.2	-6.7	47.4	-1.8	35.4	-3.7	30.8	+2.7	44.1	-3.5
Brandywine	20.3	-10.6	34.6	-.1	39.3	-2.1	48.5	-1.4	60.0	+1.4	69.8	+2.8	71.0	-.3	69.0	-.9	59.8	-4.9	52.8	-.5	42.0	.0	38.8	+4.6	50.5	-1.0
Inwood	20.3	......	33.0	......	36.9	......	45.7	......	61.6	......	72.9	......	77.0	......	71.0	......	64.8	......	54.3	......	44.8	......	40.6	......	51.9	......
Kearneysville	21.2	......	34.2	......	38.1	......	49.6	......	62.5	......	71.6	......	74.4	......	70.0	......	63.2	......	52.6	......	44.9	......	39.8	......	51.8	......
Martinsburg	21.6	-9.4	34.2	+2.8	38.1	-3.5	49.1	-2.5	63.2	+.4	72.4	+1.4	76.4	+.7	71.0	-2.0	64.6	-2.3	52.8	-1.9	44.6	+1.4	39.1	+5.1	52.3	-.8
McNeill	18.0	-13.0	33.4	+1.1	36.2	-4.8	45.6	-6.2	57.2	-3.0	67.4	-.4	71.2	-.4	68.4	-2.9	60.4	-5.4	52.2	-1.9	43.5	+1.2	38.6	+6.0	49.3	-2.5
Petersburg	21.2	......	34.6	......	39.4	......	50.0	......	62.6	......	72.3	......	73.0	......	71.1	......	61.6	......	54.0	......	45.0	......	40.2	......	52.1	......
Piedmont	20.3	-10.6	32.4	-1.4	36.8	-4.4	47.2	-3.2	60.2	+.2	69.8	+1.7	72.1	-.2	69.1	-1.4	61.6	-4.1	52.4	-1.0	42.6	+.4	37.4	+4.4	50.2	-1.6
Romney	22.0	-9.5	34.8	+.6	39.4	-3.0	49.3	-2.4	61.9	-1.0	71.0	+1.1	72.8	-2.1	70.2	-2.4	62.6	-4.2	54.6	-.3	46.2	+3.1	40.0	+5.5	52.1	-1.2
Wardensville	20.8	-10.0	35.0	+1.2	38.7	-3.2	46.6	-3.0	59.4	.0	69.3	+3.8	71.6	+1.0	67.7	-1.8	60.4	-3.8	51.2	-1.4	42.6	-1.3	38.0	+4.3	50.1	-1.2
Northern Division																										
Alpena	16.0	......	27.8	......	32.8	......	43.6	......	53.2	......	64.9	......	66.0	......	65.6	......	55.8	......	48.4	......	38.2	......	37.8	......	45.8	......
Benson	18.4	-15.7	33.3	-4.7	37.8	-2.5	49.0	-3.6	58.8	-2.0	70.3	+2.1	72.0	-.5	72.1	+1.4	61.9	-5.0	55.2	+2.3	43.6	+.5	41.2	+5.0	51.1	-1.9
Bens Run	20.5	-12.4	33.5	+.7	39.6	-3.9	48.8	-4.0	61.5	-1.5	72.6	+1.8	77.0	+1.9	75.2	+1.6	65.6	-2.8	53.9	-2.7	43.2	-.9	39.6	+4.8	52.6	-1.4
Brownsville	22.4	-12.2	37.5	-.1	43.0	+1.1	50.4	-1.9	63.6	+2.0	72.7	+3.2	73.6	-.2	74.0	+1.8	63.0	-4.6	55.0	+.4	44.0	-.6	42.7	+6.1	53.5	-.4
Buckhannon	18.4	-14.1	30.9	-2.2	38.0	-3.9	50.6	-.5	60.6	-.5	69.7	+1.3	70.8	-1.0	69.5	-.4	60.1	-4.4	53.9	+.1	43.8	+1.6	41.8	+7.6	50.7	-1.3
Cairo	20.9	-13.5	34.8	+.6	41.8	-2.5	51.2	-2.8	61.0	-2.1	71.7	+1.4	73.4	-.9	73.4	+.9	64.0	-4.1	55.4	-.4	44.1	+.4	42.3	+7.6	52.8	-1.3
Clarksburg	18.0	-14.6	30.9	-3.7	37.4	-2.3	47.2	-4.0	59.9	-.4	71.0	+1.6	72.6	-1.2	72.0	.0	61.7	-5.8	53.6	+.2	41.8	-1.0	39.0	+3.8	50.4	-2.3
Creston	19.5	-14.6	34.4	-.3	40.1	-3.9	48.6	-4.8	59.6	-3.5	68.8	-1.9	71.4	-3.3	72.2	-.9	64.4	-3.4	56.6	+.9	45.0	+.8	42.3	+7.0	51.9	-2.3
Elkins	18.8	-11.6	31.8	+.2	36.7	-3.3	46.9	-1.9	57.5	-1.7	68.0	+1.1	69.4	-.9	69.6	+.5	63.0	-3.6	52.2	-.1	41.4	+1.1	40.6	+7.9	49.7	-1.0
Fairmont	19.1	-13.1	31.5	-1.6	37.8	-3.7	48.6	-3.2	60.8	-1.3	71.7	+1.4	73.8	-.5	72.3	-.4	63.0	-4.4	54.7	-.4	42.6	-.3	39.2	+5.2	51.3	-1.9
Glenville	19.8	-14.0	33.4	-1.2	39.0	-5.7	49.6	-4.3	63.7	+.1	73.8	+2.7	76.2	+.9	76.2	+2.3	66.6	-1.9	58.5	+2.3	46.4	+2.1	44.2	+8.3	54.0	-.7
Grafton	21.2	-11.4	34.8	+2.2	40.0	-1.5	50.6	-.9	61.4	-.1	71.8	+2.7	74.0	+1.4	73.2	+1.8	63.7	-3.4	56.0	+.8	44.8	+1.7	42.6	+8.4	52.8	+.1
Harrison County Airport	19.0	......	32.6	......	37.6	......	48.0	......	59.8	......	70.9	......	72.2	......	71.5	......	60.8	......	54.8	......	43.7	......	41.4	......	51.0	......
Lost Creek	19.6	-13.3	33.8	+1.1	38.9	-3.5	48.5	-2.1	59.9	-.5	70.0	+2.4	72.2	.0	72.1	+1.4	61.6	-3.8	*55.0	+.8	*43.4	+.8	40.8	+6.4	51.3	-.9
Mannington	19.2	-12.7	32.2	-.6	37.8	-4.5	47.9	-3.2	58.8	-1.6	68.7	+.9	70.0	-1.8	69.8	-.4	60.0	-4.9	52.6	-1.0	41.8	-.2	40.0	+6.4	49.9	-2.0
Morgantown	19.6	-12.7	31.4	-1.4	37.0	-5.1	51.0	-.7	59.1	-3.0	71.4	+2.1	72.6	-.9	*72.9	+.9	*62.2	-5.3	55.6	+.4	*43.0	-.8	40.8	+6.4	51.4	-1.7
New Cumberland	18.6	-10.0	30.4	+1.3	35.2	-4.2	46.2	-3.0	59.0	-1.2	69.7	+1.5	72.3	-.7	71.6	+.8	63.5	-2.0	54.4	+.4	43.0	+1.4	39.5	+7.8	50.3	-.7
New Martinsville	......	......	......	......	......	......	......	......	......	......	......	......	......	......	74.4	+.7	64.7	-3.8	55.4	-1.4	43.3	-1.5	39.4	+4.1	......	......
Parkersburg	20.2	-12.3	33.6	-.7	40.2	-2.6	49.8	-3.6	61.4	-2.4	72.6	+1.2	74.9	-.5	74.4	+.5	63.8	-3.5	56.4	+.3	44.0	+.2	41.9	+6.7	52.8	-1.4
Parsons	20.2	-14.3	33.4	+1.7	*37.0	-3.5	48.4	-.8	59.3	+.5	69.9	+3.0	71.9	+1.1	71.2	+1.8	62.0	-1.7	55.4	+3.9	44.4	+3.2	42.9	+10.6	51.3	+.5
Pickens	16.0	-14.9	30.0	-1.9	34.4	-4.8	47.5	-.6	56.2	-1.9	64.8	-.1	65.5	-3.1	66.6	+.1	57.0	-4.8	50.3	-1.4	38.2	-2.2	37.6	+5.4	47.0	-2.5
Terra Alta	13.6	-14.3	26.6	-2.2	31.8	-6.1	44.2	-2.6	57.5	+.1	66.6	+1.9	67.2	-1.0	66.4	-.4	55.4	-6.4	48.6	-.4	38.4	-2.2	[h]36.6	+6.0	46.1	-2.3
Valley Chapel	21.0	-14.1	36.1	-2.4	40.6	-1.9	51.1	-2.0	61.0	-.6	72.3	+2.7	74.4	+.4	-73.5	+1.0	63.4	-4.6	56.5	+1.1	45.4	+.4	43.2	+5.7	53.2	-1.2
Wellsburg (near)	18.2	-12.0	30.8	+.8	36.2	-3.6	46.8	-2.8	59.1	-1.1	69.8	+1.8	71.6	-.6	70.4	+.1	61.3	-3.6	51.1	-2.4	41.2	-.6	38.7	+6.3	49.6	-1.5
Weston	22.0	-12.1	35.3	+1.4	41.4	-2.4	51.0	-1.8	62.2	-.5	73.9	+3.5	75.3	+.9	74.5	+1.8	64.8	-2.5	57.2	+1.7	45.7	+1.7	43.6	+7.8	53.9	-.1
Wheeling (Dam 12)	18.8	-11.6	30.0	-2.1	36.0	-4.5	47.0	-4.6	60.0	-1.8	71.6	+1.0	74.4	-.4	73.2	+.4	64.0	-3.4	54.1	-.8	41.5	-.7	38.4	+5.8	50.8	-1.9
Southern Division																										
Beckley	17.8	-15.6	30.4	-4.3	35.0	-7.6	47.5	-2.7	56.0	-3.9	65.2	-2.2	70.8	-.4	*67.6	-1.7	*60.3	-3.8	53.2	-1.2	42.6	-.7	39.8	+5.3	48.8	-3.3
Bluefield	22.3	-12.6	35.4	+.6	39.8	-4.6	51.8	-1.8	60.0	-1.6	68.8	-1.3	70.4	-1.2	69.5	-1.0	61.4	-4.8	55.4	-.3	44.6	-.3	43.4	+6.5	51.9	-1.9
Charleston	24.4	-13.5	37.2	-2.0	42.4	-5.0	52.5	-3.8	62.4	-3.0	73.5	+.4	75.4	-1.5	74.8	-.5	65.6	-5.3	56.6	-2.3	45.4	-2.5	41.9	+2.3	54.3	-3.1
Flat Top	16.1	......	30.6	......	33.7	......	45.6	......	56.3	......	63.8	......	66.2	......	*65.0	......	57.3	......	50.4	......	39.0	......	37.2	......	46.8	......
Gary	23.1	-12.0	34.9	-3.0	40.4	-2.1	51.8	-1.6	60.2	-.9	70.3	+1.0	72.6	-.5	71.7	-.3	63.2	-5.3	55.7	+.1	44.3	-.7	42.0	+4.2	52.5	-1.8
Greenbottom	22.5	......	33.6	......	41.2	......	50.4	......	61.6	......	72.1	......	74.2	......	74.9	......	65.8	......	57.8	......	44.6	......	42.0	......	53.4	......
Hinton	24.6	-9.9	36.7	+1.2	40.6	-3.5	*51.4	-1.8	63.2	-.2	72.6	+2.1	75.2	+.8	73.2	-.1	64.8	-3.2	57.2	+.2	44.8	+.7	42.0	+6.2	53.9	-.6
Huntington	24.8	-9.2	37.2	+2.5	44.2	-.8	54.2	-.4	64.3	-.4	75.2	+2.3	77.2	+.6	77.2	+2.4	67.8	-1.2	59.6	+3.2	48.2	+3.9	45.0	+9.4	56.2	+1.0
Institute	23.8	......	35.8	......	41.2	......	51.5	......	62.8	......	73.0	......	75.9	......	76.0	......	66.1	......	57.0	......	45.8	......	43.0	......	54.3	......
Lewisburg	21.2	-11.2	33.8	+.5	38.8	-3.3	49.9	-.6	59.6	-.5	68.4	+1.2	70.0	-1.0	68.8	-.6	60.6	-3.7	53.8	+.6	42.6	+.7	40.0	+6.8	50.6	-1.0
Logan	25.6	-13.4	36.8	-2.7	43.2	-9.1	53.4	-3.9	64.2	-2.8	74.0	+.4	76.1	+.1	76.0	+1.0	67.4	-3.0	59.4	-.7	46.5	-.8	43.3	+4.2	55.5	-2.5
London Locks	24.8	......	35.7	......	41.6	......	51.6	......	62.2	......	72.4	......	74.8	......	74.6	......	66.2	......	58.2	......	45.8	......	42.8	......	54.2	......
Madison	22.4	-14.2	34.4	-2.2	42.7	.0	52.8	-1.5	63.7	-.1	73.3	+1.0	74.8	.0	74.4	.0	62.8	-4.9	54.9	-.7	42.6	-.9	39.3	+4.3	53.2	-1.6
Marlinton	20.8	-7.2	32.8	+1.0	37.4	-.5	48.8	+2.0	59.2	+2.2	68.8	+4.5	71.2	+3.6	70.2	+4.0	60.9	-.3	54.3	+4.7	44.0	+6.4	39.8	+10.4	50.7	+2.6
Point Pleasant	22.2	-11.9	35.6	+2.2	42.6	-2.6	53.3	-1.6	62.6	-2.1	73.0	+.6	75.6	-.8	75.6	+.9	65.8	-.1	57.0	-.2	45.2	-.1	41.2	+5.4	54.1	-.9
Rainelle	18.8	......	31.6	......	36.0	......	47.3	......	56.0	......	65.8	......	67.6	......	67.1	......	57.6	......	50.6	......	40.6	......	40.0	......	48.2	......
Ravenswood (Dam 22)	24.0	-11.4	35.6	-3.2	41.9	-1.4	52.0	-1.8	62.8	+.9	72.8	+2.3	75.2	+.1	75.4	+2.5	65.8	-3.6	56.8	+.5	46.2	+.5	43.7	+5.8	54.4	-.7
Richwood	19.0	......	31.3	......	35.6	......	46.8	......	57.0	......	65.8	......	71.8	......	68.8	......	58.2	......	50.1	......	38.8	......	38.2	......	48.4	......
Ryan	19.4	-13.6	34.4	+.1	39.0	-3.8	48.9	-3.1	58.0	-3.2	67.8	-1.0	70.4	-2.7	69.8	-1.9	60.9	-3.7	50.6	-2.1	40.5	-2.9	39.6	+5.1	49.9	-2.8
Seneca State Forest	18.2	......	31.4	......	36.8	......	46.4	......	54.4	......	65.4	......	67.9	......	65.8	......	55.8	......	50.0	......	41.0	......	39.2	......	47.7	......
Spencer	21.2	-12.5	34.0	-1.2	40.8	-2.1	49.6	-3.2	61.4	-.6	70.8	+1.1	73.1	-.5	73.9	+1.6	63.0	-3.5	55.9	+1.0	44.4	+.3	41.4	+4.9	52.5	-1.2
Sutton	22.8	-11.5	36.0	-.1	41.2	-3.0	51.4	-1.4	61.8	-1.5	72.6	+1.3	75.0	+.2	74.6	+1.5	64.9	-3.8	57.0	+.3	44.9	+.9	43.1	+7.9	53.8	-.7
Union	22.2	-11.1	35.4	+.2	40.2	-3.2	48.6	-3.2	58.4	-2.5	68.2	+.4	69.6	-2.0	68.6	-1.6	60.4	-5.7	52.4	-2.0	40.7	-1.7	38.0	+4.0	50.2	-2.4
White Sulphur Springs	19.8	-12.3	31.9	-3.6	37.2	-5.4	46.4	-5.0	60.4	-.1	71.5	+3.5	72.0	+.4	71.4	+1.1	61.4	-3.5	53.2	+.8	41.6	-.5	38.1	+5.0	50.4	-1.6
Williamson	25.8	-10.2	36.8	-.6	43.6	-3.1	53.8	-1.7	63.8	-1.2	74.7	+2.1	76.7	+.6	76.0	+1.2	67.2	-2.5	59.2	+1.4	46.7	+1.1	43.2	+5.6	55.6	-.6
Winfield Locks	23.1	......	35.0	......	40.8	......	51.2	......	62.4	......	72.8	......	75.4	......	75.3	......	65.0	......	57.0	......	45.2	......	42.0	......	53.8	......

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* Interpolated.

[h] 8 days missing.

(WBO, Cleveland, 3-13-41—1200)

E

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., JANUARY 1941 No. 1

GENERAL SUMMARY

The month averaged very nearly normal in temperature, being only 0.1° below the normal. There were two cold periods: 5-8th and 19th-22d. The warm periods in the northeastern panhandle division were: 1st-3d, and the 15-17th; in the northern division were: 1st-3d, 12-14th, and the 22d-24th; in the southern division were: 1st-3d, 17-18th, and 22-23d. Temperatures of zero or lower were reached generally at the higher elevations on the 21st and also at a few southern stations on the 6th.

Except for a few places in the northeastern panhandle division, all stations were below normal in precipitation. Deficiencies were two inches or more in Wayne, Boone and Logan counties, the greatest being 2.61 inches below the normal at Logan. On the 25th the northern panhandle counties were hit by a heavy snowfall, followed by sleet and then rain, making highway travel hazardous. Hancock county reported a five-inch snowfall. At the same time the Allegheny mountains were swept by a sleet storm which affected travel in Mineral, Grant, Hampshire and Preston counties. On the 26-27th the mountain sections were again blanketed with a six-inch snow. The deepest snows were in Preston, Tucker, Randolph, Grant, Hampshire, and Hardy counties. The greatest number of snow-lying days was at Stony River Dam, where for 20 days there was measurable snow upon the ground.

The navigable rivers were ice-free throughout the month. Winter grains and pastures were in good condition at the close of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 66 stations, was 32.5°, or 0.1° below the normal. The mean for the northeastern panhandle division was 30.0°; for the northern division, 32.6°; and for the southern division, 33.3°. The highest monthly mean was 36.8° at Huntington and the lowest, 24.6° at Bayard. The highest temperature was 66° at Parsons on the 2d and the lowest, −6° at Terra Alta on the 21st. The greatest daily range was 52° at Bayard on the 22d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 2.73 inches, or 0.90 inch below the normal. In the northeastern panhandle division the average was 2.15 inches; in the northern division, 3.03 inches; and in the southern division, 2.59 inches. The greatest monthly precipitation was 6.27 inches at Pickens and the least, 1.07 inches at Brandywine. The greatest amount in any 24 consecutive hours was 1.37 inches at Pickens on the 16th. The average monthly snowfall was 5.1 inches, or 2.9 inches below the normal. The greatest monthly snowfall was 22.5 inches at Alpena. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	4	2	2	..	1	..	2	1	2	..	..	..	7	4	9	1	9	4	..	..	1	..	4	5	8	5	3	4	2	1	..
Gales	..	1	..	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	1	2	1	1	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	1	..	1	1	..	..	..	..	3	2	5	..	..	2	5	15	4	2	..	..	..	..	1	6	4	3	3	3	1	4	2
Thunderstorms	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.20	30.63	6	29.53	17	7.8	26	w.	4	86	71	74	32
Columbus, Ohio	30.17	30.61	7	29.55	17	9.6	34	w.	4	88	73	78	19
Elkins	30.19	30.62	7	29.64	17	6.5	30	w.	4	82	72	81	26
Parkersburg	30.18	30.62	6	29.59	17	5.8	29	nw.	4	81	69	74	17
Pittsburgh, Pa	30.16	30.58	7	29.59	17	11.5	36	w.	4	85	72	78	15
Wytheville, Va	30.16	30.57	7	29.72	17	7.6	32	w.	4	84	....	73	41

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches)					Average no. of days			
				Average								
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	......	......	3.24	4.23	3.24	3.64	......	......	......	......	......
1892	29.4	76	−3	2.95	3.57	2.66	3.15	......	11	......	......	......
1893	22.6	71	−25	2.26	2.87	2.02	2.49	......	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	......	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	......	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	14	8
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.81	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4.82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	8.50	.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	16
1940	20.5	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
Period	32.6	83	−34	3.12	3.91	3.61	3.63	8.0	12	9	6	16

Climatological Data for January 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	24.6	−4.2	54	1	−4	21	52	3.08	−1.42	0.92	15.4	15	7	5	19	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	31.0	+.1	55	1	3	6	44	1.07	−1.27	.57	3.0	4	19	0	12	n.	E. L. Keister
Harpers Ferry	Jefferson	400	52	......	......	......	......	......	......	....	2.84	+.13	.70	6.5	10	....	....	....	......	Miss Eleanor White
Inwood	Berkeley	569	9	31.2	......	51	23	9	21	30	2.41	......	.60	8.0	10	9	11	11	nw.	H. W. Prettyman
Kearneysville	Jefferson	548	11	30.9	−3.0	51	23	10	30	27	2.36	−.42	1.05	....	11	7	12	12	n.	University Exper. Station
Martinsburg	Berkeley	435	49	30.2	−.8	51	§23	13	21	37	3.16	+.65	1.00	10.5	11	15	11	5	ne	Dr. H. S. Gardner
McNeill	Hardy	800	45	30.6	−.4	57	17	1	21	45	1.93	−.45	.73	4.0	8	4	10	17	w.	R. E. Saville
Piedmont	Mineral	1,053	28	30.1	−.8	45	1	9	21	28	2.69	+.11	.82	7.3	7	4	8	19	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	43	31.4	−.1	55	23	9	21	30	2.49	+.10	1.00	6.5	7	7	10	14	.....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	......	......	......	......	......	......	....	1.68	......	.28	9.0	11	....	....	....	......	Moses R. Bennett
Stony River Dam	Grant	3,300	21	......	......	......	......	......	......	..	1.84	−.97	.40	13.0	10	3	5	23	w.	A. C. Becker
Wardensville	Hardy	1,200	20	29.6	−1.2	55	22	5	21	40	1.82	−.31	.39	5.9	9	4	14	13	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	......	......	......	......	......	......	....	3.09	−.31	.65	4.2	14	4	5	22	......	L. Esle Bond
Alma (near)	Tyler	800	14	......	......	......	......	......	......	....	2.59	−.07	.85	2.2	15	3	6	22	......	H. W. & T. J. Furbee
Alpena	Randolph	2,571	10	28.1	−2.8	56	1	−2	21	48	4.10	−.47	.40	22.5	19	3	7	21	......	Christian Hertig
Benson	Harrison	1,080	17	34.2	+.1	60	2	5	21	43	3.41	−.20	.62	6.2	14	5	11	15	......	R. D. Marts
Bens Run	Pleasants	652	39	32.0	−.9	53	§2	11	5	21	3.54	−.44	1.04	2.2	14	10	7	14	......	Mrs. C. W. Rea
Brownsville	Lewis	1,032	18	35.8	+1.2	56	§18	8	20	48	2.87	−.72	.64	....	13	4	12	15	......	M. D. Hawkins
Buckhannon	Upshur	1,411	44	33.8	+1.3	63	22	8	21	41	3.36	−1.04	.77	3.5	11	7	9	15	......	H. A. Darnall
Cairo	Ritchie	680	40	34.0	−.4	61	§2	3	20	40	2.54	−1.41	.80	3 0	13	2	11	18	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	31.8	−.8	57	17	8	§21	37	2.68	−.63	.83	1.9	14	2	4	25	......	Clarksburg Water Board
Crawford	Lewis	1,107	18	......	......	......	......	......	......	....	3.03	−.45	.71	2.7	14	5	6	20	nw.	George W. Blair
Creston	Wirt	640	39	35.0	+.9	60	17	5	20	41	2.71	−1.22	.65	1.2	14	4	6	21	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	......	......	......	......	......	......	....	2.49	−.70	.62	1.7	18	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	25	......	......	......	......	......	......	....	2.87	−.26	.95	4.2	18	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	20	......	......	......	......	......	......	....	2.53	−.69	.74	1.2	13	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	25	......	......	......	......	......	......	....	2.41	−1.00	.76	T.	14	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	......	......	......	......	......	......	....	2.63	−.99	.65	.5	10	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	......	......	......	......	......	......	....	2.30	−1.47	.55	1.0	10	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	40	31.1	+.7	57	1	3	21	43	3.31	−.47	.81	6.2	21	2	6	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	31.6	−.6	59	17	10	21	43	2.90	−1.03	.93	2.7	15	3	5	23	w.	J. C. Robinson
Glenville	Gilmer	738	47	36.1	+2.3	62	17	6	20	42	3.04	−1.39	.73	8	13	3	7	21	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	34 4	+1.8	62	1	6	21	41	2.93	−.64	.71	3.3	13	7	5	19	....	L. W. Clayton
Hastings	Wetzel	809	6	......	......	......	......	......	......	....	3.27	......	.89	.9	16	2	7	22	ne.	L. G. McIntyre
Horner	Lewis	1,044	18	......	......	......	......	......	......	....	3.08	−.95	.73	....	10	....	....	....	......	Foster R. Hardman
Jane Lew	Lewis	1,020	18	......	......	......	......	......	......	....	2.84	−.42	.74	2.5	14	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	32.8	−.1	59	17	8	21	36	2.96	−.96	.54	6.1	13	2	7	22	nw.	Chas. H. Washburn
Mannington	Marion	974	38	32.2	+.3	56	§2	5	21	37	3.11	−1.01	.64	6.1	20	2	6	23	w.	James A. Morgan
Morgantown	Monongalia	1,300	48	31.4	−.9	58	17	7	5	29	3.45	−.01	.80	8.0	15	8	1	22	nw.	Bruce Davis
New Cumberland	Hancock	671	43	31.4	+2.8	62	1	9	14	33	3 01	+.17	.84	12.5	17	4	0	27	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	33.2	+.1	56	§2	10	21	35	3.40	−.58	.92	5.0	11	5	6	20	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	33.4	+.9	61	2	10	20	30	2.72	−.86	1.14	2.5	13	4	2	25	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	33.2	−1.3	66	2	4	21	47	2.60	−2.01	1.30	4.0	7	9	0	22	......	J. W. Swisher
Philippi	Barbour	1,300	44	......	......	......	......	......	......	....	2.63	−1.51	.56	4.6	13	....	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	29.1	−1.8	55	15	0	21	44	6.27	−.05	1.37	17.0	17	6	5	20	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	......	......	......	......	......	......	....	3.15	−.45	.69	4.3	15	2	6	23	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	......	......	......	......	......	......	....	3.78	−1.13	.93	10.5	15	....	....	....	......	W. H. Bolyard
Saint Marys	Pleasants	625	33	......	......	......	......	......	......	....	3.41	−.33	.84	2.9	15	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	40	27.6	−.3	60	3	−6	21	45	3.51	−1.37	.50	18.5	16	11	1	19	e.	Earl Lee
Thomas	Tucker	3,000	12	......	......	......	......	......	......	....	3.29	−.69	.75	15.0	14	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	18	^{c}36.0	+.9	62	1	......	......	....	2.89	−.65	.57	4.0	13	3	9	19	w.	S. A. Spence
Vandalia	Lewis	1,120	18	......	......	......	......	......	......	....	2.90	−.17	.80	5.0	8	....	....	....	......	James B. Kelley
Wellsburg (near)	Brooke	668	34	30.2	.0	56	3	5	21	37	1.87	−1.18	.42	5.0	8	4	3	24	......	George P. Pfister
West Milford	Harrison	979	16	......	......	......	......	......	......	....	3.13	+.06	.58	3.5	11	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	46	35.8	+1.7	59	17	10	20	39	3.30	−.81	.92	4.0	17	0	17	14	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	30.6	+.2	57	2	10	5	37	2.58	−.46	.50	10 1	17	1	4	26	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	......	......	......	......	......	......	....	2.76	−.05	1.00	11.5	10	11	7	13	sw.	H. S. Sutton
Beekley	Raleigh	2,440	38	31.4	−2.0	52	§2	−2	6	33	3.11	−.56	.84	2.3	13	8	6	17	......	L. A. Mauck
Bluefield	Mercer	2,558	46	^{e}35.2	+.3	56	§2	6	6	^{e}37	2.07	−.94	.41	1.0	13	7	4	20	......	Norfolk & Western Ry.
Charleston	Kanawha	602	38	35.4	−2.5	61	§3	8	7	32	2.20	−1.83	.64	1.6	14	....	....	....	......	Charleston Daily Mail
Clay	Clay	790	25	......	......	......	......	......	......	....	2.43	−1.25	.74	1.0	13	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,270	3	28.2	......	53	§1	1	§5	34	2.58	......	.50	8.2	15	1	9	21	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	34.5	−.6	61	2	4	6	44	2.39	−1.06	.62	.9	9	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	34.4	......	60	2	7	6	35	2.53	......	.72	.5	11	2	8	21	sw.	State Forest Nursery
Hinton	Summers	1,431	44	34.6	+.1	62	17	7	6	40	2.52	−.74	.76	T.	12	....	....	....	......	Mrs. M. L. McClung
Hogsett	Mason	564	25	......	......	......	......	......	......	....	2.76	−1.08	.66	T.	11	....	....	....	......	Lockmaster
Huntington	Cabell	571	44	36.8	+2.8	64	2	9	6	37	2.55	−1.24	.73	1.4	11	3	10	18	nw.	H. N. Robinson
Institute	Kanawha	606	3	34.8	......	62	§1	4	6	43	2.14	......	.56	1.0	14	....	....	....	......	Civil Aero. Administration
Kanawha Falls	Fayette	618	22	......	......	......	......	......	......	....	1.60	−1.61	.45	T.	7	....	....	....	......	Miss Loula M. Brown
Kayford	Kanawha	1,335	25	......	......	......	......	......	......	....	2.85	−1.37	.85	2.3	13	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	31.6	−.8	54	17	3	6	38	2.76	−.59	.82	7.6	14	7	4	20	......	J. K. Monroe
Logan	Logan	700	38	35.8	−3.2	64	17	9	§6	42	1.81	−2.61	.56	T.	7	5	6	20	......	Paul A. Simonds
London Locks	Kanawha	623	5	35.6	......	62	17	6	6	47	2.31	......	.75	T.	11	6	3	22	w.	Lockmaster
Madison	Boone	675	20	32.6	−4.0	62	17	4	6	47	1.85	−2.25	.74	....	5	0	10	21	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	^{a}33.8	+5.8	64	2	4	6	50	2.85	−1.35	1.12	11.0	7	4	8	19	n.	Edward A. Moore
Point Pleasant	Mason	595	42	34.5	+.4	56	2	8	6	38	2.80	−1.15	.62	1.5	10	6	5	20	sw.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	31.5	−.9	53	§1	−3	§6	48	3.30	−.91	.70	13.5	15	10	4	17	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	34.6	−.8	58	2	7	20	41	2.53	−1.07	.47	1.0	14	3	7	21	nw.	Lockmaster
Richwood	Nicholas	2,193	11	29.6	−4.8	58	1	−1	6	43	3.41	−.64	.90	14.5	19	6	11	14	nw.	Cherry River Paper Co.
Ryan	Roane	700	38	29.8	−3.2	58	2	1	20	37	2.49	−1.56	.68	1.2	12	4	11	16	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	31.1	......	65	17	−4	6	49	3.04	......	.70	14.1	13	13	3	15	......	Supt., State Forest
Spencer	Roane	789	37	33.8	+.1	60	17	6	20	38	2.85	−1.16	.67	2.5	14	1	9	21	.....	A. M. McKown
Sutton	Braxton	850	35	35.2	+.9	59	§1	5	20	42	3.21	−1.33	.93	3.0	11	....	....	....	......	C. B. Eakle
Union	Monroe	2,200	37	30.8	−2.5	58	17	−1	6	45	2.28	−.87	.65	2.0	7	9	1	21	......	C. B. King
Wayne	Wayne	598	14	......	......	......	......	......	......	....	1.44	−2.32	.35	....	8	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	30.2	−1.9	55	17	−2	6	45	2.40	−.93	.85	3.0	7	11	1	19	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	36.2	+.2	64	2	11	6	39	2.12	−1.83	.55	.5	8	7	4	20	se.	J. E. Dotson
Winfield Locks	Putnam	571	3	34.2	......	61	2	8	6	41	2.40	......	.62	1.0	10	6	6	19	nw.	Lockmaster
State averages and	**extremes**	......	....	**32.5**	**−.1**	**66**	**2**	**−6**	**21**	**52**	**2.73**	**−.90**	**1.37**	**5.1**	**12**	**5**	**7**	**19**	**nw.**	

The departures from the normal temperature are computed from the averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. § Also on other dates. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc.

Daily Precipitation for January 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		.08	.55		.04	T.				.14	.04					.14	.78		T.	.08			.11	.04	.48	.03	.42	.05			.10	3.08
Brandywine	do		T.	T.	T.							T.					.57								.20		*	.30					1.07
Brushy Run[2]	do		.14	.11	.07											T.	.34	.32		T.				.04	T.	.15		.18	.06				1.41
Harpers Ferry[2]	do		.02	.28	.10	.03										.05	.15	.68								.36		.47	.70	T.			2.84
Inwood	do		.05	.02	.10											.02	.50	.52							.50	.10	.20	.40					2.41
Kearneysville	do		.21	.03												.04	1.05	.05	.02						.26	.10	.10	.48	.02				2.36
Knobly Mountain[2]†	do		.14		.33	T.				T.		.05	T.			T.	.30	.15	T.			T.	.03	.50	.40	.60		.42	.06			.05	3.03
Martinsburg[2]	do	.01	.05	.70	.10	T.					T.					.02	.20	1.00						.02		.45		.45	.16				3.16
McNeill	do		.17	.16	.11							.04				T.	.73		T.	T.					.30	T.	.22	.20					1.93
Petersburg	do		.16	.03	.05							.03					.82	.02	.02					.04	.24		.15	.23					1.79
Piedmont	do		.43	.14	T.							T.					.82	.02			T.		T.		.61		.40	.27					2.69
Romney	do		.24		.40							.05					1.00								.25		.40	.15					2.49
Spruce Knob[2]†	do		.13	.28	.03	.07					.04	T.				T.	.25	.27		.11	T.			.24		T.		.21	.05			T.	1.68
Stony River Dam[2]†	do			.16		.30					.10	.10						.30		.10	.20			.08				.40	.10				1.84
Wardensville[2]	do		.09	.09	.14							.02	T.			T.	.39	.39							T.	.31		.30	.09				1.82
Northern Division																																	
Aberdeen†	West Fork		.25	.12	.02	T.				.17	T.	.17				.03	.65	T.	T.	.13			T.	.31	.33	T.	.23	.50	.11	T.	T.	.07	3.09
Alma (near)	Ohio		.22		.05					.09		.05				.03	.35	.02	.01	.05			.18		.86		.15	.47	.05			.01	2.59
Alpena	Cheat	.11	.36	.28	.20	.10				.20	.10	.20					.37		.04	.40				.40	.29		.30	.30	.10	.20	.10	.05	4.10
Belington[2]	Tygart	T.	.11	.30		.04	T.	T.			.18	.11	.03			.02	.56	.24	T.	.12	T.	T.		.30	.06	.20	T.	.51	.18	.02	.03	.03	3.04
Benson†	West Fork		.50	.30	.04					.16		.10					.48			.20				.18	.48		.18	.62	.10	.02		.05	3.41
Bens Run	Ohio		.32		T.	.05				.09		.07				.07	.44	.08	.03	.10			.29	.05	1.04		.35	.56					3.54
Big Skin Creek†	West Fork		.44		.04	.02				.17	T.	.06				.02	.71	.03	T.	.08			.10	.13	.36	T.	.42	.50	.07	T.		.05	3.20
Brownsville†	do		.28	.12						.16		.08					.64		.10	.02				.25	.39		.24	.56	.02	.01			2.87
Buckhannon	Tygart		.33	.06	T.	T.	.10			.15		.20					.77		T.					.45	.32		.46	.47	.05	T.	T.	T.	3.36
Cairo	Litl.Kanawha		.30		.10					.05	.02	.03					.33			.11				.11	.80		.13	.52	.02			.02	2.54
Clarksburg[2]	West Fork		.06	.42		T.	T.	T.			.12	.10				.03	.40	.14		.05				.16	.11	.20		.83	.04	T.	.02	T.	2.68
Crawford	do		.22	.03	T.	T				.15	T.	.09					.70	.02	T.	.05				.22	.33		.37	.71	.10	.02		.02	3.03
Creston[2]	Litl.Kanawha		.10	.25		.01					.05		T.			.05	.45	.13	T.	.10	.01	T.	T.	.20	.30	.40		.65	.01	T.	T.		2.71
Dailey[2]†	Tygart		.11	.17	T.	T.	T.				.12	.08	T.			T.	.33	.20	.01	.05	T.			.28	T.	.24		.71	.07	T.	T.	.05	2.42
Dam 10, Mon. R.[2]†	Monongahela		.01	.39		.01	T.	T.	T.		.04	.05	.02			T.	.28	.09	.04	.05	T.			.29	.13	.23		.62	.18	.01	.01	.04	2.49
Dam 13, O. R.[2]†	Ohio	.02	.06	.22		.02	T.			T.	.02	.15				.06	.19	.10	.09	.08				.24	.16	.95		.41	.08	.01		.01	2.87
Dam 15, Mon. R.[2]†	Monongahela		.05	.30		T.	T.	T.			.09	.09	T.			T.	.35	.17	T.	.02	T.			.26	.12	.22		.74	.10	T.	T.	.02	2.53
Dam 19, O. R.[2]†	Ohio	.02	.06	.24		.01	T.	T.		.01	T.	T.				.03	.31	.01	.03	.03	T.			.18	.37	.76	T.	.35	T.	T.		T.	2.41
Dam 20, O. R.[2]†	do		T.	.18		T.				T.	T.	T.				.05	.36	.07	.05	T.				.17	.45	.65	T.	.60	.05	T.		T.	2.63
Elizabeth (Dam 3)[2]	Litl.Kanawha		.12	.24							.05					T.	.28	.05		.10				.22	.24	.45		.55	T.			T.	2.30
Elk†	West Fork		.55							.18		.20					.74			.05			.11	.09	.34		.50	.19	.06				3.01
Elkins[1]‡	Tygart		.38	T.	.03	.01	T.			.16	.09	.08			.02	.12	.67	.04	.12	.02	T.		.25	.05	.27	.02	.48	.35	.04	.02	T.	.09	3.31
Fairmont[2]	Monongahela		.07	.32		.04	T.	T.			.04	.10				.02	.38	.12		.04	T.			.42	.18	.19		.89	.04	T.	T.	.05	2.90
Glenville[2]	Litl.Kanawha		.08	.17		T.					.05	.08				.05	.48	.11		.24				.36	.07	.54		.73	.08	T.	T	T.	3.04
Grafton	Tygart		.35	.16	.03						.13	.12					.64	.02		.09						.52		.71	.11		.02	.03	2.93
Hackers Creek†	West Fork		.42			T.				.05		.10					.63	.01		.10			.10	.20	.35		.23	.51	.07			T.	2.77
Hall[2]	Tygart		.10	.37		.02	T.	T.			.16	.09	.02				.50	.19		.09	T.	T.		.25	.06	.19		.77	.16	.02	.01	.02	3.02
Harrison Co. Airport[2]	West Fork		.05	.38		.02	T.	T.			.10	.03	.02			.01	.38	.12		.03	T.			.15	T.	.30		.72	.05	T.	T.	T.	2.36
Hastings	Ohio		.19	.20	T.		T.			.11		.02		.02		.04	.34	.11	.03	T.	.07		T.	.28	.89	T.	.20	.66	.05			.06	3.27
Horner	West Fork		.40				.10			.10		.10						.73						.40	.30		.30	.60			.05		3.08
Ireland	do		.21		T.					.20		.06					.82			.08				.34	.36		.36	.57	.04	.01		.18	3.23
Jane Lew	do		.32	.16						.16		.10				.02	.59	T.	T.	.10				.18	.33	.01	.26	.48	.10	T.	.03		2.84
Kumbrabow St. For.†[2]	Tygart	.41	.62	T.	.25		.05			.10	.15	.10				.29	.37		.16	.40					.57	T	.22			.30			3.99
Lost Creek (near)	West Fork		.44	.18	.03	T.				.12		.10				.01	.54	T.		.40			T.	T.	.34		.28	.42	.06	T.		.04	2.96
Mannington	Monongahela		.27	.03	.05	T.				.12	.01	.11				.03	.34	.02	.06	.08	T.		.05	.24	.64		.31	.57	.08	.02	.01	.07	3.11
Midvale[2]†	Tygart			.30		.05	.02				.13	.03	.12				.43	.33		.12				.35	.06	.12		.52	.58	.11	.14	.02	3.43
Morgantown	Monongahela		.20	.20	T.	T.	T.			.10		.30	.10			.20	.30	.05	.05	.10			T.	.15	.70	T.	.10	.80	.10	T.		T.	3.45
Mt. Clare	West Fork		.59	.01	.07	T	T.			.12		.15				.02	.59	.02	.04				.07	.06	.37	.04	.47	.25	.17	.01	T.	.04	3.09
New Cumberland	Ohio		.32		T.	.01	T.			.09	.30	.02			.08		.29	.08	.05				.20		.84		.30	.30	.05	.02	.02	.04	3.01
New Martinsville	do		.36		.48					.11		.10						.12	T.	T.			.42	.10	.92	.37	.40	.02	T.	T.	T.	T.	3.40
Parkersburg[1]‡	do		.24		.08	T.	T.			.04	T.	T.			.01	.08	.29	.03	.08	T.			.19		1.14		.37	.15	.02	T.	T	T.	2.72
Parsons	Cheat			.15	T.					.10	T.	.30					1.30		T				*	*	.75		T.		T.		T.		2.60
Philippi[2]	Tygart		.07	.35		.03	T.	T.			.13	.11	T.			T.	.47	.20	T.	.12	T.	T.		.19	.06	.17		.56	.17	T.	T.	T	2.63
Pickens	do		.63		.20	.10				.25	.20	.05	.10				1.37		.15	.45				.67	.34		.58	.93	.10	.05	T.	.10	6.27
Roanoke	West Fork		.38	.07	.02					.15		.07				T.	.69	.01		.03			T.	.24	.39		.33	.61	.08	.01		.07	3.15
Rockford†	do		.48	.03	T.	T.				.09		.15				.04	.55	.02	T.	.05	T.		.12	.07	.32		.34	.39	.05	T		.12	2.82
Rowlesburg[2]	Cheat		.04	.89		T.	.06				.19	.10					.48	.33		.16	.03			.20	.04	.39		.52	.29		T.	.06	3.78
Saint Marys[2]	Ohio		.04	.28						.05	.09	.05				.07	.40	.09		.15				.23	.35	.68		.84	.03	.06			3.41
Salem	West Fork		.30	.09	T.	T.				.12		.10				.02	.48	T.	.03	.08			.10	.07	.54		.45	.40	.05			T.	2.83
Shinnston	do		.15		T.					.20	.25	.30				.10	.45	T.		.02			.05	.65			.40	.40	.10	.20	.10	T.	3.37
Terra Alta†	Cheat		.30	.20	.10					.20		.20					.45	.05		.20				.20	.30	.18	.50	.40	.10	.03		.10	3.51
Thomas[2]	do		.10	.45		.10	.40				.15	.06	T.				.51	.24		.10				.31	.08	.49		.20				.10	3.29
Valley Chapel	West Fork		.39	.14	T.	T.				.16		.09				.04	.57						.08	.18	.32		.23	.53	.10	T.		.06	2.89
Valley Head[2]	Tygart		.09	.33	.03	.03	T.	T.			.17	.08	T.			.03	.30	.15		.10	T.			.27		.26		.46	.09	T.	T.	.01	2.40
Vandalia†	West Fork		.34	.09						.15							.80							.31	.25		.38	.58					2.90
Wellsburg (near)	Ohio		.42		T.	T.				T.		.20				T.	.36	T.	.10	T			.12	.07	.30		T.	.30	T.				1.87
West Milford	West Fork		.58	.18								.22					.58			.08				.18	.37		.25	.55	.04			.10	3.13
Weston[2]	do		.08	.34		.10					.18	.10	T.			.06	.38	.24		.12	T.			.24	.07	.28		.92	.12	.02	.02	.03	3.30
Wheeling (Dam 12)[2]	Ohio	T.	.04	.25		.02	T.			T.	.01	.07				.04	.16	.14	.07	.10	T.			.24	.30	.50		.48	.13	T.	.01	.02	2.58
Southern Division																																	
Arbovale[2]	Greenbrier		.34	.03	T.	T.				.05		.05				.04	.55		T.	.05			T.	.25	.40		1.00		T.			T.	2.76
Beckley	New		.30	.15	.14	T.				.06		T.				.07	.84		.06	.01			.14	.18	.70		.11	.35	T.	T.		T.	3.11
Bluefield	New		.21	.41	.10					.01	.02	.02				.01	.36			.01				.11	.39			.40	.02				2.07
Camden-on-Gauley[2]	Gauley		.19	.10							.18	.01	.02				.68	.16	T.	.07	.02			.38		.32		.86	.11		.02		3.12
Charleston[2]	Gr. Kanawha		.10	.08		.04					.01	T.	T.			T.	.46	.01	.08	.05				.16	.02	.64	T.	.51	.02	.02		T.	2.20
Clay[2]	Elk		.07	.13		T.					.10					.06	.46	.10		.12				.16	.22	.13		.74	.04		T.	.10	2.43
Flat Top[2]	New	T.	.41	.35	.01	T.				.05		.02			T.	.30	.32		.07	.01			.12	.05	.50		.24	.12	.01				2.58
Gary[2]	Big Sandy		.06	.32	.43	T.	T.					.02					.44			.02	T.			.12	T.	.62		.36	T.				2.39
Greenbottom[2]†	Ohio		.15	.16		.03	.02			T.	T.	T.				.04	.72	.05		T.				.12	.40	.31		.53	T.	T.			2.53
Hinton[2]	New	T.	.07	.15	.43	.01					.01	T.	.02				.76	.04		T.	T.			.15		.33	T.	.53	.02				2.52
Hogsett[2]	Ohio		.09	.30		T.				T.	.01					.02	.66	.06		.03				.22	.35	.47		.55					2.76
Huntington	do		.38		.02	T.				T.						.34	.33	.02	T.	.10			.13	.04	.73		.37	.09	T.		T.	T.	2.55
Institute[2]	Gr. Kanawha	.03	.18		.02	T.				.02		T.			.02	.17	.44	T.	.05	.02			.13	T.	.54	T.	.38	.13	.01	T.		T.	2.14
Kanawha Falls[2]†	do		T.	.10								T.	T.				.30	.05	T.	T.				.20	T.	.20	.30	.45	T.	T.			1.60
Kayford[2]	do			.33		T.	.02				.08		.01				.42	.10	.07	.06				.05		.85		.79	.06	.01			2.85
Lewisburg	Greenbrier		.25	.38	.08	T.				.06		.02				.01	.82	.04		.01			T.	.08	.29	.03	.34	.35	T.	T.			2.76
Logan[2]	Guyandot		.02	.21	T.	T.	T.				T.	T.	T.				.45	T.		.03	T.			.10	T.	.56	T.	.44	T.	T.			1.81
London Locks[2]†	Gr. Kanawha		.09	.15		T.					.07	T.	T.				.43	.08		.03				.17	.02	.73		.50	.04	T.			2.31
Madison[2]	Coal			.18													.45			.06						.74						.42	1.85
Marlinton	Greenbrier		.55	.05						.08		T.				.06	.67		.32								1.12						2.85
Point Pleasant[2]	Ohio		.15	.22	T.	T	T.	T.		T.						.03	.60	.04		.09				.01	.51	.62		.53	T.	T.			2.80
Princeton[2]	New	T.	.11	.41	T.	T.	T.	T.	T.	T.					T.	.61							.13	T.	.30	T.	.43	.11	T.	T.			2.10
Rainelle	Greenbrier		.27	.18	.13	.12					.02	.06				T.	.70		.02	.28			T.	.15	.54		.58	.12	.05			.08	3.30
Ravenswood[2]	Ohio		.05	.25		.05				T.	.05	T.				.03	.46	.06	.03	.10				.15	.36	.47	T.	.45	.02				2.53

Continued on next page.

Daily Precipitation for January 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	....	.24	.32	.03	.09	.04	....	....	....	.19	.04	.07	....	....	.03	.27	.04	....	.19	.05	....	....	.32	....	.35	....	.90	.14	.06	.04	....	3.41
Ryan	Gr. Kanawha	....	.32	....	.02	....	....	....	....	.04	....	....	....	....	....	.01	.51	....	.05	....	....	....	.30	....	.68	....	.22	.26	.05	....	....	.03	2.49
Seneca State Forest†	Greenbrier	....	.40	.10	.06	....	....	....	....	.10	T.	.18	....	....	....	.05	.60	....	.10	.04	....	....	....	....	.66	....	.15	.55	T.	....	....	.05	3.04
Spencer[2]	Litl.Kanawha	....	.24	.21	....	.05	....	....	....	.03	T.	....	....	....	....	.07	.49	.05	....	.15	....	....	.08	.22	.22	.32	....	.67	.05	....	....	....	2.85
Sutton	Elk	....	.11	.15	.10	T.	....	....	....	.16	T.	T.	T.	....	....	....	.93	....	.05	.20	T.	....	....	.35	.37	....	.29	.50	T.	T.	T.	T.	3.21
Thornwood[2]	Greenbrier	....	.20	.27	.05	....	....	....	....	....	.01	.05	....	....	....	....	.36	.31	.25	.15	....	....	....	.20	.14	....	.09	.10	....	....	....	.12	2.30
Union[2]	New	....	....	.35	.51	....	....	....	....	....	....	....	....	....	....	....	.55	.10	....	....	....	....	....	.15	....	.22	....	.40	....	....	....	....	2.28
Wayne[2]	Twelvepole	....	.18	.08	....	.02	....	....	....	....	....	....	....	....	....	.05	....	....	....	.10	....	....	....	.33	.33	.35	....	....	....	....	....	....	1.44
White Sulp'r Spgs.[2]	Greenbrier	....	.15	....	.45	....	....	....	....	....	....	....	....	....	....	....	.85	.15	....	....	....	....	....	.15	....	.35	....	.30	....	....	....	....	2.40
Williamson[2]	Big Sandy	.01	.01	.22	....	....	T.	....	....	....	T.	....	T.	....	....	....	.51	T.	....	.06	T.	....	....	.26	T.	.55	....	.50	T.	T.	....	....	2.12
Winfield Locks[2]†	Gr. Kanawha	....	.10	.13	T.	....	....	....	....	....	T.	....	....	....	....	.05	.54	.07	T.	.10	T.	....	....	.22	.22	.40	....	.57	T.	T.	....	....	2.40

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.

T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for January 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	54	46	34	32	12	27	36	38	36	26	28	35	30	40	37	31	53	34	16	20	43	52	37	41	29	28	31	22	25	32	25	33.2
	Minimum	26	31	31	20	6	6	0	0	19	18	16	20	20	12	12	22	23	25	13	10	−4	0	15	18	22	20	22	18	17	15	22	16.0
Beckley	Maximum	47	52	52	40	33	21	33	37	37	31	31	47	41	39	38	39	50	49	32	24	43	48	49	44	46	34	32	32	24	31	34	38.4
	Minimum	32	42	31	19	9	−2	16	17	27	21	21	20	30	28	29	33	35	31	17	10	10	29	39	38	28	28	31	19	19	22	27	24.5
Bluefield	Maximum	..	56	56	33	35	..	36	45	42	35	34	..	50	48	46	39	55	53	..	40	51	54	53	48	47	..	40	32	25	41	34	43.4
	Minimum	..	42	33	23	..	6	21	20	21	22	26	21	..	32	30	32	35	38	..	11	14	31	45	39	30	..	31	23	21	24	29	27.0
Brandywine	Maximum	55	50	45	37	20	30	40	46	42	40	38	51	50	45	36	34	47	45	40	28	48	52	51	47	45	41	40	38	34	42	40	41.9
	Minimum	27	36	30	20	12	3	7	12	18	15	24	10	23	13	21	27	28	27	18	4	4	23	37	31	27	30	26	22	14	15	18	20.1
Buckhannon	Maximum	57	58	54	40	30	25	37	40	41	33	31	40	38	34	55	51	58	54	40	26	43	63	48	50	42	40	42	34	28	34	36	42.1
	Minimum	34	38	36	20	13	15	15	32	25	23	27	26	28	23	29	41	38	34	15	14	8	22	35	30	23	28	30	24	23	20	23	25.5
Cairo	Maximum	57	61	61	41	24	33	40	47	48	37	35	44	46	37	53	53	59	57	36	28	46	47	51	45	46	36	43	31	30	32	40	43.5
	Minimum	34	40	35	18	10	6	12	19	23	19	18	25	20	24	27	39	31	36	19	3	6	21	38	33	29	27	32	25	26	28	32	24.4
Charleston[3]	Maximum	49	56	61	42	39	29	29	38	47	42	39	36	49	40	45	53	55	61	33	27	35	50	59	44	48	43	46	44	31	38	38	43.4
	Minimum	34	34	39	27	20	14	8	16	23	30	30	32	27	27	31	32	39	39	22	14	16	18	35	38	33	33	33	27	25	27	29	27.5
Clarksburg[3]	Maximum	54	56	42	38	20	28	36	43	39	31	31	41	35	36	52	49	57	43	26	27	45	55	45	47	34	41	43	28	30	33	37	39.4
	Minimum	34	38	36	24	13	12	15	15	25	23	24	23	27	24	23	28	35	39	20	15	8	8	22	31	29	27	29	25	24	25	29	24.2
Elkins	Maximum	57	55	45	34	14	27	39	42	39	28	29	42	37	42	51	48	56	43	25	24	46	55	47	47	32	37	40	27	25	36	32	38.7
	Minimum	32	42	30	14	10	12	12	20	26	22	25	24	29	22	30	37	37	25	14	10	3	22	34	30	27	28	27	21	20	20	28	23.6
Fairmont[3]	Maximum	53	55	39	33	21	30	38	44	35	32	31	43	34	36	53	45	59	41	21	26	48	54	38	46	31	38	41	30	29	31	38	38.5
	Minimum	33	36	36	24	13	12	16	16	25	24	24	27	27	22	22	30	38	41	20	13	10	11	28	29	28	25	30	24	24	25	29	24.6
Flat Top	Maximum	53	53	40	30	13	28	36	42	35	29	25	38	45	38	43	36	51	38	22	28	47	48	43	43	29	32	34	27	21	36	28	35.8
	Minimum	27	38	22	8	1	1	9	13	20	17	19	17	31	31	26	30	32	21	10	8	13	24	38	29	25	26	23	17	17	19	24	20.5
Gary[3]	Maximum	58	61	43	40	21	32	43	50	39	40	34	51	54	54	52	49	60	44	28	38	57	58	54	55	39	49	42	28	30	45	37	44.7
	Minimum	31	31	41	21	14	4	5	13	16	27	27	23	23	22	28	29	33	34	24	13	13	14	27	41	34	31	39	28	26	20	20	24.3
Glenville	Maximum	54	59	58	44	40	37	41	49	40	36	34	48	47	41	58	54	62	55	38	33	52	57	56	48	47	39	45	39	31	33	41	45.7
	Minimum	31	37	37	22	15	14	15	21	26	26	30	29	23	24	27	34	39	36	21	6	10	22	36	33	31	30	34	25	26	28	32	26.5
Grafton	Maximum	62	56	56	40	22	29	40	44	45	35	32	41	41	42	57	47	60	59	38	27	47	56	56	52	48	40	42	36	29	31	39	43.5
	Minimum	35	40	35	19	12	14	12	18	25	23	25	26	30	22	29	36	37	35	18	14	6	22	33	30	28	25	33	23	23	25	28	25.2
Huntington	Maximum	55	64	54	37	25	32	39	53	42	42	38	54	46	39	44	55	59	53	31	35	54	57	51	45	39	41	44	36	34	36	46	44.6
	Minimum	32	46	37	24	16	9	11	23	31	28	32	26	26	30	29	43	42	34	22	19	17	31	39	35	31	32	35	25	28	31	32	28.9
Lewisburg	Maximum	51	47	47	36	20	29	38	45	37	32	31	48	50	41	44	38	54	47	35	31	48	47	46	43	40	35	35	33	27	41	32	39.6
	Minimum	28	39	35	19	8	3	11	15	22	22	26	21	34	26	26	32	34	33	17	11	10	23	40	36	29	28	28	21	20	19	18	23.7
Logan[3]	Maximum	61	61	41	38	23	32	44	49	40	41	35	45	51	44	50	55	64	45	32	39	52	60	48	52	38	46	43	30	33	40	40	44.3
	Minimum	34	35	40	24	17	9	9	14	20	30	29	27	27	26	31	31	38	38	24	16	18	18	40	41	36	34	36	29	28	25	25	27.4
Madison[3]	Maximum	59	61	40	38	20	28	28	40	30	40	33	49	47	40	47	44	62	42	28	25	49	61	45	44	36	46	42	30	35	37	41	40.9
	Minimum	31	34	38	21	13	4	6	10	18	16	29	22	22	22	27	29	37	38	22	12	13	14	43	39	31	31	31	25	25	21	32	24.4
Mannington	Maximum	52	56	56	37	19	28	34	40	36	35	32	39	40	35	50	47	56	51	36	24	42	53	49	47	42	36	41	33	28	30	37	40.0
	Minimum	35	35	36	18	12	16	11	16	24	22	27	17	31	21	27	36	35	34	20	7	5	19	34	29	28	25	33	24	25	26	29	24.4
Marlinton	Maximum	63	64	48	42	32	45	43	54	43	45	33	62	52	50	50	49	..	54	46	46	34	54	51	54	56	46	44	45	36	45	34	47.3
	Minimum	26	33	30	18	10	4	7	13	16	19	25	12	29	19	25	31	..	27	32	12	10	5	16	36	33	25	27	22	13	11	22	20.3
Martinsburg[3]	Maximum	46	40	40	42	25	32	35	37	41	36	37	47	39	32	31	32	35	45	30	32	36	51	51	33	34	30	30	35	34	38	41	37.0
	Minimum	37	37	35	30	18	20	19	16	16	26	17	17	32	18	18	23	22	32	26	22	13	14	23	32	23	24	25	24	25	16	18	23.3
Morgantown	Maximum	49	52	53	38	17	27	32	40	38	27	29	37	37	33	40	40	58	52	50	24	39	54	50	50	45	33	33	33	30	29	31	38.7
	Minimum	30	40	31	10	7	11	10	20	27	24	25	25	21	15	27	33	36	47	21	17	15	30	35	25	25	20	28	22	22	24	27	24.2
New Cumberland	Maximum	62	55	52	38	20	30	34	42	38	34	35	36	35	32	40	42	54	47	34	26	43	48	48	35	32	33	34	33	31	32	36	38.4
	Minimum	33	42	34	15	10	18	13	21	34	25	27	19	28	9	25	34	35	30	18	18	10	26	30	27	23	20	31	24	20	26	31	24.4
New Martinsville	Maximum	53	56	51	41	22	33	36	45	36	34	36	42	37	40	45	50	56	50	33	30	45	51	45	40	37	34	39	34	30	33	41	40.5
	Minimum	36	39	34	15	11	11	16	21	29	24	24	27	31	22	31	34	37	33	19	12	10	35	30	28	27	27	30	25	24	27	31	25.8
Parkersburg	Maximum	55	61	40	34	21	29	35	46	39	36	36	46	36	34	50	51	56	47	27	26	44	53	46	37	32	40	43	29	31	35	38	39.8
	Minimum	38	40	31	17	10	14	20	27	30	28	29	28	28	26	30	44	44	27	16	10	14	32	34	31	26	27	28	24	27	28	30	27.0
Pickens	Maximum	50	48	40	41	35	38	43	41	38	31	26	37	34	45	55	48	52	44	37	34	44	48	48	45	40	40	37	31	35	22	30	39.9
	Minimum	28	38	33	10	3	4	5	13	10	14	19	16	25	13	27	35	35	24	9	5	0	26	33	30	21	21	20	15	10	13	13	18.3
Point Pleasant	Maximum	52	56	53	38	25	29	37	47	47	37	36	49	49	37	44	54	54	50	34	30	49	49	49	38	36	42	42	32	31	35	42	42.0
	Minimum	33	42	37	22	13	8	15	21	29	29	31	24	25	27	25	41	44	34	20	9	11	24	38	33	28	28	32	25	27	30	33	27.0
Rainelle	Maximum	53	52	50	35	20	33	40	46	38	37	32	48	48	45	48	48	53	53	32	30	51	47	45	45	45	35	36	35	25	42	31	41.3
	Minimum	26	37	33	17	8	−3	6	13	20	20	24	20	33	25	24	33	34	32	16	−3	3	20	37	37	27	28	30	20	18	11	27	21.7
Ravenswood	Maximum	45	58	56	49	42	32	39	50	49	37	38	47	48	38	53	53	57	56	36	32	48	54	52	41	39	39	46	35	31	34	42	44.4
	Minimum	22	31	36	21	12	8	14	20	27	28	30	25	23	27	26	41	42	33	19	7	13	13	25	32	27	30	31	24	26	28	32	24.9
Richwood[3]	Maximum	58	51	42	32	13	17	37	43	36	30	28	42	43	46	50	47	53	38	23	27	47	51	46	46	39	38	38	23	24	36	30	37.9
	Minimum	31	30	35	20	10	−1	0	15	23	21	21	22	22	26	27	30	37	32	18	5	4	10	27	38	28	28	32	21	20	15	17	21.4
Romney	Maximum	51	45	46	45	31	35	38	45	42	39	36	37	47	38	30	31	36	36	30	46	39	46	55	46	32	40	39	36	36	40	38	39.7
	Minimum	21	37	32	22	17	19	15	15	20	29	25	28	22	20	25	22	25	21	20	20	9	18	36	31	21	25	25	27	26	11	32	23.1
Spencer[3]	Maximum	58	58	38	35	22	29	39	48	35	38	33	47	36	38	58	53	60	40	26	30	48	52	41	48	39	44	32	27	32	34	40	40.6
	Minimum	29	45	36	24	11	7	14	20	25	27	28	26	23	26	27	42	40	38	20	6	10	25	39	38	39	30	32	24	25	27	31	26.9
Sutton	Maximum	59	59	58	38	25	30	42	48	48	35	34	45	45	39	55	55	59	59	36	28	50	57	57	48	48	39	39	37	30	32	36	44.2
	Minimum	29	38	37	21	12	11	13	21	25	26	29	28	23	27	27	42	35	36	22	5	8	22	41	34	31	29	36	26	25	20	31	26.1
Wardensville[3]	Maximum	46	41	41	40	24	35	40	45	44	38	35	49	42	32	34	31	33	43	28	27	43	55	49	37	46	29	32	32	37	43	39	38.4
	Minimum	34	33	34	22	15	15	12	12	17	26	23	13	19	17	21	25	27	26	23	17	5	15	23	29	29	25	26	25	19	7	14	20.9
Weston	Maximum	58	53	52	38	24	30	40	49	48	38	36	45	43	38	55	56	59	55	35	49	55	54	42	48	55	42	43	39	30	31	35	44.4
	Minimum	35	43	36	21	12	15	16	20	26	25	28	28	24	24	29	39	41	33	11	10	25	40	33	30	29	32	36	25	24	26	30	27.3
Wheeling[3]	Maximum	53	57	38	33	21	31	34	43	36	32	34	40	33	33	42	45	55	41	23	29	42	50	35	35	29	35	36	30	32	33	37	37.0
	Minimum	35	36	35	28	10	13	17	16	26	21	24	25	28	16	16	30	36	40	20	17	12	13	32	27	25	24	25	25	26	26	29	24.3
Williamson[3]	Maximum	56	64	41	39	25	35	43	49	41	42	35	53	54	44	48	57	62	42	32	33	54	59	47	53	50	47	43	31	33	40	42	45.0
	Minimum	34	34	40	24	18	11	12	17	20	26	26	24	25	27	32	31	36	37	24	18	20	20	33	40	36	35	39	30	28	25	25	27.3

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 3-6-41—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., FEBRUARY 1941 No. 2

GENERAL SUMMARY

This was the coldest February since 1936. Its mean temperature of 29.2° was 4.1° below the normal. At no station was a mean temperature in excess of the normal recorded. The cold periods were the 4-6th, 10-12th, and the 18-24th. Temperatures of zero or lower were recorded at several high-level stations on the 5th, 10th, 19th and the 24th.

It was the second driest February of record, being exceeded only by February 1901, which had a total precipitation of 0.86 inch. All stations reported precipitation below normal. The northeastern panhandle division averaged 24 percent of normal while the northern and southern divisions averaged 32 percent of their normal precipitation. As the greater part of the precipitation fell as snow and was well distributed throughout the month, soil moisture seemed adequate in most sections. The greatest number of snow-lying days occurred at Spruce Knob and at Pickens No. 2 where measureable snow covered the ground throughout the month. Snow cover in the mountains remained fairly heavy at the close of the month. The thin ice formations in the Ohio River from the 19th to the 28th caused no hindrances to navigation.

Frequent cold spells slowed farm activities down to the minimum and were also a hindrance to outdoor construction work. Growth of winter grains and grasses were retarded. No important heaving was reported, although snow cover was lacking in many growing areas.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 66 stations, was 29.2°, or 4.1° below the normal. The mean for the northeastern panhandle division was 29.3°; for the northern division, 28.7°; and for the southern division, 29.7°. The highest monthly mean was 34.6° at Huntington and the lowest, 20.2° at Bayard. The highest temperature was 66° at Huntington on the 12th and the lowest, −11° at Seneca State Forest on the 10th. The greatest daily range was 57° at Thornwood (Fire-Weather Station) on the 10th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was .96 inch, or 2.17 inches below the normal. In the northeastern panhandle division the average was .59 inch; in the northern division, 1.04 inches; and in the southern division, 1.02 inches. The greatest monthly precipitation was 3.37 inches at Pickens, and the least, .10 inch at Moorefield (Hydrologic Station). The greatest amount in and 24 consecutive hours was .95 inch at Kumbrabow State Forest on the 17th. The average monthly snowfall was 9.3 inches, or .8 inch above the normal. The greatest monthly snowfall was 49.0 inches at Alpena. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																															
Fogs, dense		1								1	2	2	4	8	2										1	2	3				
Gales						1		1				1	1		1		6	10	4	2	1	1	1		1	1		2			
Hail													1																		
Halos, lunar	1				1	3	3					3	4																		
Halos, solar				2		1										2										2		1			
Sleet		3					3	1							3													1			
Thunderstorms																															

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.08	30.43	20	29.63	8	9.2	33	w.	17	77	54	65	50
Columbus, Ohio	30.03	30.33	4	29.50	17	11.4	37	w.	17	83	64	72	44
Elkins	30.02	30.36	4	29.53	8	7.5	30	w.	17	78	65	72	35
Huntington Airp't	30.06	30.41	20	29.57	17	......	28	w.	17	....	....	....	....
Parkersburg	30.04	30.37	20	29.53	17	7.2	31	w.	17	79	58	58	33
Pittsburgh, Pa	30.00	30.34	24	29.42	8	12.6	37	nw.	17	83	64	69	31
Wytheville, Va	29.99	30.30	11	29.48	7	8.8	32	w.	17	79	....	57	56

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	.....	.....	2.09	5.23	5.79	5.39	......	......	......	......	......
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	......	......	......
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	......	......	......
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	**.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	− 5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	− 3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	.59	1.04	1.02	.96	9.3	8	8	8	12
Period	33.3	86	−35	2.41	3.25	3.22	3.13	8.5	10	9	6	13

Climatological Data for February 1941

				Temperature, in degrees Fahr.							Precipitation, inches				Number of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of the wind	Observers
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	20.2	−9.4	53	12	−5	§5	54	1.77	−1.73	0.40	26.5	16	10	6	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	28.4	−6.3	58	12	1	18	45	.50	−1.26	.30	5.0	2	19	0	9	n.	E. L. Keister
Harpers Ferry	Jefferson	400	52	....	....	....	....	....	....	....	.45	−1.81	.14	.5	5	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	9	31.5	....	55	12	12	5	37	.51	....	.25	2.0	4	13	9	6	nw.	H. W. Prettyman
Kearneysville	Jefferson	548	11	31.2	−2.7	53	12	13	§5	37	.23	−2.13	.17	....	2	10	12	6	n.	University Exper. Station
Martinsburg	Berkeley	435	49	30.5	−.9	52	12	15	20	35	.26	−2.14	.11	.5	3	20	7	1	sw.	Dr. H. S. Gardner
McNeill	Hardy	800	45	30.2	−2.1	60	12	1	10	52	.64	−1.49	.60	3.5	2	9	10	9	w.	R. E. Saville
Piedmont	Mineral	1,053	28	29.0	−4.8	57	12	11	§5	36	.53	−1.71	.18	6.5	4	6	12	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	43	30.6	−3.6	60	12	10	§10	45	.77	−1.13	.40	6.5	4	17	6	5	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	....	....	....	....	....	....	....	.96	....	.23	16.0	10	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	21	....	....	....	....	....	....	....	1.45	−1.40	.30	21.0	8	5	6	17	w.	A. C. Becker
Wardensville	Hardy	1,200	20	29.6	−4.2	58	12	7	10	44	.18	−1.53	.15	1.8	2	9	10	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	....	....	....	....	....	....	....	.80	−2.30	.22	5.8	8	4	10	14	....	L. Esle Bond
Alma (near)	Tyler	800	14	....	....	....	....	....	....	....	.57	−1.69	.18	7.0	10	10	4	14	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	10	23.4	−6.9	55	12	−4	5	43	3.27	−.69	.81	49.0	15	8	14	6	....	Christian Hertig
Benson	Harrison	1,080	17	29.5	−8.5	62	13	3	20	42	.92	−2.79	.15	17.0	12	6	15	7	....	R. D. Marts
Bens Run	Pleasants	652	39	*29.4	−3.4	....	....	12	§19	....	.65	−2.46	.22	5.9	7	17	3	8	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	18	31.8	−5.8	60	17	5	20	41	.59	−2.48	.15	5.0	9	6	11	11	....	M. D. Hawkins
Buckhannon	Upshur	1,411	44	28.3	−4.8	57	13	5	20	32	1.50	−2.26	.32	10.0	11	11	4	13	....	H. A. Darnall
Cairo	Ritchie	680	40	31.3	−2.9	63	14	5	20	41	.52	−2.45	.18	4.7	7	6	12	10	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	27.6	−7.0	62	13	9	21	43	.68	−2.36	.15	9.6	11	8	5	15	....	Clarksburg Water Board
Crawford	Lewis	1,107	18	....	....	....	....	....	....	....	.81	−2.51	.20	8.7	9	6	9	13	nw.	George W. Blair
Creston	Wirt	640	39	31.0	−3.7	61	12	6	20	41	.38	−2.81	.10	2.8	6	6	9	13	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	....	....	....	....	....	....	....	.70	−2.17	.36	8.7	10	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	25	....	....	....	....	....	....	....	.50	−1.93	.26	7.6	11	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	20	....	....	....	....	....	....	....	.76	−2.23	.29	9.0	7	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	25	....	....	....	....	....	....	....	.67	−1.90	.40	2.6	5	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	....	....	....	....	....	....	....	.73	−2.03	.30	5.0	7	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	....	....	....	....	....	....	....	.44	−2.42	.20	2.0	3	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	40	26.0	−5.6	56	12	7	19	38	1.27	−1.81	.31	14.4	13	3	8	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	28.6	−4.5	62	13	8	20	41	1.54	−1.48	.40	15.1	9	6	7	15	w.	J. C. Robinson
Glenville	Gilmer	738	47	32.7	−1.9	63	12	9	20	42	1.11	−2.46	.25	3.0	9	1	14	13	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	30.4	−2.2	62	§13	9	5	39	1.55	−1.36	.69	10.7	10	13	1	14	....	L. W. Clayton
Hastings	Wetzel	809	6	....	....	....	....	....	....	....	1.61	....	.75	6.9	13	9	7	12	w.	L. G. McIntyre
Horner	Lewis	1,044	18	....	....	....	....	....	....	....	.71	−2.94	.20	....	9	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	18	....	....	....	....	....	....	....	.55	−2.22	.13	5.2	9	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	28.8	−3.9	62	13	4	20	38	1.37	−1.71	.80	11.1	10	6	8	14	nw.	Chas. H. Washburn
Mannington	Marion	974	38	28.6	−4.2	60	13	7	§10	38	1.02	−1.88	.39	9.8	14	5	9	14	w.	James A. Morgan
Morgantown	Monongalia	1,300	48	28.3	−4.5	58	13	8	§10	33	.79	−1.77	.22	11.8	7	11	2	15	nw.	Bruce Davis
New Cumberland	Hancock	671	43	28.8	−.3	59	13	5	10	39	.45	−1.99	.14	5.5	10	9	0	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	30.4	−3.1	63	13	10	§19	39	.68	−2.16	.30	4.5	4	11	6	11	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	30.4	−3.8	60	12	11	19	31	1.25	−1.88	.41	9.3	11	4	8	16	w.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	28.7	−3.0	59	12	7	19	41	2.10	−1.42	.85	16.0	7	5	11	12	....	J. W. Swisher
Philippi	Barbour	1,300	44	....	....	....	....	....	....	....	.80	−2.38	.21	11.5	12	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	22.3	−9.6	47	13	−10	20	48	3.37	−1.72	.67	44.5	14	10	2	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	....	....	....	....	....	....	....	.59	−2.79	.20	4.7	9	6	6	16	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	....	....	....	....	....	....	....	1.11	−2.54	.34	16.4	11	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	33	....	....	....	....	....	....	....	.81	−2.12	.15	7.0	10	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	40	22.8	−6.0	50	12	−6	5	41	1.93	−1.66	.60	21.5	15	10	5	13	w.	Earl Lee
Thomas	Tucker	3,000	12	....	....	....	....	....	....	....	1.70	−1.86	.35	27.0	12	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	18	31.0	−7.5	65	13	7	§19	41	.65	−2.42	.17	5.7	6	8	8	12	w.	S. A. Spence
Vandalia	Lewis	1,120	18	....	....	....	....	....	....	....	.59	−2.43	.18	....	7	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	34	27.8	−2.2	59	13	3	10	40	.67	−1.52	.30	7.0	4	11	3	14	....	George P. Pfister
West Milford	Harrison	979	16	....	....	....	....	....	....	....	1.08	−2.25	.30	13.3	10	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	46	31.6	−2.3	60	12	10	§19	38	.96	−2.64	.18	8.2	12	0	20	8	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	28.8	−3.3	62	13	10	§10	40	.52	−1.77	.24	8.4	10	4	10	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	....	....	....	....	....	....	....	.85	−2.02	.40	10.5	5	9	8	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	26.2	−8.5	50	13	6	19	26	1.63	−1.32	.50	17.2	12	7	12	9	....	L. A. Mauck
Bluefield	Mercer	2,558	46	^{d}30.4	−4.4	54	12	10	20	^{d}29	1.74	−1.19	.75	12.6	10	11	3	14	....	Norfolk & Western Ry.
Charleston	Kanawha	602	38	32.8	−6.4	62	14	13	20	33	.88	−2.43	.25	4.5	6	....	....	....	....	Charleston Daily Mail
Clay	Clay	790	25	....	....	....	....	....	....	....	.73	−2.53	.19	4.4	7	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,270	3	23.2	....	47	§6	3	20	34	1.23	....	.51	12.4	11	6	3	19	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	29.8	−8.1	61	12	9	§24	43	1.62	−1.52	.56	3.5	8	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	32.6	....	61	§12	9	20	36	.43	....	.15	3.9	5	7	10	11	sw.	State Forest Nursery
Hinton	Summers	1,431	44	31.7	−3.8	64	12	10	10	44	1.22	−1.67	.45	2.7	10	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	25	....	....	....	....	....	....	....	.39	−2.54	.10	1.0	7	....	....	....	....	Lockmaster
Huntington	Cabell	571	44	34.6	−.1	66	12	13	20	40	.47	−2.61	.16	2.6	5	7	9	12	nw.	H. N. Robinson
Institute	Kanawha	606	3	31.4	....	64	12	6	20	39	.80	....	.35	4.8	9	....	....	....	....	Civil Aero. Administratio
Kanawha Falls	Fayette	618	22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	25	....	....	....	....	....	....	....	1.18	−2.26	.22	10.2	11	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	28.0	−5.3	55	12	7	§10	36	1.01	−1.78	.64	3.5	7	11	4	13	....	J. K. Monroe
Logan	Logan	700	38	32.6	−6.9	62	§12	11	§20	40	.81	−2.69	.34	2.0	8	6	7	15	....	Paul A. Simonds
London Locks	Kanawha	623	5	32.0	....	62	12	10	§20	39	.83	....	.31	3.0	7	8	3	17	n.	Lockmaster
Madison	Boone	675	20	29.2	−7.4	62	13	7	20	39	.69	−2.54	.39	1.5	3	7	7	14	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	*29.4	−2.4	60	12	0	8	46	1.00	−2.30	.40	5.8	5	9	6	13	n.	Edward A. Moore
Point Pleasant	Mason	595	42	31.6	−1.8	60	13	10	§20	37	.37	−2.78	.12	1.3	7	8	14	6	w.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	27.0	−6.5	55	§12	2	19	41	2.19	−2.02	.50	25.0	14	8	4	16	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	32.6	−6.2	64	13	11	20	42	.70	−2.27	.30	1.7	7	10	4	14	nw.	Lockmaster
Richwood	Nicholas	2,193	11	24.6	−9.9	54	12	−3	§19	43	1.56	−2.56	.36	18.3	14	5	13	10	nw.	Cherry River Paper Co.
Ryan	Roane	700	38	28.4	−5.9	60	§12	4	20	41	.74	−2.54	.24	5.4	6	9	8	11	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	28.0	....	64	§13	−11	10	53	.69	....	.24	6.7	6	14	4	10	....	Supt., State Forest
Spencer	Roane	789	37	30.6	−4.6	61	12	9	20	42	.68	−2.47	.20	4.0	9	4	15	9	....	A. M. McKown
Sutton	Braxton	850	35	31.2	−4.9	61	§12	5	20	41	1.49	−1.95	.30	9.0	9	....	....	....	....	C. B. Eakle
Union	Monroe	2,200	37	27.4	−7.8	60	12	3	10	51	1.30	−1.55	.65	5.5	6	11	0	17	....	C. B. King
Wayne	Wayne	598	14	....	....	....	....	....	....	....	.60	−2.32	.18	2.8	7	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	28.0	−7.5	61	12	2	10	51	1.24	−1.39	.75	5.3	7	11	4	13	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	32.6	−4.8	62	12	11	19	39	.93	−2.42	.44	3.1	9	8	6	14	se.	J. E. Dotson
Winfield Locks	Putnam	571	3	31.8	....	62	13	10	§20	38	.65	....	.41	1.5	7	6	10	12	w.	Lockmaster
State averages and	extremes	....	....	29.2	−4.1	66	12	−11	10	57	.96	−2.17	.95	9.3	8	8	8	13	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Interpolated.

Daily Precipitation for February 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.08		.02	.10	T.	T.		.10	.04	T.				.03	.10	.04	.17	.40	T.		.04	.08	.15	.11			.05	.26				1.77
Brandywine	do			T.													T.	T.										.30	.20				.50
Brushy Run[2]	do														T.	T.		.01	.05					T.				.03	.06				.15
Harpers Ferry[2]	do								.14						.12	.05			.07										.07				.45
Inwood	do							.01							.25	.05												T.	.20				.51
Kearneysville	do							.06							T.			T.											.17				.23
Knobly Mountain[2]†	do	.20							.20	T.					.22	T.		.10	T.	T.			T.	T.	T.			.10	.35				1.17
Martinsburg[2]	do	T.		T.	T.				T.						.10	.05	T.		T.					T.					.11				.26
McNeill	do														T.			.04	T.										.60				.64
Petersburg	do														.05			.08										.15	.08				.36
Piedmont	do			T.					T.						.13		T.	.18				T.						.07	.15				.53
Romney	do							T.							.40			.05										.04	.28				.77
Spruce Knob[2]†	do			T.	.07				.04	T.					.11	.12		.13	.10			T.	T.	.14	.04			.06	.15				.96
Stony River Dam[2]†	do				.20				.10	.10								.17	.28					.10				.20	.30				1.45
Wardensville[2]	do	T.													T.	.03		T.	T.									T.	.15				.18
Northern Division																																	
Aberdeen†	West Fork		T.	.01	T.			.04	.02	T.					.06	T.		.17	T.				.15					.13	.22				.80
Alma (near)	Ohio			.02				.02	.01						.07		.01	.18					.01	.03				.15	.07				.57
Alpena	Cheat		.06	.26	.07			.06	.11	.05					.20	T.	.08	.50	.13			.20	.20	.32				.22	.81				3.27
Belington[2]	Tygart	.05		.02	.08	T.	T.		.09	.02	T.				.01	.08	.02	.15	.20	T.	T.	T.	.01	.13	.02			.04	.27				1.20
Benson†	West Fork			.08	.04			.05	.06						.10			.15	.08			.03	.05	.08				.12	.08				.92
Bens Run	Ohio		T.	T.				.02	.03	T.					.18		T.	.10					.03					.22	.07				.65
Big Skin Creek†	West Fork		T.	.02				.05	.01	T.					.11		T.	.19					.02					.13	.08				.61
Brownsville†	do			.02				.04	.05						.09			.15	.02				.02					.10	.10				.59
Buckhannon	Tygart		.25	.05	T.			.05	.10	.08					.15		T.	.32				T.	.10	.10				.15	.15				1.50
Cairo	Litl.Kanawha							.03							.18		T.	.08	T.	T.		T.	.02	.03				.10	.08				.52
Clarksburg[2]	West Fork	T.			.02				.04	.05					.03	.04	.02	.10	.05					.13				.08	.12				.68
Crawford	do			.04	T.			.05	.01	T.					.14		T.	.20				T.	.10	.04				.10	.13				.81
Creston[2]	Litl.Kanawha	T.		T.	T.				.03	T.	T.				.05	.09	T.	.05	T.				T.	T.	T.			.10	.06				.38
Dailey[2]†	Tygart	.02		.02	.04	T.	T.		.02	T.	T.				T.	.12	.03	.15	.12	T.		T.	T.	.08	T			.11	.15				.86
Dam 10, Mon. R.[2]†	Monongahela			T.	.02				.06	T.	T.				.01	.03	.01	.02	.13					.02	T.			.04	.36				.70
Dam 13, O. R.[2]†	Ohio			.02	.02				.01						.01	.03	.02	.04	.05					.01				.03	.26				.50
Dam 15, Mon. R.[2]†	Monongahela	T.			T.	T.			.06	T.					T.	.03	T.	.03	.20				T.	.04	T.			.11	.29				.76
Dam 19, O. R.[2]†	Ohio	T.		T.	T.			T.	T.	.01					.40	.05	T.		T.	T.		T.	T.	T.				.16	.05				.67
Dam 20, O. R.[2]†	do	T.			T.			T.	.02	T.	T.				.23	.07	T	.05	.04		T.	T.		T.	T.			.30	.02				.73
Elizabeth (Dam 3)[2]	Litl.Kanawha								T.	T.					.14	.10		T.	T.									.20	T.				.44
Elk†	West Fork							.06							.11			.07		.10	.12			.26				.12	.08				.92
Elkins[1]‡	Tygart	T.	.03	.04	.03	T.		.05	.08	T					.16	.01	T.	.31	T.	T.		T.	.04	.09	T.	T.	.01	.28	.14				1.27
Fairmont[2]	Monongahela			T.	.08				.15	.03	T.				.03	T.	T.	.30	.10		T.	T.	T.	.15	T.			.30	.40				1.54
Glenville[2]	Litl.Kanawha	T.			T.				.09	T	T.				.17	.08	.04	.12	.10			T.	T.	.14				.16	.21				1.11
Grafton	Tygart			.02	.04				.10	.01	.07					.06	.11		.69						.07			.38					1.55
Hackers Creek†	West Fork			T.				T.							.20			.10	.20				.30					.30	.10				1.20
Hall[2]	Tygart	T.		T.	.09	T.			.09	.02	T.				.04	.11	T.	.12	.07	T.	T.	T.	T.	.03	T.			.03	.20				.80
Harrison Co. Airport[2]	West Fork			T.	.05				.06	.03	T.				T.	.02	.02	.03	.03				T.	.04				.04	.08				.40
Hastings	Ohio		T.	.05				.02	.75	.05	.03				.07			.18	.01	T.	T.		.01	.10	.02	T.	T.	.20	.12				1.61
Horner	West Fork			.03				.08	.03						.10			.04	T.			.05		.03				.15	.20				.71
Ireland	do		.02					.01	.06						.12		.07	.32	.14				.04	.06				.12	.18				1.14
Jane Lew	do			.01	.01			.05	T.						.09			.12	.01				.03	T.				.10	.13				.55
Kumbrabow St. For.†	[2]Tygart		T.	.23	.06	T.		T.	.12						.16	.10	.14	.95	T.			.03	.15	.35					.60				2.89
Lost Creek (near)	West Fork		T.	.02	T.			.03	.02	T.					.80		T.	.16	.02	T.	T.	T.	.10	.01				.13	.08				1.37
Mannington	Monongahela		.01	.02	.01			.04	.05	.01					.03		T.	.22	.10	.01			.02	.06				.30	.14				1.02
Midvale[2]†	Tygart	.04		.01	.18	.01			.11	.04	T.				.02	.03	T.	.14	.23	T.			.07	.11	.06			.09	.22				1.36
Morgantown	Monongahela		T.	T	T.			.10	T.	T.					.03	T.	.05	.15			T.	.04		T.				.22	.20				.79
Mt. Clare	West Fork		T.	.12	T.			.04	T.	T.					.07			.12	.10	T.	T.	.01	.02	T.				.13	.11				.72
New Cumberland	Ohio			.01				.02	.02	.01					.10		.04	.10					.03					.02	.10				.45
New Martinsville	do		T.	T.				T.	.07	T.					.11	T.		.20			T.	T.		T.				.30	T.				.68
Parkersburg[1]‡	do		T.	T.				.10	.06	T.				.02	.41		T.	.21	T.	.01	T.	T.	.11	.02			.04	.24	.03				1.25
Parsons	Cheat			.20		T.	T.	T.							.85			.39	.06				.20					.10	.30				2.10
Philippi[2]	Tygart	.03		T.	.06	T.	T.		.04	T.	T.				.01	.10	.01	.09	.13	T.	T.	T.	.02	.05	T.			.05	.21				.80
Pickens	do		T.	.20	.06			.09	.17	.05					.67	T.	.14	.65	.23			.10	.17	.18				.12	.54				3.37
Roanoke	West Fork			.02	.01			.04	T.						.12	T.		.20				T.	.03	.02				.10	.05				.59
Rockford†	do			.04		.02	T.	T.	T.	T.					.13		.06						.06	T.				.20	.18				.69
Rowlesburg[2]	Cheat	.04		T.	.04				.05	T.	T.				.03	.09	T.	.11	.31		T.	T.	.03	.10	T			.04	.24				1.11
Saint Marys[2]	Ohio				.02				.07	.03					.13	.03		.15	.05					.07				.11	.15				.81
Salem	West Fork			.05				T.	.06	T.					.05		.20				T.		.04	.06				.15	.06				.67
Shinnston	do	T.						.01	.20	.05	T.				T.			.20	T.	T.	T.	T.						.22	.10				.78
Terra Alta†	Cheat	.10		.06	.02				.06	.02					.10	.08	T.	.30	.20		.06	.06	.05	.06				.16	.60				1.93
Thomas[2]	do	.10			.15				.10	T.					T.	.05	.10	.10	.35	T.			.05	.30	.10			.10	.20				1.70
Valley Chapel	West Fork			T.				T.	T.	T.					.09			.15				T.	.07	.02				.15	.17				.65
Valley Head[2]	Tygart	.05		.02	.04	T.			.05	.02	T.				T.	.16	.05	.14	.49	T.		T.	T.	.06	.03			.03	.08				1.22
Vandalia†	West Fork			.01					.09						.10			.18					.03					.08	.10				.59
Wellsburg (near)	Ohio			T.				T.							.14		T.	.12	T.			T.	T.					.11	.30				.67
West Milford	West Fork			.04	.03			.04	.05						.08			.19					.17	.10				.30	.08				1.08
Weston[2]	do	T.		T.	.08				.10	.02					.02	.10	.06	.10	.15				.02	.08	T.			.05	.18				.96
Wheeling (Dam 12)[2]	Ohio		T.	T.	.01			T.	.02	T.	T.				.02	.03	.01	.04	.05					.04	T.			.06	.24				.52
Southern Division																																	
Arbovale[2]	Greenbrier			T.	.10				T.		.05					.20	T.	T.	.40				T.	T.	T.				.10				.85
Beckley	New		.05	.10	T.	T.		.06	.04	T.				T.	.50		T.	.22	.07			T.	.09	.06		.08	T.	.14	.22				1.63
Bluefield	New			.10		.10		.08			T.				.75	.01		.17	.15							.14		.19	.05				1.74
Camden-on-Gauley[2]	Gauley			.03	.05				.05	T.					.10	.12		.31	.14					.03	.01				.06				.90
Charleston[2]	Gr. Kanawha	T.	T.	T.	T.	T.		T.	.10	T.	T				.19	.10	T.	.12	T.					T.	T.	T.		.25	.12				.88
Clay[2]	Elk	T.		T	T.				.09	T.					.04	.12		.16	.07				T.	T.	T.			.06	.19				.73
Flat Top[2]	New	T.	T.	.02	T.	T.		.03	.02						.51	T.	.04	.28					.01	T.		.05	.09	.16	.02				1.23
Gary[2]	Big Sandy			T.		T.	T.	.01	T.	T.	T.			.01	.56	.48		.18						T.	T.	.10	T.	.20	.08				1.62
Greenbottom[2]†	Ohio		T.					.05	T.	T.					.15			.07				T.	T.	T.				.14	.02				.43
Hinton[2]	New	T.		T.	.02	T.	T.		T.	.02				T.	.32	.45	T.	.11	.15					.02	T.	.06		.04	.03				1.22
Hogsett[2]	Ohio							T.	.01						.08	.10		.08				T.	T.	.01	T.			.10	.01				.39
Huntington	do		T	T.				.07	T.	T.					.16			.09				T.	T.					.13	.02				.47
Institute[2]	Gr. Kanawha		.01	T.	T.			.02	T.	T.				T.	.35		.01	.10				T	.01			T.	.13	.14	.03				.80
Kanawha Falls[2]†	do																																
Kayford[2]	do			.02					.05	.04	T.				T.	.18	.18	.18	.10					.04		.04		.13	.22				1.18
Lewisburg	Greenbrier			T.				T.	.03	T.					.64		T.	.20	.07				T.	T.		.03		.03	.01				1.01
Logan[2]	Guyandot		T.	T.	T.	T.	T.	.01	.01	T.	T.				.26	.08	T.	.23	T.					T.	T.	.01		.12	.09				.81
London Locks[2]†	Gr. Kanawha				T.	T.			.03		T.				.14	.17		.17	.08					T.	T	T.	T.	.14	.10				.83
Madison[2]	Coal															.39		T.	.15									.15					.69
Marlinton	Greenbrier			.40	.08					.01						.35							.16										1.00
Point Pleasant[2]	Ohio			T				.02	.04		T.				.12	.04		.03	T.			T.	T.					.11	.01				.37
Princeton[2]	New		T.	T	T.	T.			.10	.10					.29	.26		.25	.09						T.	.15	T.	.24	.08				1.56
Rainelle	Greenbrier	.20	.02	.05	.01			.03	.05						.46	.02	.10	.34	.16					.16				.09	.50				2.19
Ravenswood[2]	Ohio							T.	.02						.30	.12		.09						.02				.10	.05				.70

Continued on next page.

Daily Precipitation for February 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood[2]	Gauley	....	....	.09	.08	....	....	....	.12	.03	....	....	....	....	.02	.20	.03	.30	.36	....	....	....	....	.08	.06	.01	....	.03	.15	....	....	....	1.56
Ryan	Gr. Kanawha	....	....	T.	....	....	....	.05	....	....	....	....	....	....	.20	....	....	.16	....	....	....	....	.03	....	....	....	....	.24	.06	....	....	....	.74
Seneca State Forest†	Greenbrier	....	T.	.01	....	....	....	....	T.	....	....	....	....	....	.24	....	T.	.03	.20	....	....	....	....	....	....	....	....	.16	.05	....	....	....	.69
Spencer[2]	Litl.Kanawha	....	....	....	T.	....	....	.01	.05	T.	T.	....	....	....	.08	.08	T.	.11	.05	....	....	T.	....	.05	....	....	....	.20	.05	....	....	....	.68
Sutton	Elk	....	.08	T.	....	....	....	.10	.10	T.	....	....	....	....	.27	....	....	.24	....	....	....	....	.20	.10	....	....	....	.10	.30	....	....	....	1.49
Thornwood[2]	Greenbrier	....	....	.04	.11	....	....	....	.14	.07	....	....	....	....	.09	....	.06	.43	.26	....	....	....	....	.13	....	....	....	.04	.12	....	....	....	1.49
Union[2]	New	....	....	....	....	....	....	....	....	....	....	....	....	....	T	.65	T.	.10	.35	....	....	....	....	....	....	.10	....	.03	.07	....	....	....	1.30
Wayne[2]	Twelvepole	....	....	....	....	....	....	.04	.03	....	....	....	....	....	.18	.10	....	.09	....	....	....	....	....	....	....	....	....	.10	.06	....	....	....	.60
White Sulp'r Spgs.[2]	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	.75	....	.05	.20	....	....	....	....	....	....	.03	....	.03	.03	....	....	....	1.24
Williamson[2]	Big Sandy	....	....	T.	T.	.02	T.	T.	.03	.03	T.	....	....	....	.36	.08	....	.15	....	....	....	....	....	T.	....	.01	....	.14	.11	....	....	....	.93
Winfield Locks[2]†	Gr. Kanawha	....	....	....	....	....	....	T.	.01	....	....	....	....	....	.25	.16	....	.09	.01	....	....	....	....	....	....	....	....	.10	.03	....	....	....	.65

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for February 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	38	32	25	18	34	51	28	21	21	43	48	53	48	42	25	30	30	18	8	18	18	23	23	38	38	36	30	18	....	....	....	30.5
	Minimum	22	24	16	10	−5	−3	9	9	11	−5	−5	8	15	32	22	17	18	4	2	2	3	10	9	12	15	7	8	12	....	....	....	10.0
Beckley	Maximum	40	40	31	28	29	45	45	31	22	37	43	47	50	36	34	35	35	29	25	27	28	28	25	35	36	34	34	27	....	....	....	34.1
	Minimum	28	30	20	14	11	21	19	11	13	11	18	22	36	32	24	20	27	12	6	7	13	15	14	15	26	14	24	12	....	....	....	18.4
Bluefield	Maximum	45	47	..	32	32	48	47	24	..	43	48	54	52	43	39	39	39	34	29	30	31	..	..	40	39	39	38	28	....	....	....	39.2
	Minimum	30	..	22	16	19	22	22	15	..	14	22	27	38	33	26	22	30	20	12	10	16	..	..	11	28	20	27	15	....	....	....	21.5
Brandywine	Maximum	45	40	38	37	40	50	45	34	35	45	54	58	55	50	40	41	34	30	36	38	30	35	34	46	47	44	35	29	....	....	....	40.9
	Minimum	22	20	23	8	7	14	30	20	16	2	10	13	22	30	29	25	24	1	7	7	17	10	13	7	22	10	22	12	....	....	....	15.8
Buckhannon	Maximum	40	40	34	30	25	52	50	26	26	40	48	54	57	50	40	35	35	30	22	25	25	28	32	36	41	40	35	30	....	....	....	36.6
	Minimum	28	28	23	9	14	21	20	18	18	10	18	22	29	37	29	22	28	12	9	5	13	19	15	22	29	17	27	17	....	....	....	20.0
Cairo	Maximum	48	47	39	34	42	53	55	28	24	47	52	61	62	63	41	41	41	36	27	28	32	27	35	42	48	49	41	30	....	....	....	41.9
	Minimum	23	33	27	15	14	21	26	21	20	13	14	20	26	40	32	23	29	14	12	5	10	21	20	16	26	14	27	18	....	....	....	20.7
Charleston[3]	Maximum	49	42	44	35	36	40	57	37	29	30	47	54	61	62	47	43	42	41	32	30	34	32	31	35	42	48	42	34	....	....	....	41.3
	Minimum	34	34	29	24	22	24	29	22	23	19	19	24	28	42	34	33	29	19	14	13	14	17	19	20	25	25	28	20	....	....	....	24.4
Clarksburg[3]	Maximum	43	41	30	31	39	55	36	26	26	44	51	58	62	47	34	38	35	22	20	25	24	27	32	39	44	35	32	24	....	....	....	36.4
	Minimum	30	30	26	13	13	14	24	20	18	14	13	15	20	27	32	25	25	12	11	10	9	19	10	22	22	19	19	16	....	....	....	18.9
Elkins	Maximum	41	36	27	28	35	52	42	22	23	46	51	56	53	45	31	31	34	20	17	25	21	23	27	34	39	40	32	20	....	....	....	34.0
	Minimum	28	27	21	13	9	15	16	16	14	8	15	20	40	31	26	21	18	10	7	8	16	12	13	21	26	17	20	14	....	....	....	17.9
Fairmont[3]	Maximum	45	38	30	33	41	57	36	28	26	44	54	61	62	46	32	39	34	23	21	22	24	28	32	40	48	38	32	25	....	....	....	37.1
	Minimum	30	31	26	19	14	19	31	20	18	14	15	20	25	37	32	24	24	11	9	8	12	19	11	21	22	17	20	17	....	....	....	20.2
Flat Top	Maximum	42	33	24	29	26	47	36	20	24	39	46	47	42	39	33	36	33	25	23	26	27	24	22	38	31	34	30	16	....	....	....	31.9
	Minimum	23	24	13	10	16	15	11	10	9	5	14	29	32	26	20	17	16	8	4	3	10	12	11	7	26	16	15	8	....	....	....	14.6
Gary[3]	Maximum	51	41	30	36	33	54	39	29	30	52	54	61	58	44	43	45	41	35	32	34	36	31	31	42	32	44	34	23	....	....	....	39.8
	Minimum	31	27	28	22	16	16	17	20	18	14	14	18	20	38	31	28	29	23	14	10	10	14	16	9	9	22	21	19	....	....	....	19.8
Glenville	Maximum	49	48	40	34	44	58	57	27	28	51	56	63	62	58	49	41	42	35	29	34	35	35	37	44	49	48	43	36	....	....	....	44.0
	Minimum	22	28	27	14	15	22	26	21	20	14	16	21	26	33	34	21	32	15	13	9	14	20	22	19	29	19	28	18	....	....	....	21.4
Grafton	Maximum	44	45	35	31	39	57	57	30	25	47	54	59	62	62	47	36	37	32	23	24	25	28	32	40	44	46	42	32	....	....	....	40.5
	Minimum	30	27	24	18	9	18	27	19	17	12	15	21	28	38	29	23	26	11	10	10	15	19	15	20	25	16	27	16	....	....	....	20.2
Huntington	Maximum	52	46	36	40	42	59	55	27	30	49	58	66	63	60	48	45	45	35	34	38	43	35	37	43	50	43	37	30	....	....	....	44.5
	Minimum	27	36	29	25	22	28	24	22	20	18	21	26	36	41	33	25	30	19	14	13	19	17	22	20	32	23	28	19	....	....	....	24.6
Lewisburg	Maximum	44	39	34	31	38	49	43	25	33	43	49	55	48	43	37	35	34	28	25	31	29	28	29	38	39	41	38	28	....	....	....	36.9
	Minimum	26	31	22	12	13	15	23	15	15	7	14	20	33	35	27	22	28	13	7	8	14	17	14	14	27	18	26	15	....	....	....	19.0
Logan[3]	Maximum	52	42	35	42	36	52	36	30	31	52	56	62	62	44	46	48	42	37	34	39	42	34	33	43	45	43	34	28	....	....	....	42.1
	Minimum	32	32	30	26	21	23	23	23	22	18	18	22	25	42	34	29	30	22	15	11	11	17	20	18	18	24	25	20	....	....	....	23.2
Madison[3]	Maximum	51	45	35	39	36	39	34	26	25	35	23	40	62	46	34	46	41	40	25	36	41	28	30	40	46	43	34	25	....	....	....	37.3
	Minimum	30	28	28	24	17	21	29	22	19	15	17	19	23	33	32	22	31	19	10	7	10	14	19	16	20	18	27	19	....	....	....	21.0
Mannington	Maximum	42	40	34	30	38	53	50	27	27	41	49	56	60	56	41	35	34	30	21	22	24	27	33	36	42	41	34	29	....	....	....	37.6
	Minimum	30	27	25	19	11	22	25	20	18	7	13	18	24	35	31	24	27	11	9	7	13	20	17	17	24	14	27	16	....	....	....	19.7
Marlinton	Maximum	53	35	45	32	49	53	39	46	35	32	52	60	53	..	48	45	46	45	37	42	40	36	41	47	49	49	51	45	....	....	....	44.6
	Minimum	20	30	20	8	7	10	25	0	15	14	6	14	20	..	17	21	26	10	1	1	10	10	11	11	26	14	25	11	....	....	....	14.2
Martinsburg[3]	Maximum	42	41	34	34	40	50	40	35	36	37	47	52	40	44	40	36	46	29	29	32	35	37	40	41	50	37	37	26	....	....	....	38.8
	Minimum	27	30	29	19	17	17	21	24	23	16	16	17	24	29	35	28	28	17	17	15	19	23	22	21	25	21	21	21	....	....	....	22.2
Morgantown	Maximum	41	39	33	31	37	56	51	24	26	41	48	57	58	51	39	35	31	29	19	21	22	26	31	35	41	37	32	30	....	....	....	36.5
	Minimum	29	31	23	13	12	27	24	14	15	8	24	28	40	39	28	23	15	9	8	8	16	16	15	18	25	14	24	16	....	....	....	20.1
New Cumberland	Maximum	42	41	33	31	42	48	45	25	38	42	50	58	59	50	38	34	35	29	19	23	26	27	32	38	41	35	34	25	....	....	....	37.1
	Minimum	30	32	26	17	12	30	23	19	18	5	11	24	29	36	30	23	26	10	8	13	18	19	19	14	25	13	24	17	....	....	....	20.4
New Martinsville	Maximum	46	40	34	36	43	54	50	27	29	34	52	60	63	59	39	39	35	28	23	24	26	29	35	40	48	39	35	29	....	....	....	39.1
	Minimum	31	30	27	21	16	29	24	19	19	12	17	21	27	37	31	26	27	12	10	10	15	18	18	20	27	17	27	17	....	....	....	21.6
Parkersburg	Maximum	47	42	32	34	40	56	41	25	28	45	52	60	59	47	38	40	39	23	23	30	26	26	32	39	45	36	28	25	....	....	....	37.8
	Minimum	30	30	21	20	22	30	23	19	20	20	21	30	38	35	30	26	21	14	11	12	20	19	22	21	28	19	20	18	....	....	....	23.0
Pickens	Maximum	38	33	27	28	34	46	34	41	30	44	46	43	47	42	38	32	30	26	20	25	22	20	24	40	37	39	33	24	....	....	....	33.7
	Minimum	18	20	14	8	3	15	11	9	7	−4	15	19	30	27	20	14	15	4	−6	−10	8	5	5	7	21	4	18	8	....	....	....	10.9
Point Pleasant	Maximum	47	47	39	34	36	57	56	25	29	42	52	59	60	59	41	41	41	32	27	33	35	34	36	42	49	44	36	29	....	....	....	41.5
	Minimum	26	32	28	23	16	29	25	20	19	11	16	22	31	39	32	24	30	15	12	10	18	10	21	11	28	17	26	17	....	....	....	21.7
Rainelle	Maximum	47	42	34	32	39	49	48	27	27	40	51	55	55	46	39	37	38	32	28	33	31	33	34	41	41	41	38	34	....	....	....	39.0
	Minimum	21	21	20	13	5	9	20	15	11	3	10	15	30	33	25	20	27	9	2	3	12	13	11	9	22	12	15	12	....	....	....	14.9
Ravenswood	Maximum	43	48	38	38	41	56	57	32	29	46	53	61	64	60	41	44	40	40	33	33	38	35	35	43	48	49	41	33	....	....	....	43.5
	Minimum	24	29	26	22	17	29	23	21	19	15	17	19	33	38	31	24	30	15	12	11	19	13	19	13	23	20	25	17	....	....	....	21.6
Richwood[3]	Maximum	45	36	23	28	36	50	39	16	22	44	48	54	48	42	33	34	33	18	20	28	27	21	25	36	38	42	35	19	....	....	....	33.6
	Minimum	28	26	21	15	10	14	30	16	14	3	5	17	23	38	26	22	22	11	−3	−3	−1	12	13	13	14	17	17	15	....	....	....	15.5
Romney	Maximum	36	34	43	35	40	55	50	45	35	43	57	60	55	42	42	45	40	40	34	30	29	33	41	42	47	42	35	30	....	....	....	41.4
	Minimum	21	22	26	18	12	13	32	15	22	10	12	20	27	36	21	21	15	10	13	16	21	23	20	20	26	17	26	20	....	....	....	19.8
Spencer[3]	Maximum	48	40	33	31	42	56	32	25	27	47	59	61	60	46	42	40	38	28	26	32	30	27	34	42	42	40	32	27	....	....	....	38.8
	Minimum	25	38	27	16	16	24	31	20	19	13	17	21	32	43	31	25	33	15	10	9	13	14	17	15	28	40	21	17	....	....	....	22.5
Sutton	Maximum	47	47	36	32	42	56	56	28	27	47	53	61	61	58	40	40	40	36	28	31	31	29	32	40	46	46	39	33	....	....	....	41.5
	Minimum	24	27	26	12	13	19	22	20	19	12	15	20	28	39	32	26	31	16	10	5	14	18	18	22	28	20	28	18	....	....	....	20.8
Wardensville[3]	Maximum	47	42	32	37	41	53	45	31	34	42	53	58	57	45	35	36	43	26	26	29	34	35	35	43	49	39	32	26	....	....	....	39.5
	Minimum	31	22	26	17	9	16	25	21	20	7	9	16	22	31	32	26	25	14	13	17	18	19	18	13	23	17	25	20	....	....	....	19.7
Weston	Maximum	50	47	37	30	42	58	52	30	28	45	55	60	59	54	50	40	39	35	24	28	25	25	31	40	45	44	39	34	....	....	....	40.9
	Minimum	26	30	24	12	16	24	29	18	19	14	19	22	38	36	30	25	22	14	10	10	18	21	22	24	29	21	29	19	....	....	....	22.2
Wheeling[3]	Maximum	44	37	33	33	41	50	35	28	31	41	50	57	62	45	45	34	35	22	20	22	27	28	34	36	43	35	29	27	....	....	....	36.6
	Minimum	31	33	27	20	18	21	34	23	20	10	10	18	29	32	32	24	25	12	10	12	15	20	19	18	20	17	17	17	....	....	....	20.9
Williamson[3]	Maximum	53	43	34	40	36	56	35	27	31	51	55	62	61	45	42	49	44	37	35	39	42	37	35	41	45	43	35	29	....	....	....	42.2
	Minimum	30	30	30	28	23	22	23	22	19	19	20	23	25	35	33	29	29	24	11	13	14	19	23	15	16	25	25	21	....	....	....	23.1

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 3-31-41—925)

Y 5 1941
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., MARCH 1941 No. 3

GENERAL SUMMARY

Following a February that was cold and the second driest of record, this month was the second coldest and the fifth driest March, making the two-month period just ended the driest and second coldest of any similar period of record. This was an unusual situation, as occasional records for a single weather element, temperature or precipitation, may to a great degree conform in summarizations for two succeeding months, but it is rare for both elements to exhibit such similarity. The mean temperature for every station in the State was below normal. The departures from normal ranged from −13.9° at Logan to −1.3° at Marlinton. Temperatures of zero or lower were recorded during the month in Preston, Grant, Tucker, Marion, Taylor, Randolph, Pocahontas, Raleigh and Greenbrier counties.

It was the fourth consecutive month with the precipitation average below normal. The northeastern panhandle division averaged 54 per cent of normal, the northern division, 44 per cent, and the southern division, 57 per cent. The average snowfall of 12.2 inches was 6.3 inches above the normal. The greatest number of snow-lying days was 28 at Spruce Knob.

Fruit trees remained dormant throughout the month, and winter grains and pastures were delayed by the cold dry weather. Farm activities were mostly in the way of land preparation and potato seeding.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 34.8°, or 7.5° below the normal. The mean for the northeastern panhandle division was 34.8°; for the northern division, 33.5°; and for the southern division, 35.9°. The highest monthly mean was 40.0° at Huntington and the lowest, 25.4° at Bayard. The highest temperature was 72° at Seneca State Forest on the 22d and 23d; and the lowest, −7° at Alpena on the 2d. The greatest daily range was 58° at Seneca State Forest on the 22d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 1.95 inches, or 1.94 inches below the normal. In the northeastern panhandle division the average was 1.65 inches; in the northern division, 1.78 inches; and in the southern division, 2.33 inches. The greatest monthly precipitation was 4.74 inches at Mullens, and the least, .71 inch at Shinnston. The greatest amount in any 24 consecutive hours was 1.42 inches at Piedmont on the 7-8th. The average monthly snowfall was 12.2 inches, or 6.3 inches above the normal. The greatest monthly snowfall was 38.0 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																															
Fogs, dense						3		1	2	2	1		1	2	1	1			1			2	1	8		1	2	3			1
Gales	2		2		1	1		1		1	2	5				2	11	4	2	1			1	1	2	1		1	3		1
Hail																2															
Halos, lunar											1																				
Halos, solar						1				2													1			1	1				
Sleet				1		1	8	5	1		1																				
Thunderstorms			6	2												2	1														

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level) Mean	Highest	Date	Lowest	Date	Wind Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine
Cincinnati, Ohio	30.09	30.55	18	29.51	3	8.8	31	sw.	11	73	48	54	57
Columbus, Ohio	30.07	30.45	18	29.48	3	10.4	37	sw.	11	86	53	64	57
Elkins	30.06	30.41	18	29.52	9	7.3	29	w.	12	81	59	63	45
Huntington Airp't	30.06	30.53	18	29.64	2	......	27	w.	11	79	47	55	....
Parkersburg	30.07	30.47	18	29.57	3	7.7	27	w.	16	81	50	53	42
Pittsburgh, Pa	30.04	30.37	22	29.47	3	11.9	34	nw.	16	78	57	63	41

COMPARATIVE DATA FOR MARCH

Year	Temperature Mean	Maximum	Minimum	Precipitation (inches) Average Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	......	......	5.52	5.24	5.46	4.91	......	......	......	......	......
1892	36.4	87	8	4.08	3.24	3.73	3.50	......	......	......	......	......
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	......	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	......	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	**94**	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	**34.4**	63	7	.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
Period	42.3	94	−18	3.03	4.03	4.09	3.89	5.9	12	11	7	13

Climatological Data for March 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	25.4	−12.3	58	23	−3	§2	51	2.27	−2.24	0.85	27.5	12	13	7	11	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	34.0	−7.4	65	§3	4	2	47	1.15	−1.32	.60	10.0	3	17	2	12	n.	E. L. Keister
Harpers Ferry	Jefferson	400	52	....	....	....	....	....	....	....	2.31	−.74	1.04	16.2	9	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	9	37.2	....	65	§3	10	18	35	1.60	....	.60	13.2	8	12	13	6	nw.	H. W. Prettyman
Kearneysville	Jefferson	548	11	37.6	−4.4	65	3	11	18	39	1.96	−1.36	1.08	16.0	5	10	18	3	n.	University Exper. Station
Martinsburg	Berkeley	435	49	37.2	−4.4	66	§3	12	18	41	1.56	−1.70	.70	13.0	7	22	6	3	nw.	Dr. H. S. Gardner
McNeill	Hardy	800	45	33.9	−7.1	63	3	2	§2	56	1.33	−1.26	.55	11.0	4	8	11	12	w.	R. E. Saville
Piedmont	Mineral	1,053	28	34.3	−6.9	59	23	7	18	39	1.97	−1.01	1.42	14.0	6	10	9	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	43	37.8	−4.6	65	3	10	18	41	||||	||||	1.15	13.0	..	20	3	8	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	....	....	....	....	....	....	....	1.23	....	.31	19.0	11	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	21	....	....	....	....	....	....	....	1.72	−1.63	.90	20.0	4	9	7	15	w.	A. C. Becker
Wardensville	Hardy	1,200	20	34.0	−7.9	64	3	9	18	44	1.63	−.57	.82	15.7	8	8	15	8	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	....	....	....	....	....	....	....	1.92	−1.87	.41	11.3	11	6	16	9	....	L. Esle Bond
Alma (near)	Tyler	800	14	....	....	....	....	....	....	....	1.17	−2.84	.30	8.0	12	7	9	15	....	H. W. & T. J. Furbee
Alpena	Randolph	2,571	10	29.0	−6.7	64	23	−7	2	53	2.77	−2.86	.60	35.0	11	7	9	15	....	Christian Hertig
Benson	Harrison	1,080	17	33.7	−6.6	68	23	2	5	55	1.65	−1.81	.40	20.0	10	10	15	6	....	R. D. Marts
Bens Run	Pleasants	652	39	34.4	−9.1	59	31	9	18	33	1.24	−2.80	.32	8.2	9	15	10	6	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	18	35.8	−6.1	70	23	4	5	45	1.66	−1.81	.42	....	10	11	9	11	....	M. D. Hawkins
Buckhannon	Upshur	1,411	44	33.7	−8.2	65	§23	4	2	41	2.39	−2.12	.46	9.5	10	13	9	9	....	H. A. Darnall
Cairo	Ritchie	680	40	35.8	−8.5	68	23	5	2	45	1.43	−2.39	.42	12.5	11	8	13	10	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	31.2	−8.5	67	23	3	2	54	1.53	−1.49	.70	14.7	11	5	12	14	....	Clarksburg Water Board
Crawford	Lewis	1,107	18	....	....	....	....	....	....	....	1.77	−2.56	.51	9.5	8	9	10	12	w.	George W. Blair
Creston	Wirt	640	39	36.8	−7.2	67	23	6	5	43	2.18	−1.92	.65	9.5	6	9	7	15	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	....	....	....	....	....	....	....	1.54	−2.23	.40	12.8	13	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	25	....	....	....	....	....	....	....	.96	−2.47	.27	8.1	10	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	20	....	....	....	....	....	....	....	1.94	−1.20	.55	10.5	12	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	25	....	....	....	....	....	....	....	1.16	−2.38	.44	7.0	9	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	....	....	....	....	....	....	....	1.30	−2.41	.46	8.1	8	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	....	....	....	....	....	....	....	.90	−2.85	.38	8.3	5	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	40	32.0	−8.0	66	23	−2	2	45	2.10	−1.70	.51	12.4	15	6	6	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	32.6	−8.9	68	23	5	2	47	1.56	−2.41	.45	21.5	10	7	6	18	w.	J. C. Robinson
Glenville	Gilmer	738	47	38.0	−6.7	71	23	7	5	46	2.62	−1.67	.98	10.2	8	2	21	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	34.6	−6.9	69	24	−1	2	44	1.77	−1.99	....	10.5	8	9	6	16	....	L. W. Clayton
Hastings	Wetzel	809	6	....	....	....	....	....	....	....	1.95	....	.38	11.2	12	11	8	12	w.	L. G. McIntyre
Horner	Lewis	1,044	18	....	....	....	....	....	....	....	1.73	−2.03	.48	....	11	....	....	..	....	Foster R. Hardman
Jane Lew	Lewis	1,020	18	....	....	....	....	....	....	....	1.69	−1.57	.46	10.5	10	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	34.0	−8.4	62	23	3	§2	45	1.70	−2.22	.41	12.5	13	6	7	18	nw.	Chas. H. Washburn
Mannington	Marion	974	38	32.6	−9.7	64	23	0	§1	44	2.06	−1.97	.40	12.7	13	8	7	16	w.	James A. Morgan
Morgantown	Monongalia	1,300	48	32.8	−9.3	65	23	5	1	34	||||	||||	.45	13.0	.	15	3	13	....	Bruce Davis
New Cumberland	Hancock	671	43	34.0	−5.4	65	23	9	§17	40	1.84	−1.40	.52	9.0	9	13	0	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	35.7	−7.6	67	23	8	18	43	1.31	−2.48	.41	5.0	5	13	11	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	35.6	−7.2	64	23	10	18	38	1.26	−2.23	.47	8.2	13	8	8	15	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	^{a}32.8	−7.7	67	23	^{a}−4	2	50	2.31	−1.96	.63	9.1	15	6	7	18	....	J. W. Swisher
Philippi	Barbour	1,300	44	....	....	....	....	....	....	....	1.83	−2.31	.48	12.9	12	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	28.8	−10.4	65	23	−4	§2	48	3.12	−2.79	.47	27.5	13	9	9	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	....	....	....	....	....	....	..	1.89	−1.73	.47	12.1	9	12	6	13	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	....	....	....	....	....	....	....	2.16	−2.69	.39	17.0	12	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	33	....	....	....	....	....	....	....	1.65	−2.27	.48	10.0	8	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	40	^{b}29.6	−8.3	^{d}57	24	−1	18	41	1.49	−2.95	.35	22.0	9	12	11	8	w.	Earl Lee
Thomas	Tucker	3,000	12	....	....	....	....	....	....	....	2.21	−2.90	.63	21.0	12	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	18	35.2	−7.3	70	23	4	5	48	2.12	−1.57	.48	12.2	11	8	11	12	w.	S. A. Spence
Vandalia	Lewis	1,120	18	....	....	....	....	....	....	....	1.75	−1.45	....	10.0	6	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	658	34	32.6	−7.2	64	23	5	2	47	1.51	−1.68	.47	8.0	8	11	6	14	....	George P. Pfister
West Milford	Harrison	979	16	....	....	....	....	....	....	....	1.67	−1.87	.30	7.5	12	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	46	36.3	−7.5	64	23	6	2	39	2.51	−1.77	.63	16.0	16	2	22	7	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	32.2	−8.3	66	23	10	§1	44	1.15	−2.13	.33	14.7	11	10	6	15	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	....	....	....	....	....	....	....	1.21	−2.60	.40	15.0	8	8	11	12	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	32.6	−10.0	58	21	4	2	40	2.83	−.94	.90	13.7	10	7	15	9	....	L. A. Mauck
Bluefield	Mercer	2,558	46	^{c}35.5	−7.9	^{c}63	§22	^{c}9	18	....	2.80	−.32	.61	10.8	12	14	4	13	....	Norfolk & Western Ry.
Charleston	Kanawha	602	38	....	....	....	....	....	....	....	....	....	....	....	.	....	....	....	....	Charleston Daily Mail
Clay	Clay	790	25	....	....	....	....	....	....	....	2.78	−1.37	.72	10.0	13	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,270	3	30.7	....	58	22	3	18	35	2.69	....	.78	13.7	13	7	11	13	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	36.0	−6.5	67	22	9	2	45	3.27	−.89	.90	....	13	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	38.0	....	67	31	12	§5	45	1.67	....	.71	5.8	8	9	11	11	sw.	State Forest Nursery
Hinton	Summers	1,431	44	38.3	−5.8	71	22	11	2	48	2.32	−1.58	.79	4.2	11	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	25	....	....	....	....	....	....	....	1.39	−2.49	.50	8.0	8	....	....	....	....	Lockmaster
Huntington	Cabell	571	44	40.0	−5.0	68	31	13	18	39	1.64	−2.58	.55	5.8	8	7	16	8	nw.	H. N. Robinson
Institute	Kanawha	606	3	36.4	....	67	§23	10	§5	43	2.46	....	.84	8.4	11	....	....	....	....	Civil Aero. Administration
Kanawha Falls	Fayette	618	22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Miss Loula M. Brown
Kayford	Kanawha	1,335	25	....	....	....	....	....	....	....	3.06	−1.58	.73	10.3	13	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	34.8	−7.3	64	22	7	18	40	2.21	−1.43	.77	8.3	9	11	6	14	....	J. K. Monroe
Logan	Logan	700	38	38.4	−13.9	69	§20	15	§2	45	2.72	−2.00	.75	T.	11	11	6	14	....	Paul A. Simonds
London Locks	Kanawha	623	5	36.5	....	67	23	12	§2	48	2.93	....	.84	3.0	11	9	8	14	w.	Lockmaster
Madison	Boone	675	20	^{b}38.1	−4.6	^{b}67	§20	^{b}13	18	44	3.06	−1.12	....	....	7	....	....	....	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	36.6	−1.3	66	4	4	18	51	1.49	−3.05	.52	9.0	5	5	14	12	sw.	Edward A. Moore
Point Pleasant	Mason	595	42	37.0	−8.2	69	§20	10	§5	47	1.27	−2.82	.47	6.0	9	11	11	9	w.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	34.0	−5.3	65	22	−3	2	53	2.15	−3.40	.56	17.5	12	11	7	13	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	37.8	−5.5	65	20	9	5	41	1.53	−2.36	.52	8.5	10	11	2	18	nw.	Lockmaster
Richwood	Nicholas	2,193	11	31.4	−9.4	62	23	2	2	48	3.00	−2.50	.57	18.0	15	9	18	4	se.	Cherry River Paper Co.
Ryan	Roane	700	38	31.4	−8.4	62	§20	6	§2	42	1.66	−2.70	.58	11.7	8	10	13	8	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	33.2	....	72	§22	−2	2	58	1.27	....	....	9.0	5	7	18	6	sw.	Supt., State Forest
Spencer	Roane	789	37	35.8	−7.1	68	23	8	5	42	1.55	−2.52	.63	8.5	9	8	13	10	....	A. M. McKown
Sutton	Braxton	850	35	36.8	−7.4	69	§23	6	2	44	1.95	−2.39	.60	12.0	7	....	....	....	....	C. B. Eakle
Union	Monroe	2,200	37	33.7	−9.7	65	§21	5	2	48	3.10	−.45	.85	6.5	8	12	1	13	....	C. B. King
Wayne	Wayne	598	14	....	....	....	....	....	....	....	2.13	−2.47	.47	7.0	10	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	35.4	−7.2	66	23	6	2	55	2.20	−1.37	.90	9.0	6	18	4	9	....	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	38.7	−8.0	69	§20	12	§1	47	3.12	−1.42	.70	1.6	14	10	11	10	ne	J. E. Dotson
Winfield Locks	Putnam	571	3	35.6	....	65	23	10	18	47	1.59	....	.46	5.7	10	7	10	14	nw.	Lockmaster
State averages and	extremes	....	....	**34.8**	**−7.5**	**72**	**§22**	**−7**	**2**	**58**	**1.95**	**−1.94**	**1.42**	**12.2**	**10**	**9**	**10**	**12**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. |||| Incomplete.

Daily Precipitation for March 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.04			T.	.03		T.	.85	.48		.26	.05	.17	T.		.02	.15	.04						.02					T.	.16		2.27
Brandywine	do							.60	.40			.15													T.								1.15
Brushy Run[2]	do							T.	.66	.47		.15	.05		T.		.01	T.							.05						.05		1.44
Harpers Ferry[2]	do	.08		.03				T.	1.04	.73		.21	.14	T.	T.		.03								.02	T.					.03		2.31
Inwood	do	.01						.50	.60	.06		.35		T.			.02								.02					.04			1.60
Kearneysville	do							.43	1.08	.11		.30																		.04			1.96
Knobly Mountain[2]†	do	T.		.02	.01			.05	.90	.30		.20	T.	.10	T.			.05	.05	T.					T.	T.	.05			T.	T.		1.73
Martinsburg[2]	do	.01							.70	.45		.20	.10				.05								.05						T.		1.56
McNeill	do							.55	.45	.12		.21		T.				T.							T.	T.				T.			1.33
Petersburg	do							.35	.59	.12				.02											.01								1.09
Piedmont	do							.55	.87			.49	T.	.01			T.	T.							.04					.01			1.97
Romney	do								1.15	.15																				T.			|||
Spruce Knob[2]†	do	T.	T.			.10		.04	.31	.17		.06	.04	.12	T.		T.	.06	T.						.11	.09	T.			T.	.13		1.23
Stony River Dam[2]†	do								.90	.50								.10													.22		1.72
Wardensville[2]	do	.08						.03	.82	.44		.14	.04	T.	.04										.04		T.				T.		1.63
Northern Division																																	
Aberdeen†	West Fork			T.	.12			.36	.41	.25		.36	.03	.04			.10	.15	T.						.08	T.				.02			1.92
Alma (near)	Ohio			.03	.03			.21	.30	.20		.21	.01	.01			.01	.09							.06					.01			1.17
Alpena	Cheat				.20			.40	.60	.25		.41	.20	.10				.15	.10						.14	T.				.22			2.77
Belington[2]	Tygart	.07	T.		.01	.11		T.	.44	.42	T.	.35	.05	.09	T.		.10	.20	.02						.03	.05	T.			T.	.13		2.07
Benson†	West Fork				.08			.30	.40	.18		.35	.08	.05			.09	.08							.04								1.65
Bens Run	Ohio			.08	T.			.30	.32	.14		.22	.03				.06								.07					.02			1.24
Big Skin Creek†	West Fork			.02	.14			.37	.42	.06			.37	.09			.17	.07							.09	.06				T.			1.86
Brownsville†	do				.06			.39	.29	.15		.42	.01	.02			.14	.11							.07								1.66
Buckhannon	Tygart			.15	.10			.35	.43	.18		T.	.46	.06			.16	.25	T.						.25	T.				T.			2.39
Cairo	Litl.Kanawha	T.		.03	.05			.25	.42	.30		.18	.02	.02			.05	.08							.03					T.			1.43
Clarksburg[2]	West Fork				.01	.04			.70	.30		.28		.02	T.		.07	.02							.03	.04					.02		1.53
Crawford	do			T.	.12			.37	.35	.09		.51	T.	T.			.17	.12							.04					T.			1.77
Creston[2]	Litl.Kanawha	T.	T.	T.		.05			.65	.45		.40		T.	T.		.60	.03	T.						T.	T.				T.	T.		2.18
Dailey[2]†	Tygart	.05	T.		.05	.04		T.	.33	.41	T.	.27	.06	T.	T.		.07	.08	T.						.11	T.	T.			T.	.05		1.52
Dam 10, Mon. R.[2]†	Monongahela.	.03			.22	.03			.26	.40	T.	.22	.08	.04			.01	.05		T.					.07	.08	T.				.05		1.54
Dam 13, O. R.[2]†	Ohio	.08			.03	T.			.27	.22	T.	.13	.03	.03				.07	T.						.04						.06		.96
Dam 15, Mon. R.[2]†	Monongahela.	T.			.20	.05			.55	.35	T.	.26	.06	.03	T.		.03	.20							.07	.07	T.				.07		1.94
Dam 19, O. R.[2]†	Ohio				.05			T.	.44	.20		.16	.02	.01	T.		.02	.01	T.						.25	T.				T.			1.16
Dam 20, O. R.[2]†	do				.10	.03		T.	.46	.26		.20	T.	T.	T.		.04	T.							.17	.04				T.			1.30
Elizabeth (Dam 3)[2]	Litl.Kanawha				.03				.38			.34					.08	.07							T.	T.							.90
Elk†	West Fork				*			.53	.52	.28		.22	.05					.20							.15								1.95
Elkins[1]‡	Tygart	.03		T.	.19			.25	.50	.04		.46	.04	.05		.02	.05	.21	.03					.06	.06	T.				.11		T.	2.10
Fairmont[2]	Monongahela.	.02		T.	.13				.45	.31		.28		.13	T.		.05		T.						.08	.03	T.		T.		.08		1.56
Glenville[2]	Litl.Kanawha	.06			T.	.28		T.	.98	.42	T.	.38		T.	T.		.23	.19							.08	T.				T.			2.62
Grafton	Tygart				.09				*	.95		.31			.05			.16								.07				.11			1.77
Hackers Creek†	West Fork			*	.10			.27	.50									.10							.05								1.02
Hall[2]	Tygart	.04	T.		T.	.11		T.	.51	.31	T.	.37	T.	.06	T.		.12	.11	T.	T.					.02	.07	T.			T.	.06		1.78
Harrison Co. Airport[2]	West Fork				.02	.04		T.	.34	.22	T.	T.	T.	.05	T.		.05	.04							T.	.02	T.	T.			.02		.80
Hastings	Ohio			.08	.22			.15	.32	.38		.32	.05	T.			.06	.18	T.						.08	.04				.07			1.95
Horner	West Fork							.35	.48	.03		.10	.05	.06	.10		.26	.11							.09		.10						1.73
Ireland	do							.26	.65	.08		.72		.02				.12							.04					.01			1.90
Jane Lew	do			T.	.10			.37	.22	.23		.46	.01	.02			.10	.11							.07								1.69
Kumbrabow St. For.†[2]	Tygart	T.		.12	.22			.35	.35	.10		.04	.10	T.				.22							.29	.40				.15			2.34
Lost Creek (near)	West Fork			.02	.09			.41	.37	.21		.32	.03	.01			.08	.10	T.						.03	.01				.02	T.	T.	1.70
Mannington	Monongahela.			.14	.19			.21	.40	.30		.29	.05	.03			.03	.17	T.						.11	.05				.09	T.		2.06
Midvale[2]†	Tygart	.07	.04		.05	.08		T.	.50	.24	.06	.38	.09	.08	T.		.09	.19	.04							.09	.02			T.	.03	T.	2.05
Morgantown	Monongahela.				.10			.20	.45	.25		T.		T.				.10	T.					T.	T.								|||
Mt. Clare	West Fork			.01	.08			.80	.23				.23	.15			.09	.10	T.						.05	.02				.01	T.		1.77
New Cumberland	Ohio			.50	.05			.10	.52	T.		.40	.15					.03							.07					.02			1.84
New Martinsville	do				.25			.22	.41			.25	T.	T.				T.							.18	T.				T.			1.31
Parkersburg[1]‡	do	T.		.06	.04		T.	.28	.45	.01	.06	.13	.02	T.		.02	.01	.01	T.					.15	.02					T.		T.	1.26
Parsons	Cheat	.03		.01	.08			.31	.63	.07		.58	.05	.05			.10	.13	.03						.04	.05				.15			2.31
Philippi[2]	Tygart	.03	T.		T.	.09		T.	.48	.32	T.	.30	.04	.07	T.		.10	.15	T.	T.					.07	.13	T.			T.	.05		1.83
Pickens	do	.04			.08			.47	.40	.15		.43	.25	.10			.27	.30							.40	T.				.20	.03		3.12
Roanoke	West Fork				.27			.40	.40	.08		.47	.02				.13	.04							.08					T.			1.89
Rockford†	do	T.		T.	.10			.47	.55	.14		.42	.05	T.			T.	.24	T.	T.					.15	T.				T.			2.12
Rowlesburg[2]	Cheat	.04			.08	.13		T.	.38	.38		.39	.23	.08	T.		.07	.22	T.	T.						.05	T			T.	.11		2.16
Saint Marys[2]	Ohio		.12			.07			.48	.39			.24				.10	.12								.13							1.65
Salem	West Fork			T.	.02			.50	.35	.18		.20	.08	.02			.08	.03							.02	T.				.02			1.50
Shinnston	do			.02	.01			.10	.20	.08		.10	.04	.06			T.	.10							T.					T.			.71
Terra Alta†	Cheat	T.		T.	.03			.28	.35			.15	.12	.06				.35							.05					.10			1.49
Thomas[2]	do	.15	T.		.04	.20		T	.63	.05		.50	.05	.10	T.		.03	.05	.12							T.	T.			T.	.29		2.21
Valley Chapel	West Fork	T.		T.	.20			.32	.48	.30	T.	.40	.04	.08			.10	.13							.05	T.				T.	.02		2.12
Valley Head[2]	Tygart	.06	T.		.14	.05		T.	.46	.38	T.	.27	.13	.06	.02		.14	.13	T.						.11	.02	T.			T.	.14		2.11
Vandalia†	West Fork		.28		*			*	*			*	1.33					.14							T.					T.			1.75
Wellsburg (near)	Ohio			T.	.47			.20	.27	.22		.19	.03					T.							.07					.06			1.51
West Milford	West Fork				.09			.28	.28	.30		.25	.13	.05			.08	.04							.08	.04					.05		1.67
Weston[2]	do	.06			.06	.10			.63	.40	.05	.46	.09	.12	.03		.12	.18	.02						.04	.10	T.				.05		2.51
Wheeling (Dam 12)[2]	Ohio	T.			.07	T.			.29	.33		.11	.03	.06			T.	.09	.01	T.					.13	.01	T.				.02		1.15
Southern Division																																	
Arbovale[2]	Greenbrier				T.	.03			.40	.22		T.	.30	T.	T.			.08	.04	T.						.10	T.				.04		1.21
Beckley	New	T.		T.	.31			.90	.62	T.		.28		.06			.18	.12	T.					.13	.13	T.				.10			2.83
Bluefield	New				.30	T.		.58	.30			.58		.02			.05								.58	.03	.01		.24	.05	.06		2.80
Camden-on-Gauley[2]	Gauley	.30	T.		.35			.06	.59	.40	T.	.65		T.	T.		.10	.40							.05					T.	T.		2.90
Charleston[2]	Gr. Kanawha																																....
Clay[2]	Elk	.07	T.		.16	.06		.01	.72	.63		.64		T.	.04		.28	.06							.06	.02				T.	.03		2.78
Flat Top[2]	New	T.		.26	.06			.78	.37		.12	.45		T.		.03	.05	.06	T.					.32	.10			.05		.04			2.69
Gary[2]	Big Sandy	T.		.16	.24			.30	.82	.15		.90	T.				.11	.02	T.			.03			.41	.03			.09	.01	T.		3.27
Greenbottom[2]†	Ohio			T.	.10	T.		.51	.39	.09		.34		T	T.	T.	.19	.02							.03						T.		1.67
Hinton[2]	New	.02	T.		.11		T.	.23	.79	.37		.33			.03		.03	.08							.26				.07	T.	T.		2.32
Hogsett[2]	Ohio				.03				.50	.25		.39		T.	.01		.18	.01							.02	T.							1.39
Huntington	do			T.	.25			.27	.55	.04	T.	.33		T.		T	.13	.03						T.	.04					T.			1.64
Institute[2]	Gr. Kanawha	T.		.09	.05			.55	.84	.01	.53	.08		.04		.16	.07	T.						T.	.04					T.			2.46
Kanawha Falls[2]†	do																																....
Kayford[2]	do	.15			.60	.01		.14	.65	.17		.73	T.		.01		.24	.17							.09	.08				T.	.02		3.06
Lewisburg	Greenbrier				.09			.77	.59	T		.24					.08	.02							.34				.07	.01			2.21
Logan[2]	Guyandot	.03	T.	T.	.46	.01		.26	.75	.17		.55	T.		T.		.27	.08							.10	.04				T.	T.		2.72
London Locks[2]†	Gr. Kanawha	T.	T.		.51	T.		.07	.84	.30	.04	.68			.02		.30	.12							.02	.03				T.	T.		2.93
Madison[2]	Coal				.69			*	1.02			.78						.51							.05					.01			3.06
Marlinton	Greenbrier				.43			.52	.15								.18								.21								1.49
Point Pleasant[2]	Ohio				.02	.05		T.	.47	.41		.20			.01		.04	.01							.06								1.27
Princeton[2]	New				.14	T.		.21	.62	.38		.40						.11				.14			.30				.13	T.	T.		2.43
Rainelle	Greenbrier	.04			.30			.56	.53	.02					.04		.20	.13	.01						.18	.04				.10			2.15
Ravenswood[2]	Ohio		.10		.04	.02			.52	.40		.28					.06	.04							.05	.02							1.53

Continued on next page.

ERRATA: January 1941, Huntington, precipitation on 19th should read .05; total should read 2.50.

Daily Precipitation for March 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	....	....	....	.46	.05	....	.06	.40	.48	....	.57	.04	....	.07	....	.39	.18	.04	....	....	....	....	....	.10	.03	....	....	....	.03	.10	....	3.00
Ryan	Gr. Kanawha	....	....	.02	.04	....	....	....	.52	.58	....	.22	....	....	.10	....	....	.15	....	....	....	....	....	....	T.	....	....	....	....	.03	....	....	1.66
Seneca State Forest†	Greenbrier	....	....	....	*	....	....	*	.93	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	.16	....	....	....	....	.15	.03	....	1.27
Spencer [2]	Litl. Kanawha	T.	....	.17	.06	.04	....	T.	.15	.25	....	.63	....	....	..	....	.16	.04	T.	....	....	....	....	....	.05	....	....	....	....	....	T.	T.	1.55
Sutton	Elk	....	....	T.	.20	T.	....	.40	.30	.10	....	.60	T.	T.	T.	....	.25	T.	....	....	....	.10	....	....	....	T.	....	....	....	T.	....	....	1.95
Thornwood [2]	Greenbrier	.06	T.	T.	.17	.06	....	.01	.48	.33	T.	.34	.05	.07	.01	T.	.08	.17	.01	T.	....	....	....	....	.08	.06	T.	T.	T.	.22	T.	....	2.20
Union [2]	New	....	....	....	.15	....	....	.30	.70	.55	....	.85	....	....	....	....	....	.05	....	....	....	....	....	....	.35	....	....	....	.15	....	....	....	3.10
Wayne [2]	Twelvepole	.04	....	....	.25	....	....	.18	.39	.43	....	.47	....	....	....	....	.26	.03	....	....	....	....	....	....	....	.05	....	....	....	.03	....	....	2.13
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	*	....	....	.50	.25	....	....	.90	....	....	....	....	....	.05	....	....	....	....	....	....	.40	....	....	....	.10	....	....	....	2.20
Williamson [2]	Big Sandy	.03	....	....	.35	.01	....	.33	.60	.21	....	.70	....	T.	.01	....	.15	.08	....	....	....	....	....	....	.24	.05	....	....	T.	.35	.01	....	3.12
Winfield Locks [2]†	Gr. Kanawha	.01	....	....	.07	.02	....	T.	.46	.40	....	.32	T.	T.	.06	....	.20	.02	....	....	....	....	....	T.	....	.03	....	....	....	....	....	....	1.59

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement.
T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for March 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	20	48	52	32	30	35	26	26	30	50	38	30	32	38	50	38	10	10	38	50	37	51	58	48	35	45	52	44	27	39	54	37.8
	Minimum	4	−3	10	30	8	10	11	18	18	12	13	25	20	−3	0	15	5	−2	−2	10	30	13	11	19	24	16	16	24	25	10	15	13.0
Beckley	Maximum	21	44	49	51	39	37	37	36	38	45	39	37	39	36	36	39	38	23	39	57	58	56	56	44	44	47	45	44	44	47	56	42.6
	Minimum	7	4	38	20	11	16	28	24	24	14	29	32	22	22	14	31	11	6	16	27	33	21	35	41	29	17	25	32	27	17	27	22.6
Bluefield	Maximum	25	..	55	54	39	45	44	31	..	49	49	43	43	41	49	..	47	25	42	59	62	63	63	.	46	58	55	46	44	..	59	47.7
	Minimum	11	24	..	24	16	23	29	27	..	20	31	31	25	24	21	13	..	9	18	34	37	32	..	42	30	24	31	32	28	22	..	25.3
Brandywine	Maximum	35	50	65	54	40	47	37	35	43	50	47	45	44	50	51	50	43	24	43	58	60	57	65	60	54	57	56	53	44	48	60	49.3
	Minimum	12	4	30	22	6	13	22	19	16	10	31	20	21	10	15	33	14	5	12	24	26	16	18	37	30	16	14	35	18	14	19	18.8
Buckhannon	Maximum	28	40	53	50	33	38	37	35	38	51	50	41	33	40	53	45	40	20	38	55	40	54	65	65	49	50	57	49	42	45	58	44.9
	Minimum	11	4	34	25	7	17	28	29	24	14	33	29	25	18	19	33	11	5	7	28	34	21	24	41	30	19	29	31	29	13	27	22.5
Cairo	Maximum	34	45	56	60	36	39	38	36	39	52	52	48	37	47	52	52	46	25	43	61	63	60	68	65	57	52	54	54	49	48	60	49.3
	Minimum	12	5	34	25	12	14	30	30	25	14	35	32	30	18	16	35	13	9	8	22	31	19	23	40	33	17	20	24	29	10	29	22.4
Charleston [3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Clarksburg [3]	Maximum	31	51	58	40	35	38	37	34	39	50	42	39	39	43	51	44	20	24	41	58	53	55	67	54	43	48	52	48	37	49	58	44.5
	Minimum	5	3	4	36	8	10	15	28	25	11	11	34	28	16	16	22	13	7	7	11	33	23	24	25	32	19	20	22	27	10	11	18.0
Elkins	Maximum	23	43	56	55	34	38	34	37	34	53	49	37	33	38	55	43	28	19	35	56	51	55	66	48	38	49	53	43	35	44	55	43.1
	Minimum	9	−2	43	11	7	15	29	27	22	14	32	29	24	15	18	28	8	3	14	32	29	21	24	34	25	18	27	32	20	10	28	20.9
Fairmont [3]	Maximum	32	49	56	31	39	37	33	32	39	54	46	35	33	47	55	42	17	25	43	59	58	60	68	55	45	48	54	50	36	52	56	44.9
	Minimum	9	5	9	31	15	15	20	27	24	15	17	32	27	18	21	27	10	6	8	16	31	23	26	33	31	20	23	27	31	14	21	20.4
Flat Top	Maximum	21	46	50	44	35	41	35	30	30	44	40	39	31	35	44	37	26	20	37	56	53	58	56	44	38	52	45	41	30	46	57	40.7
	Minimum	5	13	40	13	8	23	25	22	22	9	28	21	19	18	10	25	8	3	14	33	30	25	36	33	24	18	30	28	18	17	25	20.7
Gary [3]	Maximum	30	54	59	41	42	47	36	36	44	58	48	47	39	44	52	46	26	31	46	64	63	67	58	49	47	59	52	51	37	53	65	48.1
	Minimum	15	9	20	41	18	18	22	32	30	20	22	36	23	27	17	18	17	13	14	23	27	25	27	35	35	21	25	31	33	18	26	23.8
Glenville	Maximum	36	48	58	57	42	43	41	42	33	58	51	47	39	48	54	49	46	31	45	68	69	64	71	69	56	55	56	55	49	53	65	51.5
	Minimum	15	10	35	25	7	16	32	30	27	14	37	31	29	21	19	35	14	9	11	28	35	22	25	44	34	19	27	29	34	14	29	24.5
Grafton	Maximum	31	43	54	58	34	37	37	35	39	53	55	45	35	42	53	53	44	23	38	55	60	58	68	69	51	48	56	57	47	47	56	47.8
	Minimum	10	−1	32	24	12	14	28	27	24	11	34	30	26	15	17	33	11	6	5	30	30	19	24	42	29	17	21	26	28	10	25	21.3
Huntington	Maximum	39	54	60	59	42	40	38	36	47	58	55	48	40	51	52	49	47	34	46	67	61	62	60	62	53	55	53	57	51	57	68	51.6
	Minimum	15	16	46	31	16	23	32	32	26	24	39	36	31	26	22	35	16	13	20	28	36	29	33	45	34	24	29	31	36	19	34	28.3
Lewisburg	Maximum	27	47	55	51	39	41	38	31	37	50	47	44	36	42	48	41	40	25	41	62	60	64	61	50	46	57	51	46	42	49	57	46.0
	Minimum	10	14	33	22	11	17	28	27	25	16	34	33	24	19	19	31	13	7	17	28	33	24	29	39	30	20	28	35	26	17	26	23.7
Logan [3]	Maximum	[illegible]	55	58	38	47	43	39	35	47	60	51	52	42	50	52	47	29	35	50	69	64	69	67	54	53	58	51	55	38	60	68	50.7
	Minimum	17	15	15	38	20	20	21	33	32	25	27	39	28	30	20	25	18	16	16	24	31	27	38	38	35	25	26	30	32	24	24	26.1
Madison [3]	Maximum	..	55	60	37	45	..	43	37	45	60	55	48	39	49	54	47	25	30	47	67	63	67	66	54	51	62	52	54	41	58	67	51.0
	Minimum	15	..	25	36	16	20	..	25	29	21	28	30	29	29	19	25	16	13	15	26	31	23	28	40	34	22	26	29	35	17	30	25.2
Mannington	Maximum	31	39	55	58	34	37	35	32	39	48	43	41	34	42	50	42	43	23	38	56	52	54	64	57	52	47	51	48	43	46	55	44.8
	Minimum	0	0	31	25	15	14	29	28	24	6	34	32	27	13	15	34	11	7	3	30	27	17	20	41	31	16	18	23	27	9	23	20.3
Marlinton	Maximum	32	51	64	66	44	48	46	36	36	55	61	62	47	45	52	47	50	30	50	63	59	63	61	63	62	63	63	62	39	54	63	52.8
	Minimum	10	8	26	20	9	14	27	27	24	5	32	28	27	18	14	31	11	4	14	22	26	18	21	37	25	12	21	35	23	16	22	20.3
Martinsburg [3]	Maximum	36	48	66	48	41	43	35	35	42	52	45	44	39	46	55	56	28	29	43	56	57	58	61	60	45	54	56	56	43	46	66	48.0
	Minimum	18	20	25	45	19	21	26	24	27	22	26	34	28	20	26	28	20	12	13	24	37	30	25	36	37	28	32	36	34	21	26	26.5
Morgantown	Maximum	30	37	54	54	31	33	33	31	37	54	49	39	33	41	40	41	41	19	36	55	58	54	65	52	49	47	51	48	39	44	55	43.5
	Minimum	5	8	25	23	15	17	28	25	22	20	33	30	25	15	21	33	10	6	12	31	30	20	31	35	30	20	25	26	24	12	31	22.2
New Cumberland	Maximum	32	44	54	54	35	34	34	34	38	49	44	39	39	43	46	45	43	25	40	50	47	51	65	58	58	44	51	48	41	49	59	44.9
	Minimum	12	11	32	19	20	20	21	26	25	14	35	31	25	17	22	35	9	9	12	32	27	22	25	40	30	23	24	29	27	14	23	23.0
New Martinsville	Maximum	35	45	57	58	39	38	35	35	41	55	45	41	35	49	51	45	45	28	45	60	55	58	67	57	50	47	53	49	42	55	60	47.6
	Minimum	9	9	34	29	16	16	28	27	25	15	34	32	28	18	19	36	12	8	9	31	31	23	24	41	32	24	27	27	28	15	30	23.8
Parkersburg	Maximum	32	50	58	53	39	36	34	32	42	51	46	42	35	45	51	47	24	28	41	60	53	57	64	57	44	46	51	47	38	53	60	45.7
	Minimum	12	12	49	20	15	21	29	28	25	21	36	30	28	24	23	24	11	10	17	32	33	28	33	38	31	24	27	30	24	17	38	25.5
Pickens	Maximum	20	42	48	42	34	40	37	35	33	47	45	38	25	38	50	44	37	32	35	54	52	57	65	57	39	50	50	44	37	47	45	42.5
	Minimum	1	−4	35	27	−4	9	9	20	15	10	26	25	20	8	11	28	−3	−4	0	19	26	17	30	35	9	20	18	27	17	−1	23	15.1
Point Pleasant	Maximum	39	50	57	57	40	40	38	34	45	51	51	46	38	48	48	48	48	33	43	69	62	69	60	55	55	52	53	52	50	55	64	50.0
	Minimum	11	12	44	29	10	19	30	30	17	15	38	35	30	20	18	35	14	10	13	23	34	22	24	43	32	18	23	26	33	12	28	24.1
Rainelle	Maximum	29	50	53	55	39	43	43	34	37	49	50	43	40	42	51	42	42	28	40	61	60	65	64	50	48	55	52	50	43	58	63	47.7
	Minimum	8	−3	28	20	8	13	27	28	23	5	32	32	25	23	11	32	11	5	15	21	27	18	27	38	27	16	21	30	23	13	22	20.2
Ravenswood	Maximum	36	50	58	63	40	43	42	37	41	53	52	49	40	48	50	47	50	32	42	65	63	62	64	60	60	53	53	52	49	54	63	50.7
	Minimum	14	11	41	24	9	19	30	29	25	19	36	35	30	22	20	35	14	11	13	21	35	26	26	41	31	20	23	28	33	19	31	24.9
Richwood [3]	Maximum	25	47	47	52	46	38	35	35	33	50	39	38	32	43	52	42	24	22	39	48	57	61	62	48	41	53	52	45	32	46	60	43.4
	Minimum	10	2	9	34	12	13	18	30	24	12	14	32	28	22	18	18	12	5	5	15	27	22	23	41	30	19	23	27	28	12	12	19.3
Romney	Maximum	40	55	65	60	38	42	40	32	40	55	50	42	36	42	55	52	48	22	60	60	57	60	63	62	54	54	55	56	54	52	63	50.5
	Minimum	21	30	45	28	18	22	25	23	27	16	35	32	27	15	22	20	16	10	20	45	35	21	22	45	21	23	26	16	29	21	25	25.2
Spencer [3]	Maximum	35	51	59	34	38	41	35	37	41	55	46	40	37	47	51	40	26	29	43	65	58	60	68	57	47	56	53	49	42	54	63	47.0
	Minimum	14	9	41	33	8	13	31	29	25	17	37	34	29	22	18	26	13	9	12	25	35	26	34	44	33	19	24	29	33	13	30	24.7
Sutton	Maximum	32	48	48	38	40	43	43	37	40	56	56	45	40	46	53	53	45	28	42	63	63	61	69	69	51	55	55	53	47	52	69	49.7
	Minimum	14	6	34	26	8	15	30	31	27	15	35	35	29	21	17	35	13	9	10	26	38	23	25	38	34	19	24	33	31	14	28	24.0
Wardensville [3]	Maximum	32	50	64	42	40	41	27	33	41	54	45	40	35	40	53	51	23	27	41	58	55	57	63	58	42	56	55	54	41	46	61	46.0
	Minimum	15	16	24	41	15	15	24	23	21	14	27	30	26	10	17	22	17	9	13	24	26	18	19	36	34	19	26	35	24	19	21	21.9
Weston	Maximum	31	45	53	50	35	40	39	35	40	52	51	41	35	45	48	46	44	25	41	58	57	59	64	63	48	52	54	52	48	50	60	47.1
	Minimum	12	6	44	27	8	17	29	30	26	15	40	33	28	19	20	38	15	8	9	33	39	28	28	43	33	21	30	32	33	17	29	25.5
Wheeling [3]	Maximum	32	49	57	29	37	35	36	34	39	50	40	40	37	45	47	43	16	24	39	52	50	51	66	55	38	44	55	48	34	49	58	42.9
	Minimum	10	11	13	28	19	20	20	27	24	15	16	33	27	19	22	27	11	10	11	17	30	23	25	28	32	26	25	26	33	17	20	21.5
Williamson [3]	Maximum	37	53	60	38	45	45	40	36	50	61	51	52	42	50	50	47	30	37	53	69	65	69	65	54	53	60	50	57	40	58	67	51.1
	Minimum	12	16	18	37	22	22	26	30	32	26	28	38	28	31	23	25	19	12	13	22	31	28	28	38	36	26	28	33	33	24	31	26.3

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[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 4 29-41—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., APRIL 1941 No. 4

GENERAL SUMMARY

The month was the second warmest April of record. The period 8–20th, inclusive, was exceptionally warm. The period 22d–27th, inclusive, was slightly below normal in temperature. All stations were above normal in temperature for the month. Frosts in the last decade caused no appreciable damage.

For the five months, December 1940 to April 1941, inclusive, the State had only 58 percent of normal precipitation, the least of record for this period. It was the fifth driest April of record. Hinton was the only station whose precipitation was above normal for the month. The near-drought conditions accentuated the forest fire hazard, which finally climaxed in 150 fires by the 21st. One fire-fighter lost his life near the Braxton County game refuge. Several thousand acres of timber, several homes, and a school were destroyed. These fires were brought under control with the aid of the showers of the 23d and 24th. For the third time since the beginning of the record the average snowfall for April was only a trace. Only one station, Spruce Knob, with two inches, had a measurable amount of snow during the month.

It was a good month for ground preparation and planting. However, lack of adequate precipitation retarded germination of seeds and the growth of vegetation. Fruit trees bloomed heavily during the month. Farm work was kept up to date. It was a very favorable month for outdoor construction work.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 61 stations, was 56.0°, or 4.2° above the normal. The mean for the northeastern panhandle division was 55.1°; for the northern division, 56.0°; and for the southern division, 56.3°. The highest monthly mean was 60.9° at Huntington and the lowest, 47.8° at Alpena. The highest temperature was 96° at Madison and Martinsburg on the 20th and the lowest, 15° at Pickens on the 2d. The greatest daily range was 61° at Brownsville on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 121 stations, was 2.17 inches, or 1.38 inches below the normal. In the northeastern panhandle division the average was 2.09 inches; in the northern division, 2.10 inches; and in the southern division, 2.31 inches. The greatest monthly precipitation was 4.12 inches at Pickens and the least, 0.37 inch at Shinnston. The greatest amount in any 24 consecutive hours was 1.90 inches at Inwood on the 5th. The average snowfall was Trace, or 1.7 inches below the normal. The greatest monthly snowfall was 2.0 inches at Spruce Knob. The average number of days with .01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	2	7	2	..	1	6	20	3	1	2	19	6	4	2	1	1	1	5	1	..	..	4	2	8	5	7	2	4	2	1	..
Gales	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	..	..	..	..	13	8	1	..	..	..	..	..	1	..	..	..
Hail	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	1	1	..	..	..	..	..	1	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	2	..	..	..	2	12	3	1	..	..	..	3	4	4	2	1	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.07	30.46	26	29.60	5	7.6	30	sw.	20	75	51	79	71
Columbus, Ohio	30.07	30.45	22	29.59	5	8.7	44	sw.	20	79	45	55	73
Elkins	30.11	30.46	29	29.56	5	5.3	26	sw.	20	84	44	57	60
Huntington Airp't	30.07	30.42	22	29.58	5	......	25	sw.	20	82	43	51	....
Parkersburg	30.07	30.44	22	29.58	5	6.1	28	nw.	21	76	40	47	70
Pittsburgh, Pa	30.08	30.45	22	29.60	5	9.8	42	nw.	21	66	35	45	66

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	......	......	1.64	3.08	2.50	2.81	......	......	......	......	......
1892	50.6	87	17	3.16	4.31	4.83	4.28	......	7	......	......	......
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	......	9	11	9	10
1896	57.7	95	12	1.56	2.20	2.06	2.06	......	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	......	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	......	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	1.35	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	7.05	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	45.6	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	101	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	101	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
Period	51.8	101	−4	3.12	3.73	3.48	3.55	1.7	11	11	8	11

Climatological Data for April 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	48.6	+4.9	88	20	18	3	53	1.57	−2.27	1.02	0.0	6	21	5	4	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	54.4	+4.5	91	20	20	3	49	2.27	−.40	.97	.0	7	22	0	8	s.	E. L. Keister
Harpers Ferry	Jefferson	400	52	...	...	...	...	...	...	...	2.55	−.70	1.08	.0	5	...	...	...	...	Miss Eleanor White
Inwood	Berkeley	569	9	57.6	...	95	20	30	3	44	2.66	...	1.90	.0	5	15	8	7	e.	H. W. Prettyman
Kearneysville	Jefferson	548	11	57.3	+6.0	92	20	30	3	43	2.57	−.71	1.80	.0	5	17	9	4	n.	University Exper. Station
Martinsburg	Berkeley	435	49	59.0	+7.4	96	20	30	2	43	2.85	−.26	1.50	.0	6	24	5	1	se.	Dr. H. S. Gardner
McNeill	Hardy	800	45	53.4	+1.6	95	20	17	3	57	1.61	−1.35	.92	.0	7	16	7	7	w.	R. E. Saville
Piedmont	Mineral	1,053	28	55.6	+5.2	93	20	27	3	42	1.71	−1.30	1.49	.0	4	12	11	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	43	[a]55.2	+3.5	89	17	...	...	...	2.74	−.23	1.14	.0	5	21	5	4	...	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	...	...	...	...	...	...	...	3.04	...	.68	2.0	7	...	...	...	...	Moses R. Bennett
Stony River Dam	Grant	3,300	21	...	...	...	...	...	...	...	1.60	−2.15	.95	.0	3	7	8	15	w.	A. C. Becker
Wardensville	Hardy	1,200	20	53.9	+4.3	91	20	23	3	49	1.96	−.55	1.30	.0	5	17	6	7	ne.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	...	...	...	...	...	...	...	2.52	−1.28	1.51	.0	8	9	15	6	...	L. Esle Bond
Alma (near)	Tyler	800	14	...	...	...	...	...	...	...	1.16	−2.21	.48	.0	6	16	7	7	...	H. W. & T. J. Furbee
Alpena	Randolph	2,571	10	47.8	+2.3	75	14	19	4	45	3.48	−.92	1.00	.0	11	13	10	7	...	Christian Hertig
Benson	Harrison	1,080	17	56.0	+3.4	90	19	22	3	53	2.11	−1.10	.67	.0	9	11	15	4	...	R. D. Marts
Bens Run	Pleasants	652	39	55.0	+2.2	81	20	30	3	29	1.26	−2.30	.42	.0	9	26	1	3	...	Mrs. C. W. Rea
Brownsville	Lewis	1,032	18	57.7	+5.4	91	§19	22	3	61	1.12	−2.24	.55	.0	6	21	4	5	...	M. D. Hawkins
Buckhannon	Upshur	1,411	44	55.2	+4.1	89	20	24	3	44	2.78	−1.11	1.62	.0	7	18	6	6	...	H. A. Darnall
Cairo	Ritchie	680	40	57.2	+3.2	90	§19	21	3	50	1.38	−2.08	.55	.0	8	19	6	5	...	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	55.5	+4.3	90	19	25	3	46	2.73	−.64	1.00	.0	5	18	5	7	...	Clarksburg Water Board
Crawford	Lewis	1,107	18	...	...	...	...	...	...	...	3.11	−1.12	1.21	.0	9	17	6	7	sw.	George W. Blair
Creston	Wirt	640	39	57.6	+4.2	91	19	23	3	50	2.29	−1.37	.90	.0	9	11	12	7	...	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	...	...	...	...	...	...	...	1.58	−1.89	.88	.0	6	...	...	...	...	Lockmaster
Dam 13 O. R	Marshall	655	25	...	...	...	...	...	...	...	.85	−2.47	.38	.0	6	...	...	...	...	Lockmaster
Dam 15 Mon. R	Marion	882	20	...	...	...	...	...	...	...	1.69	−1.60	1.00	.0	4	...	...	...	...	Lockmaster
Dam 19 O. R	Wood	600	25	...	...	...	...	...	...	...	1.84	−1.34	.65	.0	9	...	...	...	...	Lockmaster
Dam 20 O. R	Wood	600	25	...	...	...	...	...	...	...	1.52	−1.72	.50	.0	9	...	...	...	...	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	...	...	...	...	...	...	...	1.38	−1.79	.60	.0	7	...	...	...	...	Lockmaster
Elkins	Randolph	1,927	40	54.0	+5.2	88	20	23	3	48	2.43	−1.19	.98	.0	10	6	13	11	nw.	U. S. Weather Bureau
Fairmont	Marion	883	35	58.1	+6.3	92	19	29	3	50	1.70	−1.57	1.07	.0	4	19	4	7	w.	J. C. Robinson
Glenville	Gilmer	738	47	59.5	+5.6	92	19	24	3	52	2.21	−1.55	.91	.0	5	5	16	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	56.8	+5.3	92	§20	23	3	51	2.35	−.94	1.58	.0	5	22	1	7	...	L. W. Clayton
Hastings	Wetzel	809	6	...	...	...	...	...	...	...	1.45	...	.54	.0	9	17	5	8	w.	L. G. McIntyre
Horner	Lewis	1,044	18	...	...	...	...	...	...	...	2.39	−.97	1.40	.0	8	...	...	...	...	Foster R. Hardman
Jane Lew	Lewis	1,020	18	...	...	...	...	...	...	...	2.49	−1.16	1.18	.0	9	...	...	...	...	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	55.9	+5.3	89	19	23	3	50	2.89	−.53	1.06	.0	8	9	16	5	w.	Chas. H. Washburn
Mannington	Marion	974	38	54.2	+3.1	88	20	21	3	48	3.26	−.44	1.42	.0	9	16	5	9	w.	James A. Morgan
Morgantown	Monongalia	1,300	48	57.4	+5.7	89	20	26	3	43	2.05	−1.10	.85	.0	7	21	4	5	sw.	Bruce Davis
New Cumberland	Hancock	671	43	56.2	+7.0	88	19	25	3	45	.69	−2.59	.38	.0	7	14	4	12	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	58.6	+5.5	93	19	27	3	53	1.02	−2.48	.42	.0	7	19	7	4	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	59.2	+5.8	89	19	33	3	39	1.70	−1.49	.56	.0	8	14	10	6	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	54.4	...	89	20	22	3	51	1.96	...	.82	.0	8	12	12	6	nw.	D. A. Oliver
Philippi	Barbour	1,300	44	...	...	...	...	...	...	...	2.25	−1.47	1.22	.0	6	...	...	...	...	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	51.2	+3.1	86	20	15	2	48	4.12	−1.07	1.33	.0	11	17	4	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	...	...	...	...	...	...	...	2.94	−.64	1.27	.0	9	20	2	8	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	...	...	...	...	...	...	...	2.18	−2.01	1.43	.0	6	...	...	...	...	W. H. Bolyard
Saint Marys	Pleasants	625	33	...	...	...	...	...	...	...	1.37	−2.05	.58	.0	7	...	...	...	...	Edward Hughes
Terra Alta	Preston	2,559	40	52.4	+5.6	85	14	23	3	48	1.77	−2.33	1.05	.0	4	18	7	5	w.	Earl Lee
Thomas	Tucker	3,000	12	...	...	...	...	...	...	...	1.96	−2.22	.97	T.	5	...	...	...	...	W. Sleeman
Valley Chapel	Lewis	1,011	18	58.1	+5.0	95	20	24	3	50	2.12	−1.29	.78	.0	9	19	6	5	w.	S. A. Spence
Vandalia	Lewis	1,120	18	...	...	...	...	...	...	...	2.67	−1.03	.97	.0	7	...	...	...	...	James B. Kelley
Wellsburg (near)	Brooke	668	34	54.2	+4.6	90	19	20	3	54	.69	−2.47	.33	.0	5	17	7	6	...	George P. Pfister
West Milford	Harrison	979	16	...	...	...	...	...	...	...	2.51	−1.31	.95	.0	7	...	...	...	...	Scotland G. Highland
Weston	Lewis	1,026	46	58.7	+5.9	92	§19	29	3	47	2.50	−1.01	1.22	.0	7	15	9	6	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	56.4	+4.8	87	19	28	3	43	.75	−2.48	.34	.0	3	18	6	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	...	...	...	...	...	...	...	2.24	−.98	.86	.0	10	15	8	7	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	54.8	+4.6	84	19	25	3	42	2.90	−.58	.85	T.	11	11	13	6	...	L. A. Mauck
Bluefield	Mercer	2,558	46	[d]56.4	+2.8	82	20	30	3	...	2.12	−.99	.71	.0	9	13	10	7	...	Norfolk & Western Ry.
Charleston	Kanawha	602	38	60.0	+3.7	91	19	30	2	42	1.33	−2.54	.69	.0	7	...	...	...	...	Charleston Daily Mail
Clay	Clay	790	25	...	...	...	...	...	...	...	2.48	−.96	.92	.0	9	...	...	...	...	L. E. Woofter
Flat Top	Mercer	3,270	3	51.8	...	78	§19	29	3	41	2.60	...	1.12	.0	11	6	16	8	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	56.2	+2.8	88	19	26	3	44	2.74	−.75	.91	.0	10	...	...	...	...	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	59.6	...	89	§18	30	3	42	1.94	...	.65	.0	10	11	11	8	sw.	State Forest Nursery
Hinton	Summers	1,431	44	59.4	+6.2	90	§13	26	3	51	3.42	+.22	1.63	.0	9	...	...	...	...	Mrs. M. L. McClung
Hogsett	Mason	564	25	...	...	...	...	...	...	...	1.70	−1.57	.72	.0	8	...	...	...	...	Lockmaster
Huntington	Cabell	571	44	60.9	+6.3	90	19	30	3	44	1.85	−1.66	.64	.0	7	10	10	10	sw.	H. N. Robinson
Institute	Kanawha	606	3	57.6	...	91	19	25	3	46	1.75	...	.73	.0	8	...	...	...	...	Civil Aero. Administration
Kanawha Falls	Fayette	618	22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miss Loula M. Brown
Kayford	Kanawha	1,335	25	...	...	...	...	...	...	...	2.17	−1.89	.77	.0	9	...	...	...	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	55.6	+5.1	84	19	25	3	39	2.34	−.98	.81	.0	8	14	7	9	...	J. K. Monroe
Logan	Logan	700	38	59.3	+2.0	92	19	30	3	46	2.55	−1.60	1.27	.0	8	12	7	11	...	Paul A. Simonds
London Locks	Kanawha	623	5	58.0	...	90	19	29	3	43	1.99	...	.76	.0	11	8	12	10	w.	Lockmaster
Madison	Boone	675	20	[a]57.2	+2.9	96	20	26	3	55	2.24	−1.60	1.01	.0	9	21	4	5	...	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	55.6	+8.8	89	20	21	3	53	1.98	−1.64	.70	.0	11	4	12	14	s.	Edward A. Moore
Point Pleasant	Mason	595	42	57.6	+2.7	91	19	25	3	46	1.79	−1.52	.55	.0	10	13	10	7	s.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	53.4	+5.2	85	§28	19	3	54	3.33	−.86	1.26	.0	12	13	5	12	...	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	58.4	+4.6	89	§19	26	3	50	1.49	−1.67	.54	.0	9	12	8	9	nw.	Lockmaster
Richwood	Nicholas	2,193	11	53.6	+3.7	85	§19	25	3	44	3.09	−.75	1.14	.0	11	7	13	10	se.	Cherry River Paper Co.
Ryan	Roane	700	38	54.8	+2.8	85	§18	22	3	51	1.95	−1.83	.54	.0	8	17	7	6	...	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	51.4	...	94	20	16	3	53	2.34	...	.83	.0	10	12	14	4	e.	Supt., State Forest
Spencer	Roane	789	37	57.3	+4.5	91	19	25	3	47	1.60	−1.79	.77	.0	9	11	11	8	...	A. M. McKown
Sutton	Braxton	850	35	58.6	+5.8	93	§19	23	3	52	2.75	−1.10	1.00	.0	8	...	...	...	...	C. B. Eakle
Union	Monroe	2,200	37	54.4	+2.6	87	19	22	3	49	2.21	−.68	.65	.0	8	13	0	17	...	C. B. King
Wayne	Wayne	598	14	...	...	...	...	...	...	...	1.64	−2.02	.69	.0	8	...	...	...	...	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	56.2	+4.8	88	20	28	3	43	2.85	−.43	.70	.0	8	20	4	6	...	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	60.6	+5.1	93	19	35	3	42	2.68	−1.00	1.65	.0	9	18	5	7	nw.	J. E. Dotson
Winfield Locks	Putnam	571	3	58.2	...	89	19	27	3	41	1.73	...	.90	.0	7	15	5	10	se.	Lockmaster
State averages and	extremes	...	...	**56.0**	**+4.2**	**96**	**20**	**15**	**2**	**61**	**2.17**	**−1.38**	**1.90**	**T.**	**7**	**15**	**8**	**7**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates. |||| Incomplete.

Daily Precipitation for April 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		T.	.02		1.02	.10	.02													.03	T.			.38								1.57
Brandywine	do	.30			.10	.97					.50														.30	.08	.02						2.27
Brushy Run [2]	do		.29			.94	.12	.02												.07					.24								1.68
Harpers Ferry [2]	do		.52			1.08	.49	.04																	.42								2.55
Inwood	do	.33				1.90	.03											.07							.33								2.66
Kearneysville	do	.13	.29			1.80	.02																	T.	.33								2.57
Knobly Mountain [2]†	do		T.			1.20	.08						T.					T.			T.				.24								1.52
Martinsburg [2]	do		.38			1.50	.55	.05										.05							.32								2.85
McNeill	do	.20	.06	T.	.92	.04				.04						T.		T.	T.				.12	.23									1.61
Petersburg	do	.23	.05			.95	.07	.01										.02	.17					.04	.29								1.83
Piedmont	do				T.	1.49													.02	.02	T.			T.	.18		T.						1.71
Romney	do					1.14												.30		.80				.30	.20								2.74
Spruce Knob [2]†	do		.48			.68	.46	.27				.59	.22					T.		T.					.34		T.						3.04
Stony River Dam [2]†	do		.30			.95																			.35								1.60
Wardensville [2]	do		.31			1.25	.05											.04		T.					.31								1.96
Northern Division																																	
Aberdeen†	West Fork	.14	.02		.07	1.44	.24	T.				.03						T.				T.		.12	.46								2.52
Alma (near)	Ohio				.48	.16	.01		.01															.35	.15								1.16
Alpena	Cheat	.34	.11		.06	1.00	.68	.02			.40	T.								.40		.04		.22	.21								3.48
Belington [2]	Tygart		.28	T.		1.18	.30	.07			.02	T.						T.	T.	T.	T.	T.			.38		T.						2.23
Benson †	West Fork	.02			.15	.67	.10					.45						.02				.02		.15	.53								2.11
Bens Run	Ohio				.25	.05	.08											.19	.02	.05	.04			.42	.16								1.26
Big Skin Creek†	West Fork	.14	T.		.55	.99	.14				.04								.03	.04				.37	.26								2.56
Brownsville †	do	.17			.10	.10	.10																	.10	.55								1.12
Buckhannon	Tygart	.30			.10	1.62	.20				.08					T.		T.						.24	.24								2.78
Cairo	Litl.Kanawha				.15	.15	.12					.32						.05				.02		.02	.55								1.38
Clarksburg [2]	West Fork		.03			1.00	.24					.91						T.							.55								2.73
Crawford	do	.32			.42	1.21	.35				.20	.01						.03						.31	.26								3.11
Creston [2]	Litl.Kanawha		.20		.05	.25	.05					.90						.10	.01			.03			.70								2.29
Dailey [2]†	Tygart		.45			.54	.22	.09			T.	.26							.02	T.	T.	T.			.45		.02						2.05
Dam 10, Mon. R. [2]†	Monongahela					.88	.11	T.				.03						.01				.01			.54								1.58
Dam 13, O. R. [2]†	Ohio					.33	T.	.01				.01						.05				.07			.38								.85
Dam 15, Mon. R. [2]†	Monongahela					1.00	.07	.02										T.							.60								1.69
Dam 19, O. R. [2]†	Ohio	T.	.02		.08	.30	.11					.65						.06	.07	T.		.02			.53								1.84
Dam 20, O. R. [2]†	do		T.		.14	.20	.05	.02				.32						.12	.10			.07			.50								1.52
Elizabeth (Dam 3) [2]	Litl.Kanawha		.10		.08		.04				T.	.47						.06		T.		.03			.60								1.38
Elk †	West Fork		.20			1.13																		.30	.24								1.87
Elkins [1] ‡	Tygart	.42	T.		.58	.52	.35			T.	.07	T.					T.	T.	.02	.01	.06			.32	.08	T.							2.43
Fairmont [2]	Monongahela		.03			.99	.08					T.						T.	T.						.60								1.70
Glenville [2]	Litl.Kanawha		.09		T.	.91	.03					.38						T.				T.			.80								2.21
Grafton	Tygart		.07			1.58	.13															.07			.50								2.35
Hackers Creek †	West Fork	.05			.10	.88	.16					.41												.05	.59	.07							2.31
Hall [2]	Tygart		.22	T.		1.34	.13	T.			T.	T.						T.	T.						.51								2.20
Harrison Co. Airport [2]	West Fork		.03			1.16	.20	.01				T.						T.							.50								1.90
Hastings	Ohio				.13	.54	.07	T.				.05					.03	.02				.05		.06	.50								1.45
Horner	West Fork	.20			.06	1.40						.03					.02					.05		.14	.49								2.39
Ireland	do	.03			.04	1.88	.37				.46													.63									3.41
Jane Lew	do	.13			.07	1.11	.18					.30										.05		.11	.53	.01							2.49
Kumbrabow St. For.†	[2] Tygart	.43			.56	.12	.51			.06	.19	.06							T.	.05	.04			.20	.23								2.45
Lost Creek (near)	West Fork	.02			.33	.73	.90				.18	.13						T.	T.					.30	.30	T.							2.89
Mannington	Monongahela				.35	.71	.04				1.31	.11						.04				.02		.39	.29								3.26
Midvale [2]†	Tygart		.42			1.20	.52	.09			.02	T.													.57								2.82
Morgantown	Monongahela				.35	.85	.10					T.					T.	.05			T.	.05		.33	.32								2.05
Mt. Clare	West Fork	.11			.27	.94	.16				.77	.04					T.				.03			.31	.28								2.91
New Cumberland	Ohio				.30	.08											.04		.01		.09	.02		.15									.69
New Martinsville	do				.30	.04					.04							.05			.04			.42	.13								1.02
Parkersburg [1] ‡	do	T.			.36	.05	.04			T.	.56						.06	T.	.16		.04			.43									1.70
Parsons	Cheat	.30	.10		.03	.82	.32					T.								.05		T.		.08	.26	T.							1.96
Philippi [2]	Tygart		.14	T.		1.22	.36	.04				T.										.03			.46								2.25
Pickens	do	.67			.54	.79	.74			.07	.50								.12		.12			.37	.17	.03							4.12
Roanoke	West Fork	.27			.15	1.12	.15				.11	.41						T.	T.			.03		.40	.30								2.94
Rockford †	do	.12	T.		.30	1.02	.17				.41	.02				T.	T.	T.				.07		.36	.30	T.							2.77
Rowlesburg [2]	Cheat		.08			1.43	.20	.08											T.		.03				.36								2.18
Saint Marys [2]	Ohio					.05	.25	.13				.25						.08	.03						.58								1.37
Salem	West Fork	T.			.37	.46	.28				.10	.20						T.				T.		.28	.26								1.95
Shinnston	do	.01	T.													T.								.31	.05								.37
Terra Alta†	Cheat				T.	1.05	.25																	.07	.40								1.77
Thomas [2]	do		.32	T.		.97	.28	T.														.06			.33								1.96
Valley Chapel	West Fork	.15			.18	.78	.13	.01				.32										.05		.15	.35								2.12
Valley Head [2]	Tygart		.56			.56	.40	.01				.15	.01						T.	.01		T.			.26		.06						2.02
Vandalia †	West Fork	.19			.66	.97	.19				.06													.32	.28								2.67
Wellsburg (near)	Ohio				.33	.05	.07										T.	T.			.10	T.		.14									.69
West Milford	West Fork		.04		.12	.95	.20					.58												.20	.42								2.51
Weston [2]	do		.14			1.22	.18	.02			T.	.14							T.			.06			.74		T.						2.50
Wheeling (Dam 12) [2]	Ohio					.34												.08							.33								.75
Southern Division																																	
Arbovale [2]	Greenbrier		.43			.05	.86	.12				.06	.13							.10			.05		.32		.12						2.24
Beckley	New	.12			.85	.43	.04				.09							T.	.37		T.	.03		.13	.65	.16	.03						2.90
Bluefield	New	.15			.38	.46	.09				.01	.05												.09	.71	.18							2.12
Camden-on-Gauley [2]	Gauley		.32			1.20	.47	.06				.65													.41		.17						3.28
Charleston [2]	Gr. Kanawha		.15		.14	.12	.13												.08			.02			.69	T.							1.33
Clay [2]	Elk		.08		.03	.63	.92	.05										.01	.04			.03			.69								2.48
Flat Top [2]	New	.12	.03		1.12	.11	.01				.05							.28			.11			.32	.29	.16							2.60
Gary [2]	Big Sandy	.03	.26		.11	.91	.26												.05			.04		T.	.61	.31	.16						2.74
Greenbottom [2]†	Ohio	.54	.01		.28	.03	.04			.01	T.							.19			.06			.65	.13								1.94
Hinton [2]	New		.28		T.	1.63	.08					.29							.42			.02			.37	.21	.12						3.42
Hogsett [2]	Ohio	T.	.50		.08	.15	.06	T.				T.						.11	.06			.02			.72								1.70
Huntington	do	.52			.45	.03				T.	T.							.15	.02		.04			.64									1.85
Institute [2]	Gr. Kanawha	.15		.06	.32	.02	.05				T.						T.	.42			T.			.70	.03	T							1.75
Kanawha Falls [2]†	do																																
Kayford [2]	do	.14			T.	.40	.40	.09										.06	.17						.77	.01	.13						2.17
Lewisburg	Greenbrier	.36			.31	.81	.02																	.08	.49	.23	.04						2.34
Logan [2]	Guyandot	.01	.41		T.	.44	T.											.03	.36			.02		T.	1.27	.01	T.						2.55
London Locks [2]†	Gr. Kanawha		.03		.08	.62	.15	.04				.05						T.	.18			.03			.74	.02	.05						1.99
Madison [2]	Coal	.06	.40		.06	.34	.04					.01						.29							1.01		.03						2.24
Marlinton	Greenbrier				.24	.70	.05				.03	.14							.04	.17				.05	.43	.08	.05						1.98
Point Pleasant [2]	Ohio	.01	.27		.25	.25	.08				.08							.20	.06			.04			.55								1.79
Princeton [2]	New		.19			1.35	.14												T.			T.		T.	.34	.30	.17	T.					2.49
Rainelle	Greenbrier	.20	.03		.35	1.26	.19				.24							.06	.02					.13	.55	.19	.11						3.33
Ravenswood [2]	Ohio		.04		.12	.38	.03				T.	.20						.12	.02	.04		T.			.54								1.49

Continued on next page.

Daily Precipitation for April 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood 2	Gauley	....	.35	....	....	1.14	.58	.14	....	....	....	.02	....	....	....	....	....	....	.08	.06	....	.09	....	....	.38	.04	.21	....	....	....	....	....	3.09
Ryau	Gr. Kanawha	.20	....	....	.31	.31	.21	....	....	....	.34	....	....	....	....	....	....	.02	....	....	.02	....	....	.54	....	....	....	....	....	....	....	....	1.95
Seneca State Forest†	Greenbrier	.50	....	....	....	.83	.16	....	....	....	....	.10	....	....	....	....	....	....	.17	....	.10	....	....	.02	.35	*	.11	....	....	....	....	....	2.34
Spencer 2	Litl.Kanawha	....	.31	....	.10	.23	.06	T.	....	....	.02	.03	....	....	....	....	....	.05	....	T.	....	.03	....	....	.77	....	....	....	....	....	....	....	1.60
Sutton	Elk	....	....	....	.10	1.00	.50	....	....	.20	.10	....	....	....	....	....	....	....	....	....	....	.05	....	....	.72	....	.08	....	....	....	....	....	2.75
Thornwood 2	Greenbrier	.36	.15	....	.04	.80	.30	T.	....	....	.37	.01	....	....	....	....	....	....	T.	....	....	....	....	....	....	T.	.09	....	....	....	....	....	2.12
Union 2	New	....	.30	....	....	.65	.10	....	....	....	....	....	....	....	....	....	....	....	.10	....	.05	....	....	....	.45	.35	.21	....	....	....	....	....	2.21
Wayne 2	Twelvepole	.05	.26	....	.15	.37	.02	....	....	....	....	....	....	....	....	....	....	.03	....	....	....	.07	....	T.	.69	....	....	....	....	....	....	....	1.64
White Sulp'r Spgs. 2	Greenbrier	....	.50	....	....	.70	.45	....	....	....	....	.10	....	....	....	....	....	....	.10	....	....	....	....	....	.40	.30	.30	....	....	....	....	....	2.85
Williamson 2	Big Sandy	T.	.26	....	T.	.56	.12	....	....	....	....	....	....	....	....	....	....	.01	.03	....	....	.02	....	....	1.63	.02	.03	....	....	....	....	....	2.68
Winfield Locks 2†	Gr. Kanawha	....	.13	....	.23	.27	.17	T.	....	....	....	....	....	....	....	....	....	.01	.02	....	....	T.	....	....	.90	....	....	....	....	....	....	....	1.73

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for April 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard 3	Maximum	50	50	60	51	50	43	62	65	70	65	70	75	79	78	78	79	70	80	80	88	62	60	63	50	60	60	61	70	78	78	....	66.2
	Minimum	28	29	18	20	34	35	30	20	20	22	32	30	30	35	50	46	46	40	42	43	40	30	32	33	20	22	25	23	25	27	....	30.9
Beckley	Maximum	56	51	58	58	54	51	62	58	71	65	72	76	79	77	77	76	78	80	84	79	65	62	59	56	51	64	62	75	75	82	....	67.1
	Minimum	42	40	25	42	41	40	39	37	35	41	37	42	43	52	47	51	55	53	52	64	43	35	48	43	42	41	30	35	36	40	....	42.4
Bluefield	Maximum	58	56	59	59	55	56	..	66	67	66	68	70	..	80	80	78	77	79	79	82	..	67	65	55	50	60	..	68	76	77	....	67.4
	Minimum	43	41	30	43	41	40	..	39	43	46	43	50	48	..	54	57	56	57	54	..	47	39	47	48	44	45	35	..	43	48	....	45.4
Brandywine	Maximum	54	55	65	51	57	54	65	67	68	72	73	80	83	84	85	82	81	83	88	91	80	70	67	60	65	64	73	78	80	84	....	72.0
	Minimum	30	31	20	35	37	41	24	27	26	40	44	34	45	44	45	49	47	41	45	49	44	33	45	46	27	35	29	29	29	35	....	36.9
Buckhannon	Maximum	46	52	68	67	62	60	64	68	72	70	71	75	79	80	81	80	81	82	85	89	67	64	65	54	63	65	62	69	78	78	....	69.9
	Minimum	38	36	24	45	52	45	34	31	34	40	41	40	41	46	44	45	49	50	50	59	42	31	42	45	30	39	30	36	34	40	....	40.4
Charleston 3	Maximum	52	55	71	60	65	65	69	78	76	75	77	82	85	85	84	85	79	86	91	88	72	66	61	58	61	68	71	76	84	85	....	73.7
	Minimum	40	30	36	36	48	45	40	44	45	47	46	49	49	52	57	57	60	57	61	46	42	47	47	43	43	47	38	43	47	49	....	46.4
Clarksburg 3	Maximum	56	58	70	61	60	51	65	70	76	78	73	79	84	83	83	83	77	85	90	89	67	62	67	55	61	66	69	77	74	85	....	71.8
	Minimum	31	38	25	34	43	45	34	31	32	38	44	39	40	45	45	49	52	49	51	57	39	31	31	45	32	35	30	37	34	39	....	39.2
Elkins	Maximum	46	51	65	55	58	49	66	70	70	67	71	75	80	80	80	80	74	82	84	88	64	61	64	52	64	62	62	70	81	79	....	68.3
	Minimum	35	30	23	42	43	42	36	30	33	48	40	38	38	52	48	49	53	50	49	56	42	32	43	34	29	43	31	33	33	39	....	39.8
Fairmont 3	Maximum	56	61	72	62	58	49	69	75	79	72	76	82	86	87	86	86	80	88	92	90	71	64	65	57	65	70	71	79	87	86	....	74.0
	Minimum	38	37	29	39	42	45	35	33	35	47	42	40	42	51	50	56	55	49	55	63	43	32	41	46	33	37	33	38	37	44	....	42.2
Flat Top	Maximum	48	51	58	43	56	40	55	62	67	60	68	77	76	77	75	75	75	76	78	78	64	62	53	50	48	57	59	67	70	75	....	63.3
	Minimum	35	30	29	39	39	38	36	39	37	39	34	36	40	55	54	53	51	51	48	49	39	32	45	42	41	42	33	37	33	37	....	40.4
Gary 3	Maximum	53	58	66	56	58	48	64	72	73	72	72	79	82	83	82	81	82	83	88	84	71	71	68	56	56	65	67	73	81	82	....	70.9
	Minimum	31	42	26	33	40	43	40	34	34	41	40	38	40	44	44	51	51	53	50	56	44	40	44	52	47	48	32	35	37	39	....	41.6
Glenville	Maximum	66	60	76	75	64	61	72	78	79	77	77	81	85	87	87	86	85	87	92	90	85	70	66	58	65	69	70	80	87	88	....	76.8
	Minimum	39	39	24	45	45	46	38	33	35	47	48	41	42	46	45	52	52	53	52	57	40	32	44	49	35	38	31	41	36	40	....	42.2
Grafton	Maximum	57	57	72	74	55	59	68	72	76	77	75	78	83	86	86	85	84	82	91	92	92	71	69	66	63	68	70	72	81	85	....	74.9
	Minimum	38	36	23	39	40	42	32	30	33	42	42	37	40	44	42	50	51	47	49	57	41	29	40	43	28	35	30	33	34	38	....	38.8
Huntington	Maximum	64	58	70	68	61	54	71	78	79	74	79	86	88	88	84	85	85	86	90	86	75	66	60	59	64	72	74	79	85	87	....	75.2
	Minimum	46	40	30	49	45	46	46	38	43	44	47	45	47	52	54	56	59	60	58	62	43	38	50	50	40	39	39	44	41	46	....	46.6
Lewisburg	Maximum	55	54	59	54	61	48	64	67	71	69	72	75	81	81	81	79	78	81	84	83	73	66	58	54	52	62	65	72	77	79	....	68.5
	Minimum	42	39	25	41	40	43	41	34	34	42	40	39	42	51	50	54	53	53	51	54	44	35	48	46	44	45	34	36	40	40	....	42.7
Logan 3	Maximum	55	61	72	62	62	50	73	78	76	78	80	85	88	88	85	84	85	87	92	85	75	71	63	59	54	66	70	77	88	88	....	74.6
	Minimum	38	43	30	33	44	45	43	37	39	44	43	43	44	48	43	43	57	58	54	58	44	42	49	52	45	42	36	38	42	43	....	44.0
Madison 3	Maximum	52	59	54	61	65	..	71	78	80	74	79	84	87	82	84	83	83	85	90	96	73	68	55	52	60	68	48	51	85	70	....	71.6
	Minimum	38	41	26	33	41	45	..	35	40	45	43	41	43	47	42	52	55	58	53	56	42	38	48	51	41	41	33	37	30	42	....	42.7
Mannington	Maximum	58	55	69	64	59	57	64	70	74	72	72	77	82	83	82	81	77	82	86	88	69	63	63	56	61	66	66	73	80	81	....	71.0
	Minimum	35	37	21	38	42	43	33	27	29	40	43	35	38	44	41	49	48	47	48	54	37	28	36	43	27	31	28	33	32	36	....	37.4
Marlinton	Maximum	64	55	67	61	65	67	71	73	76	73	72	78	84	83	84	83	80	84	82	89	79	73	70	63	61	66	67	78	82	80	....	73.7
	Minimum	31	37	21	36	39	43	39	27	27	35	43	36	33	39	39	45	48	51	45	45	45	31	44	44	37	44	28	32	29	32	....	37.5
Martinsburg 3	Maximum	55	61	64	59	48	54	67	65	72	71	74	76	81	90	90	86	86	86	91	96	75	65	66	60	64	69	75	80	85	88	....	73.3
	Minimum	39	30	32	39	41	42	33	36	35	40	41	44	42	50	60	63	60	55	57	57	54	41	45	48	35	44	46	46	43	45	....	44.8
Morgantown	Maximum	57	55	69	65	55	50	62	69	74	71	75	78	81	81	80	82	76	80	88	89	67	54	62	54	64	64	66	72	82	81	....	70.1
	Minimum	44	35	26	45	41	40	30	44	46	51	50	45	50	62	59	60	57	51	52	56	45	33	41	40	31	41	36	38	42	48	....	44.6
New Martinsville	Maximum	66	63	74	63	63	57	70	78	81	80	78	85	89	89	85	88	79	88	93	88	70	67	66	60	66	71	74	78	90	88	....	76.2
	Minimum	38	35	27	40	44	43	38	31	32	42	43	38	42	48	46	55	51	52	53	59	40	32	38	42	31	37	31	42	36	40	....	40.9
Parkersburg	Maximum	53	59	71	60	60	51	67	74	77	75	74	82	86	85	84	83	80	84	89	84	67	60	59	58	66	66	68	74	81	85	....	72.1
	Minimum	43	35	33	48	46	45	42	41	39	49	49	44	49	59	59	58	57	56	60	54	46	35	47	43	38	40	37	47	42	46	....	46.2
Pickens	Maximum	47	51	65	42	57	47	64	72	72	68	70	74	78	79	80	73	78	80	84	86	72	64	65	53	60	60	61	68	78	81	....	67.6
	Minimum	30	15	23	21	37	27	28	29	33	38	35	38	39	45	45	46	42	48	47	57	38	23	37	35	27	37	24	30	34	33	....	34.7
Point Pleasant	Maximum	64	58	71	69	58	58	69	75	75	72	76	84	88	87	84	81	80	85	91	88	72	67	60	59	64	72	69	78	79	82	....	73.8
	Minimum	44	37	25	48	44	45	43	31	36	42	44	40	42	41	44	54	55	54	53	57	37	29	43	41	34	33	32	39	35	42	....	41.5
Rainelle	Maximum	60	52	63	61	60	50	66	71	74	68	68	74	80	80	81	79	76	81	83	83	73	67	67	54	52	64	64	85	77	85	....	69.9
	Minimum	33	38	19	42	40	40	38	28	28	35	36	31	32	37	37	44	45	49	42	46	40	32	48	45	40	41	26	32	30	31	....	36.9
Richwood 3	Maximum	45	50	61	55	60	44	68	71	73	66	72	75	77	80	80	82	78	83	85	85	64	66	62	54	55	60	64	70	80	81	....	68.2
	Minimum	34	38	25	28	42	42	38	32	34	36	39	37	38	41	41	46	47	50	48	52	42	33	37	48	38	43	31	34	36	38	....	38.9
Spencer 3	Maximum	55	56	72	58	62	48	67	75	77	82	75	82	86	85	85	85	79	85	91	88	70	63	62	57	63	67	69	76	84	86	....	73.0
	Minimum	42	38	25	34	44	45	43	33	35	42	44	39	41	44	47	53	52	53	52	62	38	32	44	49	33	35	31	42	36	40	....	41.6
Sutton	Maximum	69	55	75	75	63	63	68	73	78	78	77	78	80	85	85	86	86	88	93	93	89	71	62	55	61	66	67	75	85	86	....	75.5
	Minimum	39	36	23	41	42	38	42	32	33	46	46	40	41	44	44	50	52	54	52	60	44	32	46	51	35	44	31	39	35	40	....	41.7
Wardensville 3	Maximum	53	58	63	55	50	50	65	63	69	65	70	74	84	84	84	81	76	83	87	91	72	64	63	58	59	64	68	74	80	83	....	69.7
	Minimum	31	41	23	31	40	42	29	26	27	34	33	36	35	46	42	53	48	47	49	51	51	37	44	46	27	38	34	31	34	38	....	38.1
Weston	Maximum	58	55	69	64	60	58	65	71	79	78	78	80	85	84	86	85	83	87	92	92	90	69	67	62	65	68	70	69	85	84	....	74.6
	Minimum	39	40	29	40	43	42	39	37	39	48	44	43	45	50	48	45	54	55	54	64	43	33	43	48	33	39	31	42	38	37	....	42.8
Wheeling 3	Maximum	58	57	68	61	58	50	67	71	75	73	77	81	84	84	80	82	75	82	87	85	66	60	67	56	64	64	70	76	83	83	....	71.5
	Minimum	31	33	28	32	44	43	36	35	34	38	41	40	41	49	52	58	58	52	56	63	44	35	35	39	33	37	34	39	40	43	....	41.4
Williamson 3	Maximum	59	62	73	63	59	53	74	78	75	77	79	84	87	87	85	83	85	87	93	84	76	67	63	61	58	72	75	79	86	87	....	75.0
	Minimum	38	45	35	39	43	47	44	39	42	45	44	44	46	49	50	55	58	60	55	60	45	43	48	53	47	42	38	42	44	45	....	46.2

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Wind movement	40	53	40	82	114	65	39	67	17	20	50	29	42	29	91	83	44	57	50	36	164	126	36	20	66	12	42	35	31	12	....	1,592
Wardensville	Evaporation	....	....	....	....	....	.003	.017	.174	.157	.175	.059	.162	.143	.184	.245	.261	.117	.165	.143	.200	.373	.114	.177	.073	.053	.152	.166	.280	.204	.208	....	4.806
	Wind movement	37	36	51	32	76	25	23	19	32	26	17	25	28	26	57	63	30	48	38	47	156	106	25	41	25	39	41	54	37	32	....	1,292

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Cleveland, Ohio, 6-2-41—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

OL. XLIX PARKERSBURG, W. VA., MAY 1941 No. 5

GENERAL SUMMARY

The month was the seventh driest May of record. Precipitation averaged from 69 percent of normal in the northern division to 42 percent in the southern division. For the six months, December 1940 to May 1941, inclusive, the state had nly 58 percent of normal precipitation, the least of record for his period. Deficiencies of two inches or over were recorded n the southern and southeastern parts of the state. Near rought conditions were general in the southern and southeastrn portions of the state at the close of the month.

Temperatures averaged slightly above normal at practically ll stations except those in the mountain areas. However, the irst half of the month was rather cold with frequent cold ights. The period 9–14th was abnormally cold, while the eriods 21st–22d and 27-29th were very warm. Heavy frosts, nd in exposed places, killing frosts, occurred in the period of he 11th to 14th. Heavy frost also occurred in widely scattered ocalities on the 25th

Frosts and dry soil contributed to the slow growth of crops uring the month. The early hay crop was very light and hort. Generous rains and warm weather were needed at the lose of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the ecords of 64 stations, was 62.2°, or 0.5° above the normal. The mean for the northeastern panhandle division was 62.5°; or the northern division, 61.6°; and for the southern division, 2.8°. The highest monthly mean was 68.2° at Huntington nd the lowest, 51.7° at Bayard. The highest temperature was 02° at Hinton on the 22d, and the lowest, 20° at Seneca State Forest on the 3d and Bayard on the 4th. The greatest daily ange was 64° at Romney on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the ecords of 123 stations, was 2.28 inches, or 1.66 inches below he normal. In the northeastern panhandle division the average vas 1.97 inches; in the northern division, 2.83 inches; and in he southern division, 1.59 inches. The greatest monthly precipitation was 4.45 inches at Pickens No. 2 and Wellsburg and he least, 0.57 inch at Greenbottom and Naoma. The greatest mount in any 24 consecutive hours was 2.68 inches at Pickens n the 17th. The average monthly snowfall was Trace, or the normal amount. The greatest monthly snowfall was trace at Spruce Knob. The average number of days with .01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	3	1	3	1	9	1	5	15	6	4	8	..	..	1	3	13	10	6	1	..	8	10	4	1	3	2	7	5
Frosts, killing	..	..	..	2	..	..	..	..	..	..	7	4	28	10	..	..	..	1	2	..	..	..	..	..	19	1	..	..	..	..	..
Gales	..	1	..	..	..	..	..	2	2	1	..	1	..	1	1	3	2	..	..	..	..	1	1	..	..	2	2	2	1	..	1
Hail	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	5	3	..	..	..	..	..	5	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..	..	..	..	1	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	1	..	..	2	1	6	16	6	..	..	..	..	..	1	28	22	1	..	..	..	4	25	4	..	2	..	..	4	6	5

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.03	30.39	25	29.66	7	6.7	27	nw.	16	70	36	44	78
Columbus, Ohio	30.02	30.30	25	29.64	7	8.9	34	s.	7	71	44	49	77
Elkins	30.05	30.45	25	29.68	7	6.1	23	sw.	8	79	42	55	71
Huntington Airp't	30.02	30.38	25	29.67	7	......	20	w.	8	79	37	48	....
Parkersburg	30.01	30.39	25	29.65	7	6.0	38	nw.	16	74	40	48	73
Pittsburgh, Pa	30.01	30.42	25	29.68	7	10.4	38	nw.	16	69	42	49	59

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	......	......	2.38	3.11	3.60	3.18	......	......	......	......	......
1892	62.2	96	32	3.62	6.67	4.83	5.04	......	......	......	......	......
1893	59.5	92	30	4.90	4.35	4.84	4.51	......	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	......	13	16	9	6
1895	61.6	**105**	20	3.18	2.18	2.80	2.60	......	9	12	11	8
1896	**68.3**	95	33	2.92	3.50	2.71	3.01	......	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	......	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	......	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	......	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	......	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	......	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	......	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	.1	10	14	9	8
1910	57.9	96	**19**	2.45	4.05	4.56	3.92	.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	.0	11	15	8	8
1913	61.6	95	**19**	5.54	5.60	4.50	5.16	.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	**55.5**	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	**55.5**	93	23	8.74	7.12	6.72	**7.20**	.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	.2	10	13	8	10
1926	61.2	91	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	**19**	1.67	1.22	1.50	**1.38**	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
Period	61.7	105	19	3.66	4.12	3.83	3.94	T.	11	13	9	9

Climatological Data for May 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	53.2	−3.2	86	22	20	4	55	3.03	−1.27	1.12	0.0	7	24	2	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	59.8	+1.2	95	22	24	4	56	1.08	−2.00	.78	.0	3	23	0	8	s.	E. L. Keister
Harpers Ferry	Jefferson	400	52	....	....	....	....	....	....	....	2.20	−1.24	1.00	.0	8	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	9	65.4	....	99	§22	30	12	54	1.69	....	.80	.0	6	19	8	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	64.2	+.8	96	28	30	4	51	2.23	−1.26	.77	.0	9	13	15	3	nw.	University Exper. Station
Martinsburg	Berkeley	435	49	66.2	+3.4	98	§22	34	4	50	2.98	−.41	1.20	.0	9	22	9	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	45	60.2	.0	97	§21	22	§3	60	1.50	−1.73	.70	.0	6	15	9	7	w	R. E. Saville
Piedmont	Mineral	1,053	28	62.0	+2.0	92	22	30	§11	40	2.21	−1.44	.87	.0	8	15	9	7	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	43	62.8	−.1	96	28	25	§2	64	2.04	−1.49	.60	.0	7	23	2	6	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	....	....	....	....	....	....	....	2.91	....	1.02	T	7	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	21	....	....	....	....	....	....	....	2.53	−2.07	1.30	.0	6	12	9	10	w.	A. C. Becker
Wardensville	Hardy	1,200	20	60.4	+1.0	93	§22	26	3	52	1.83	−1.13	.49	.0	9	20	6	5	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	....	....	....	....	....	....	....	2.33	−1.54	1.33	.0	6	12	14	5	....	L. Esle Bond
Alpena	Randolph	2,571	10	51.7	−4.4	80	§21	21	§4	47	3.37	−2.10	1.62	.0	9	18	8	5	....	Christian Hertig
Benson	Harrison	1,080	17	62.6	+1.8	92	§6	24	11	53	2.57	−1.36	1.70	.0	4	11	17	3	....	R. D. Marts
Bens Run	Pleasants	652	39	60.1	−2.9	92	29	33	11	42	3.33	−.67	1.75	.0	8	27	3	1	....	Mrs. C. W. Rea
Brownsville	Lewis	1,032	18	62.0	+.4	95	16	27	11	50	2.65	−1.58	1.44	.0	5	14	13	4	....	M. D. Hawkins
Buckhannon	Upshur	1,411	44	60.3	−.8	87	§28	27	11	47	2.17	−2.26	1.04	.0	6	19	9	3	....	H. A. Darnall
Cairo	Ritchie	680	40	63.2	+.1	93	§22	28	11	50	2.53	−.89	1.75	.0	6	22	6	3	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	61.4	+1.1	95	23	29	11	51	2.51	−1.17	1.32	.0	8	14	11	6	....	Clarksburg Water Board
Crawford	Lewis	1,107	18	....	....	....	....	....	....	....	3.75	−.74	2.63	.0	8	18	9	4	sw.	George W. Blair
Creston	Wirt	640	39	63.8	+.7	94	23	30	11	49	1.80	−1.91	.80	.0	8	18	9	4	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	....	....	....	....	....	....	....	2.48	−1.59	.80	.0	10	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	25	....	....	....	....	....	....	....	1.78	−1.64	.50	.0	10	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	20	....	....	....	....	....	....	....	2.63	−.97	1.60	.0	7	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	25	....	....	....	....	....	....	....	2.21	−1.21	1.05	.0	7	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	....	....	....	....	....	....	....	1.86	−1.60	1.01	.0	7	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	....	....	....	....	....	....	....	1.77	−1.66	1.10	.0	6	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	40	58.8	−.4	88	22	28	11	45	2.58	−1.47	1.39	.0	7	13	10	8	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	63.0	+.9	96	22	28	11	51	2.98	−.90	1.91	.0	8	18	6	7	w.	J. C. Robinson
Glenville	Gilmer	738	47	65.0	+1.4	96	23	31	§4	51	2.89	−1.23	1.67	.0	5	18	2	11	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	62.6	+1.1	94	23	27	§11	53	2.47	−1.21	1.48	.0	8	23	4	4	....	L. W. Clayton
Hastings	Wetzel	809	6	....	....	....	....	....	....	....	3.26	....	1.28	.0	8	14	7	10	w.	L. G. McIntyre
Horner	Lewis	1,044	18	....	....	....	....	....	....	....	2.35	−2.32	1.15	.0	5	....	....	....	....	Foster R. Hardman
Jane Lew	Lewis	1,020	18	....	....	....	....	....	....	....	2.93	−1.67	1.40	.0	6	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	61.2	+.8	91	22	27	11	50	2.43	−1.72	1.38	.0	7	11	15	5	w.	Chas. H. Washburn
Mannington	Marion	974	38	60.0	−.4	89	§22	25	11	51	2.62	−1.39	1.25	.0	9	16	7	8	w.	James A. Morgan
Middlebourne	Tyler	.....	..	....	....	....	....	....	....	....	2.72	....	1.47	.0	7	22	4	5	....	L. A. Crumrine
Morgantown	Monongalia	1,300	48	63.5	+1.4	90	§6	30	11	44	3.25	−.45	1.00	.0	7	20	1	10	....	Bruce Davis
New Cumberland	Hancock	671	43	62.7	+2.5	93	21	29	§11	48	2.66	−.74	.71	.0	10	11	5	15	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	64.6	+1.6	96	29	29	11	54	2.36	−1.31	1.10	.0	7	21	6	4	w.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	64.2	+.4	93	22	33	11	42	3.37	−.01	1.58	.0	10	14	12	5	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	59.9	+1.1	90	22	26	13	49	2.74	−1.39	1.36	.0	8	17	8	6	w	D. A. Oliver
Philippi	Barbour	1,300	44	....	....	....	....	....	....	....	3.50	−.77	1.66	.0	8	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	57.1	−1.0	87	22	22	11	48	4.31	−.94	2.68	.0	6	19	7	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	....	....	....	....	....	....	....	2.46	−1.90	2.10	.0	4	25	3	3	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	....	....	....	....	....	....	....	3.54	−1.09	1.74	.0	8	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	33	....	....	....	....	....	....	....	2.39	−1.12	1.47	.0	6	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	40	58.1	+.7	88	§6	24	13	51	3.29	−1.69	1.30	.0	8	18	8	5	w.	Earl Lee
Thomas	Tucker	3,000	12	....	....	....	....	....	....	....	3.46	−1.79	1.84	.0	7	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	18	^{a}63.6	+2.0	....	....	27	11	52	2.62	−1.27	1.48	.0	5	12	16	3	w.	S. A. Spence
Vandalia	Lewis	1,120	18	....	....	....	....	....	....	....	2.28	−1.30	1.15	.0	6	....	....	....	....	James B. Kelley
Wellsburg (near)	Brooke	668	34	60.0	−.2	93	21	24	12	57	4.45	+1.25	1.86	.0	7	18	6	7	....	George P. Pfister
West Milford	Harrison	979	16	....	....	....	....	....	....	....	2.94	−.79	1.45	.0	7	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	46	66.0	+3.3	94	22	30	§11	45	2.39	−1.45	1.21	.0	7	2	28	1	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	63.0	+1.2	91	§28	32	11	45	4.30	+1.20	2.45	.0	11	19	6	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	....	....	....	....	....	....	....	1.70	−1.71	.74	.0	6	20	6	5	....	H. S. Sutton
Beckley	Raleigh	2,440	38	60.4	+.5	92	22	28	13	48	1.46	−2.17	.74	.0	5	16	12	3	....	L. A. Mauck
Bluefield	Mercer	2,558	46	^{c}63.8	+2.2	92	22	35	13	....	1.28	−1.84	.45	.0	12	15	9	7	....	Norfolk & Western Ry.
Charleston	Kanawha	602	38	67.6	+2.2	96	22	41	§11	39	2.52	−1.26	1.42	.0	8	....	....	....	....	Charleston Daily Mail
Clay	Clay	790	25	....	....	....	....	....	....	....	1.46	−2.33	.86	.0	7	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,270	3	58.5	....	86	22	26	13	46	.66	....	.33	.0	5	11	15	5	....	U. S. Airway Station
Gary	McDowell	1,426	25	^{a}62.4	+1.3	93	22	32	13	46	1.07	−2.90	.46	.0	6	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	66.4	....	95	22	35	4	47	.57	....	.18	.0	6	11	13	7	....	State Forest Nursery
Hinton	Summers	1,431	41	65.2	+1.8	102	22	32	13	55	.77	−2.78	.50	.0	4	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	25	....	....	....	....	....	....	....	2.15	−1.53	1.71	.0	6	....	....	....	....	Lockmaster
Huntington	Cabell	571	44	68.2	+3.5	97	22	38	§4	47	1.18	−2.79	.72	.0	6	10	17	4	ne.	H. N. Robinson
Institute	Kanawha	606	3	63.9	....	95	22	34	4	48	3.88	....	1.96	.0	8	....	....	....	....	Civil Aero. Administratio
Kayford	Kanawha	1,335	25	....	....	....	....	....	....	....	2.57	−1.83	.92	.0	6	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	61.2	+1.1	90	22	29	13	46	1.23	−2.13	.47	.0	8	17	9	5	....	J. K. Monroe
Logan	Logan	700	38	67.2	+.2	98	22	36	13	50	.99	−3.12	.35	.0	7	10	16	5	....	Paul A. Simonds
London Locks	Kanawha	623	5	64.3	....	93	22	37	§4	45	2.02	....	1.34	.0	7	16	10	5	s.	Lockmaster
Madison	Boone	675	20	....	....	..	..	..	...	...	....	....	....	.0	..	....	....	....	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	60.4	+3.4	97	22	25	§12	59	1.47	−2.47	.56	.0	6	13	8	10	n.	Edward A. Moore
Point Pleasant	Mason	595	42	64.9	+.2	94	§22	31	4	52	2.56	−1.43	1.11	.0	5	12	15	4	s.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	57.8	−.3	91	22	24	13	55	1.55	−2.92	.40	.0	9	21	4	6	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	64.6	+2.7	93	§22	31	§4	49	1.90	−1.81	.95	.0	7	20	4	7	nw.	Lockmaster
Richwood	Nicholas	2,193	11	58.0	−2.2	88	§22	23	§13	46	2.49	−2.21	.80	.0	7	13	10	8	se.	Cherry River Paper Co.
Ryan	Roane	700	38	60.6	−.6	90	§22	28	11	47	1.40	−2.24	.61	.0	5	18	11	2	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	57.0	....	93	22	20	3	57	1.68	....	.72	.0	5	19	10	2	e.	Supt., State Forest
Spencer	Roane	789	37	63.8	+1.8	94	21	29	11	50	2.83	−.82	.90	.0	7	11	18	2	....	A. M. McKown
Summersville	Nicholas	.....	..	....	....	..	...	..	...	...	....	....	....	.0	..	....	....	....	....	A. E. Dorsey
Sutton	Braxton	850	35	64.0	+.7	96	§21	30	13	50	2.41	−1.95	1.48	.0	6	....	....	....	....	C. B. Eakle
Union	Monroe	2,200	37	60.4	−.5	95	22	23	13	56	.67	−2.53	.40	.0	2	24	2	5	....	C. B. King
Wayne	Wayne	598	14	....	....	....	....	....	....	....	1.94	−1.64	.52	.0	7	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	63.6	+3.1	96	22	33	12	49	1.35	−2.12	.70	.0	4	25	4	2	....	White Sulphur Spgs., Inc.
Williamson	Mingo	673	41	67.6	+2.6	99	22	37	13	48	1.13	−2.95	.73	.0	4	18	8	5	ne.	J. E. Dotson
Winfield Locks	Putnam	571	3	64.4	....	93	22	37	11	47	1.56	....	.90	.0	7	14	10	7	sw.	Lockmaster
State averages and	extremes	....	....	62.2	+.5	102	22	20	§3	64	2.23	−1.66	2.68	T.	7	17	9	5	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. ||| Incomplete.

Daily Precipitation for May 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac								.30	.20	.30						.28	1.12	.50						.33								3.03
Brandywine	do								.12									.78						.18									1.08
Brushy Run[2]	do								.30	.06	.05						.03	.39	.38						.08						.02	T.	1.31
Harpers Ferry[2]	do								.20	.05	.19						.12	.38	.23												1.00	.03	2.20
Inwood	do								.11	.15							.23	.40						T.						.15	.65		1.69
Kearneysville	do								.11	.16							.63	.51	.01					T.	.01					.10	.67	.03	2.23
Knobly Mountain[2]†	do		T.						.15	.11	.10					T.	.38	.34	.30						.05						.25	.03	1.71
Martinsburg[2]	do								.18	.10	.15						.51	.32	.22						.25						1.20	.05	2.98
McNeill	do	T.						T.	.24	.13						T.	.10	.70						.12							.21	T.	1.50
Petersburg	do								.11	.20							.11	.52						.02							.13	.02	1.11
Piedmont	do								.10	.36	T.					.02	.85	.57						.01							.28	.02	2.21
Romney	do								.40	.20							.48	.60						.20							.14	.02	2.04
Spruce Knob[2]†	do								.34	.13	.18						.17	1.02	.70						.37								2.91
Stony River Dam[2]†	do								.10	.22	.35						.20	1.30	.36														2.53
Wardensville[2]	do								.23	.13	.11						.49	.43	.12						.02						.29	.01	1.83
Northern Division																																	
Aberdeen†	West Fork							T.	.43	.25	T.						.03	1.30						.28				T.			T.	.04	2.33
Alpena	Cheat							.21	.10	.53							.14	1.62	.02					.58							.07	.10	3.37
Belington[2]	Tygart		T.						.38	.19	.12	T.				.01	.04	1.09	.19					T.	.12						.04		2.18
Benson†	West Fork								.35	.35								1.70						.17									2.57
Bens Run	Ohio							.32	.22	.32						.05	.08	1.75						.47								.12	3.33
Big Skin Creek†	West Fork							.18	.13	.25							.37	.98						.13								.09	2.13
Brownsville†	do								.40	.18								1.44						.26								.37	2.65
Buckhannon	Tygart							.27	.22	.30							T.	1.04						.31								.03	2.17
Cairo	Litl.Kanawha							.11	.28	.24								1.75						.10	.05								2.53
Clarksburg[2]	West Fork								.20	.64	.04							1.12	.20					.07	.23						.01		2.51
Crawford	do							.27	.60	.12						.01	.89	1.74						.10								.02	3.75
Creston[2]	Litl.Kanawha						.05		.35	.20	.03	T.						.80	.15					T.	.20			.02					1.80
Dailey[2]†	Tygart								.35	.17	.14	T.			.02	T.	.05	1.47	.83						.28								3.31
Dam 10, Mon. R.[2]†	Monongahela								.13	.37	.12					.01	.48	.80	.17					.27	.10						.03		2.48
Dam 13, O. R.[2]†	Ohio								.40	.31	.01					.02	.26	.50	.03					.11	.04						.10		1.78
Dam 15, Mon. R.[2]†	Monongahela								.16	.42	.12					T.		1.08	.52					.31	.02						T.		2.63
Dam 19, O. R.[2]†	Ohio							.03	.41	.35	.01					T.		1.05	.02					.34									2.21
Dam 20, O. R.[2]†	do							.05	.50	.18	.04			T.		T.		1.01	.01					.07									1.86
Elizabeth (Dam 3)[2]	Litl.Kanawha	T.					.05	T.	.25	.25	T.				T			1.10	.08						.04				T.				1.77
Elk†	West Fork								.70	.07								1.20						.55							.40		2.92
Elkins[1]‡	Tygart	T.						.18	.02	.26	T.					T.	.51	.94						.60						.07		T	2.58
Fairmont[2]	Monongahela								.19	.46	T							1.26	.65					.14	.15						.07	.06	2.98
Glenville[2]	Litl.Kanawha								.43	.17	T.							1.67	.25						.37			T.					2.89
Grafton	Tygart								.20	.39	.01	.01					.09	1.48	.01					.28									2.47
Haekers Creek†	West Fork							.05	.38	.19							.01	1.66						.59									2.88
Hall[2]	Tygart								.51	.25	.11					T.	T.	1.04	.18					T.	.30						T.		2.39
Harrison Co.Airport[2]	West Fork								.09	.54	.03						.03	1.13	.46					.03	.40						.03		2.74
Hastings	Ohio							.01	.50	.45	.01							1.28	.03					.97							.01		3.26
Horner	West Fork									.40	.45							1.15						.25								.10	2.35
Ireland	do					T.			.56	.12	T.						.27	1.78							.10								2.83
Jane Lew	do								.99	.18							.02	1.40						.33							.01		2.93
Kumbrabow St. For.†	[2]Tygart																																....
Lost Creek (near)	West Fork					T.		.03	.45	.20						T.	.04	1.38						.17							.16	T.	2.43
Mannington	Monongahela							.13	.34	.42						.01	.11	1.25						.30							.04	.02	2.62
Middlebourne	Middle Is.Creek							.32	.47	.06								1.05	.42				.39	.01									2.72
Midvale[2]†	Tygart								.34	.21	.14							.81	.38						.31								2.19
Morgantown	Monongahela							.10	.23	.62							.40	1.00						.75						.15	T.	T.	3.25
Mt. Clare	West Fork							.02	.41	.24						.01	.30	1.23						.14							.16		2.51
New Cumberland	Ohio							.62	.16	.02						.15	.40	.71					.39	.02						.09		.10	2.66
New Martinsville	do							.23	.32	.25							.16	1.10						.25							.05		2.36
Parkersburg[1]‡	do	.01				.12	T	.52	.19	.21	T.			T.		T.	1.30	.28					.14	.11								.49	3.37
Parsons	Cheat							.11	.23	.49	.01						.19	1.17						.30							.24	T.	2.74
Philippi[2]	Tygart		T.						.56	.30	.15					T.	T.	1.40	.26					.01	.55						.27		3.50
Pickens	do							.28	.28	.41							.54	2.68						.12									4.31
Roanoke	West Fork							T.	.30					T.		T.	.80	1.30						.06								T.	2.46
Rockford†	do					T.		.11	.56	.28						T.	.07	1.43						.82							T		3.27
Rowlesburg[2]	Cheat		T.						.34	.41	.15						.22	1.39	.35					.15	.53								3.54
Saint Marys[2]	Ohio								.45	.28	.02					T.	T.	1.47	.08					.09									2.39
Salem	West Fork					.15		.25	.35	.46						.08	.20	1.48						.15									3.22
Shinnston	do							.25	.30	.42							.30	1.73						.35	T.						.10		3.45
Terra Alta†	Cheat							T	.25	.68	.04					T.	.53	1.30						.36							.09	.04	3.29
Thomas[2]	do								.39	.34	.27						.27	1.51	.33						.35						T.		3.46
Valley Chapel	West Fork							T.	.19	.17	T.						.16	1.48						.62									2.62
Valley Head[2]	Tygart								.09	.17	.12							1.60	.68						.17			T.					2.83
Vandalia†	West Fork							.17	.26	.16							.49	1.15						.05									2.28
Wellsburg (near)	Ohio							.27	.49	.29							.80	1.86						.43							.31	T.	4.45
West Milford	West Fork							.05	.15	.64	.05						.28	1.45						.32									2.94
Weston[2]	do								.50	.22	.08				T.	T	T.	1.21	.12					.02	.24								2.39
Wheeling (Dam 12)[2]	Ohio							T.	.40	.40	.01					.04	.27	2.34	.11					.15	.26						.31	.01	4.30
Southern Division																																	
Arbovale[2]	Greenbrier								.33		.16							.74	.33						.08							.06	1.70
Beckley	New		T.					T.	.20	T.	.05							.18						.74							.29		1.46
Bluefield	New	.12	.05					.14	.07	.04	.02							.10	.18					.04	.06		.01				.45		1.28
Camden-on-Gauley[2]	Gauley								.12	.24	.05							.70	.78						.67			.61				.16	2.68
Charleston[2]	Gr. Kanawha	T	T					.01	.21	.23	.02	T.						1.15	.27		T.	T.			.25			.38					2.52
Clay[2]	Elk								.21	.18	.05							.61	.25						.05			.11				T.	1.46
Flat Top[2]	New							.33	T.	T.	.02							.08						.04							.19		.66
Gary[2]	Big Sandy								.46	.04									.25						.07			.01				.24	1.07
Greenbottom[2]†	Ohio							.07	.16	.18	.02					T.		.07						.07				T.			T.		.57
Hinton[2]	New								.50	T									.02						.04							.21	.77
Hogsett[2]	Ohio							.01	T.	.23								1.71	.13					T.	.03			.04					2.15
Huntington	do							.12	.03	.15						T.		.72						.09			.07				T.		1.18
Institute[2]	Gr. Kanawha							.12	.11	T.	.01						.40	.77						.17			.34					1.96	3.88
Kayford[2]	do								.35	T.	.06							.36	.50						.38							.92	2.57
Lewisburg	Greenbrier							.47	.11		.01							.15	.01					.07							.03	.38	1.23
Logan[2]	Guyandot							T.	.16	.05								.02	.10						.35			.05				.26	.99
London Locks[2]†	Gr. Kanawha								.24	.23	.02							.95	.39						.10			.09					2.02
Madison[2]	Coal																																....
Marlinton	Greenbrier							.56	.12	.15								.51						.10								.03	1.47
Point Pleasant[2]	Ohio							T.	.84	.17								1.11	T.					.06	.38			T.					2.56
Princeton[2]	New		T.						.33										.22						.16							.39	1.10
Rainelle	Greenbrier							.22	.28	.04	.14							.40	.07					.15	.05						.20	T.	1.55
Ravenswood[2]	Ohio							T.	.20	.19	.06			T.				.95	.03					.02	.45								1.90
Richwood[2]	Gauley								.29	.24	.12							.80	.64						.39			.01					2.49

Continued on next page.

Daily Precipitation for May 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	.28	.28	....	....	....	....	....	....	....	.61	....	....	....	....	....	.08	....	....	.15	....	....	....	....	....	1.40
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	.57	.04	....	....	....	....	....	....	....	.02	.72	....	....	....	....	....	.33	....	....	....	....	....	....	....	....	1.68
Spencer ²	Litl.Kanawha	....	....	....	....	....	....	....	.31	.22	.05	....	....	....	....	....	....	.90	.25	....	....	....	....	T.	.20	....	....	....	....	....	....	.90	2.83
Summersville	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	T	....	....	1.52	....	....	....	....	....	....	.02	....	....	....	....	....	....	.25	||||
Sutton	Elk	....	....	....	....	....	.15	.16	.32	.22	....	....	....	....	....	....	....	1.48	....	....	....	....	....	.08	....	....	....	....	....	....	....	....	2.41
Thornwood²	Greenbrier	....	....	....	....	....	....	.07	.35	.15	.06	....	....	....	....	....	.08	.13	.73	....	....	....	....	.10	.12	....	....	....	....	....	T.	....	1.79
Union ²	New	....	....	....	....	....	....	....	.27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.40	0.67
Wayne ²	Twelvepole	....	....	....	....	....	....	.03	.15	.26	....	....	....	....	....	....	....	.48	.47	....	....	....	....	....	.03	....	....	.52	....	....	....	....	1.94
White Sulp'r Spgs. ²	Greenbrier	....	....	....	....	....	....	....	.35	....	....	....	....	....	....	....	....	....	.15	....	....	....	....	....	.15	....	....	....	....	....	.70	....	1.35
Williamson ²	Big Sandy	....	....	T.	....	....	....	....	.18	.19	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	.73	....	....	....	....	....	....	....	1.13
Winfield Locks²†	Gr. Kanawha	....	T.	....	....	....	....	....	.22	.13	T.	....	....	....	....	....	....	.75	.15	....	....	....	....	.01	.29	....	....	.01	....	....	....	....	1.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House

Daily Temperatures for May 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard ³	Maximum	74	67	59	75	80	85	75	68	50	50	55	57	50	68	74	80	65	63	75	82	85	86	80	61	70	80	82	84	84	59	72	70.8
	Minimum	31	35	25	20	30	40	45	48	37	37	24	22	21	22	25	40	52	35	28	30	35	40	40	35	25	33	40	55	56	53	49	35.7
Beckley	Maximum	74	72	69	77	81	84	74	71	64	54	59	60	59	70	82	84	77	69	81	87	90	92	74	69	78	83	85	87	78	82	78	75.6
	Minimum	44	44	38	38	50	50	58	45	42	41	32	32	28	33	45	62	53	37	33	41	47	47	53	47	33	48	61	54	56	56	59	45.3
Bluefield	Maximum	76	70	67	..	78	83	78	69	68	47	..	59	60	70	79	84	82	..	80	86	90	92	89	76	..	82	85	88	86	..	85	77.3
	Minimum	48	50	43	44	..	55	62	49	46	43	36	..	35	39	53	59	61	..	41	47	52	55	57	51	39	..	65	59	62	60	..	50.4
Brandywine	Maximum	80	78	75	80	84	89	80	74	65	60	58	59	65	73	83	91	78	70	81	88	93	95	91	70	73	86	91	93	92	80	79	79.2
	Minimum	33	37	25	24	34	47	46	44	40	39	25	28	25	28	36	55	56	37	31	39	46	48	52	37	29	39	58	52	56	52	52	40.3
Buckhannon	Maximum	76	72	65	73	81	88	82	70	50	60	59	60	65	88	74	82	66	68	73	80	83	86	85	69	70	82	82	87	87	83	80	74.3
	Minimum	40	46	35	30	37	39	58	50	44	45	27	31	30	32	49	65	55	38	37	40	49	49	69	84	40	58	50	51	50	66	60	46.3
Charleston ³	Maximum	81	78	72	81	85	91	79	77	58	61	66	69	71	77	86	89	86	78	83	90	92	96	90	75	82	89	90	93	90	89	79	81.4
	Minimum	54	49	42	50	57	57	55	50	49	47	41	41	42	51	55	62	64	44	49	51	57	61	52	55	52	62	83	65	65	67	63	53.9
Clarksburg ³	Maximum	84	74	70	80	86	92	78	72	52	58	62	68	67	74	81	87	69	69	81	88	91	92	95	67	76	87	89	90	90	78	84	78.4
	Minimum	43	47	38	31	35	41	55	50	48	45	29	30	30	33	41	52	54	35	38	43	48	50	57	43	35	40	53	59	60	82	56	44.5
Elkins	Maximum	74	70	66	75	80	86	75	69	50	50	56	58	61	89	78	82	88	63	77	84	86	88	83	63	75	84	85	87	85	78	79	73.7
	Minimum	41	45	38	30	37	51	59	41	41	34	28	29	29	30	44	58	45	40	36	42	48	48	53	41	33	41	66	58	60	59	56	43.9
Fairmont ³	Maximum	82	78	73	84	88	91	78	73	55	61	65	66	70	77	80	88	69	71	84	91	94	96	84	70	80	89	92	93	93	76	84	79.8
	Minimum	48	48	37	33	40	55	57	53	47	43	28	30	31	35	35	49	60	36	38	47	52	54	62	43	36	41	56	62	63	62	55	46.3
Flat Top	Maximum	72	67	62	73	75	80	70	65	58	45	55	55	56	66	78	80	70	65	77	82	84	86	81	65	74	79	83	84	81	77	72	71.5
	Minimum	45	47	37	38	54	47	56	48	41	38	35	31	26	39	39	59	52	36	31	40	48	46	52	45	38	46	83	52	62	62	57	45.5
Gary ³	Maximum	78	74	72	80	82	89	74	71	53	58	62	62	63	74	85	87	71	73	83	87	91	93	86	73	82	85	89	..	89	88	82	77.8
	Minimum	44	44	40	35	46	50	56	54	51	48	37	37	32	33	43	50	58	43	40	41	47	49	52	53	39	50	58	55	..	59	63	46.9
Glenville	Maximum	89	81	78	82	86	94	89	74	70	70	64	68	89	77	83	89	69	70	85	92	95	95	96	75	78	92	92	94	93	92	86	82.8
	Minimum	43	47	35	31	40	52	59	52	47	46	31	35	32	35	52	58	59	39	40	44	49	54	51	48	37	44	61	59	60	62	59	47.1
Grafton	Maximum	85	83	77	78	88	89	91	80	73	52	63	64	68	70	81	81	88	65	77	86	90	92	94	84	75	87	89	91	93	92	82	80.9
	Minimum	41	43	35	30	35	51	57	51	45	42	27	27	28	31	44	62	56	37	35	44	49	50	59	41	33	37	58	58	58	58	55	44.4
Huntington	Maximum	84	82	75	85	89	91	87	77	70	88	70	71	74	80	86	89	84	71	82	90	94	97	92	78	82	92	92	94	95	87	89	83.8
	Minimum	50	58	45	38	51	60	64	51	48	48	41	40	38	40	60	61	62	45	44	48	52	57	66	50	42	54	66	62	63	65	65	52.7
Lewisburg	Maximum	76	73	86	78	80	82	76	69	67	54	59	62	63	72	82	84	78	71	81	88	89	90	87	71	75	84	86	87	84	88	75	76.6
	Minimum	44	46	35	32	51	49	52	47	45	43	33	30	29	33	45	69	55	37	36	42	48	49	55	44	34	48	62	55	58	60	57	45.9
Logan ³	Maximum	85	80	79	86	90	97	80	75	52	64	68	70	71	80	90	91	76	75	88	95	97	98	92	78	87	91	95	97	95	89	88	83.8
	Minimum	47	50	42	37	48	58	61	55	52	49	41	41	36	37	46	54	61	48	44	45	51	52	58	52	41	49	63	59	62	62	67	50.5
Madison³	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Mannington	Maximum	80	73	67	76	84	87	80	69	60	58	60	63	65	71	77	84	70	66	78	84	87	89	85	66	72	88	87	89	89	85	80	76.3
	Minimum	40	43	31	28	33	48	57	48	46	43	25	26	29	30	45	60	56	34	34	42	46	50	60	41	32	36	62	56	57	62	53	43.6
Marlinton	Maximum	81	77	74	81	83	88	85	72	70	64	63	85	85	76	84	87	76	74	87	95	94	97	89	72	77	87	89	90	88	86	78	80.5
	Minimum	36	38	32	26	35	44	46	43	39	41	27	25	25	28	40	52	54	39	33	36	42	42	50	39	30	39	56	52	51	54	55	40.3
Martinsburg ³	Maximum	84	76	67	80	81	88	81	82	70	62	70	89	72	79	72	90	81	75	85	92	96	98	96	80	76	95	96	98	96	88	75	82.2
	Minimum	51	52	37	34	37	54	58	59	49	48	42	43	36	42	45	50	55	48	43	53	55	58	68	50	43	45	50	71	72	55	49	50.1
Morgantown	Maximum	81	70	76	80	81	90	81	71	80	55	61	66	67	71	77	81	78	77	80	88	89	88	89	63	74	88	90	90	88	88	80	78.0
	Minimum	48	50	40	42	45	58	82	55	45	44	30	33	33	34	60	55	55	37	40	55	60	55	62	43	37	44	66	67	80	60	55	49.0
New Martinsville	Maximum	83	87	75	84	90	93	88	72	59	66	68	88	72	79	85	89	76	73	85	93	95	95	85	71	82	91	94	95	96	94	86	82.8
	Minimum	44	48	35	32	36	52	62	50	47	44	29	30	32	33	51	62	53	37	39	42	45	53	62	45	37	39	62	59	60	62	55	46.4
Parkersburg	Maximum	82	74	69	79	84	89	76	73	55	62	63	64	69	76	83	85	68	67	78	87	90	93	83	68	77	89	90	92	91	80	82	78.0
	Minimum	50	53	42	37	45	58	59	51	47	45	33	41	41	37	59	61	48	41	41	48	53	59	56	48	39	47	70	64	66	66	61	50.5
Pickens	Maximum	78	79	69	75	77	84	75	66	58	56	53	63	86	67	77	80	71	63	76	84	85	87	83	71	72	80	81	85	82	84	82	74.5
	Minimum	33	38	27	27	41	45	54	40	34	30	22	25	27	30	39	55	45	33	31	48	46	45	51	33	26	39	53	52	54	55	53	39.7
Point Pleasant	Maximum	82	79	77	83	85	89	89	71	69	66	64	64	70	80	83	83	80	71	82	89	93	94	92	73	80	90	92	94	93	89	90	81.8
	Minimum	44	52	39	31	44	55	62	47	46	48	34	37	35	39	54	61	62	39	40	44	42	53	62	42	35	42	82	58	59	61	59	48.0
Rainelle	Maximum	77	72	68	82	78	87	75	68	56	51	59	60	62	71	81	83	79	67	81	87	89	91	85	69	76	84	85	88	85	83	76	76.0
	Minimum	36	41	31	27	39	42	49	42	40	30	28	27	24	26	38	53	53	40	31	34	40	40	47	41	29	40	52	48	50	51	57	39.5
Richwood ³	Maximum	74	70	70	78	78	83	73	68	47	49	57	57	60	69	77	80	62	65	78	85	85	88	80	68	76	81	83	88	84	82	81	73.4
	Minimum	49	41	33	36	41	46	52	48	42	41	39	31	23	23	35	50	56	39	35	40	45	45	52	44	33	39	49	52	54	56	58	42.5
Spencer ³	Maximum	83	77	70	86	86	87	76	72	55	60	65	69	70	79	84	87	65	68	81	87	94	91	89	70	82	89	90	92	91	85	86	79.5
	Minimum	41	48	47	31	43	51	61	51	46	45	29	40	34	32	52	66	60	36	37	43	47	84	82	45	35	52	57	58	59	61	59	48.1
Sutton	Maximum	86	79	76	80	86	88	88	70	70	58	63	66	66	76	83	85	85	68	83	90	96	96	95	93	81	91	91	93	93	92	85	82.3
	Minimum	42	46	35	31	41	50	57	51	48	46	32	31	30	34	47	53	59	39	38	42	48	48	59	46	36	43	49	58	58	59	61	45.6
Wardensville ³	Maximum	80	74	61	79	88	89	80	75	57	57	63	63	66	74	77	86	73	69	80	86	91	93	90	70	71	87	90	93	91	60	68	76.7
	Minimum	41	43	26	27	36	49	56	53	41	46	29	32	27	34	37	48	59	44	36	45	51	49	59	46	34	37	58	56	80	53	54	44.1
Weston	Maximum	82	80	75	82	86	93	92	78	68	60	65	68	70	70	82	88	85	75	81	90	92	94	89	87	80	90	90	93	92	90	84	82.3
	Minimum	45	50	42	38	54	55	64	54	48	45	30	34	30	35	52	69	60	38	39	51	50	54	80	55	35	45	84	62	62	84	60	49.8
Wheeling³	Maximum	80	73	69	77	88	87	74	70	58	62	70	65	69	74	79	83	65	69	80	87	90	90	80	86	75	87	90	91	91	71	82	77.2
	Minimum	47	49	37	35	43	54	62	51	48	42	32	33	34	36	45	58	82	39	42	49	58	61	64	46	38	44	57	68	66	61	58	48.9
Williamson³	Maximum	84	80	80	85	88	94	77	77	58	65	69	70	71	77	90	91	72	78	89	95	96	99	89	78	86	90	94	97	95	87	88	83.5
	Minimum	49	50	44	41	46	51	64	57	52	49	43	41	37	39	47	55	66	48	45	47	52	53	59	55	46	48	62	61	64	64	67	51.6

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	....	.080	.188	.211	.306	.217	.076	.094	.052	.060	.167	.174	.122	.167	.067	.270	.236	.155	.055	.171	.220	.190	.191	.266	.193	.186	.238	.254	.279	.155	5.388
	Wind movement	20	12	102	24	49	56	25	37	42	106	38	53	38	28	37	58	93	84	21	9	26	13	15	59	54	21	66	68	54	70	16	1,394
Wardensville	Evaporation	.216	.187	.288	.197	.216	.308	.234	.185	.234	.164	.149	.239	.224	.186	.193	.149	.253	.159	.221	.211	.196	.218	.268	.246	.288	.200	.251	.337	.328	.329	.047	6.921
	Wind movement	32	40	83	25	37	58	62	69	43	103	74	46	44	34	35	28	78	79	41	23	17	22	36	72	72	37	63	61	58	88	39	1,599

³ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 7-9-41—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., JUNE 1941 No. 6

GENERAL SUMMARY

Following six consecutive months of precipitation deficiencies, the past month was the third wettest June of record. The bulk of the rainfall occurred in the first two decades. All stations except those on the extreme southwest and extreme southeast borders and a few in the eastern counties reported precipitation in excess of the normal. The excess ranged up to 6.06 inches at St. Marys. Heavy to excessive rains in the second week caused considerable damage to crops on the bottom lands in the northwestern basins. Much damage was caused by flood waters at Hundred, West Virginia, on June 3d. About a dozen business houses and as many homes were affected. Stages in Fish Creek, Fishing Creek, and Middle Island Creek were the highest since 1913. Other communities affected by the high water were Mannington, Cameron, Littleton and Pine Grove.

Temperature means were above normal at most stations. However, a few stations in the eastern counties reported mean temperatures slightly below normal. The 6–7th and the 11th and 17th were the cool periods, while the third decade was warm.

Farm crops generally made good growth during the month. The first cutting of the meadows was very light due to previous near drought conditions. Wheat was also adversely affected. The close of the month saw most crops at about normal advancement and in good condition with farm work about up to date.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 62 stations, was 70.1°, or 0.4° above the normal. The mean for the northeastern panhandle division was 68.8°; for the northern division, 69.9°; and for the southern division, 70.8°. The highest monthly mean was 75.8° at Huntington and the lowest, 60.5° at Alpena. The highest temperature was 101° at Huntington on the 28th, and the lowest, 31° at Bayard on the 11th. The greatest daily range was 48° at McNeill on the 7th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 6.03 inches, or 1.56 inches above the normal. In the northeastern panhandle division the average was 4.80 inches; in the northern division, 7.35 inches; and in the southern division, 4.53 inches. The greatest monthly precipitation was 10.39 inches at Hastings and the least, 2.79 inches at Branchland. The greatest amount in any 24 consecutive hours was 3.71 inches at Brandonville on the 4th. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	10	2	..	1	17	7	..	9	1	2	1	..	4	..	..	4	7	16	20	17	17	15	17	12	2	3	..	2	3	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	..	1	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	1	3	1	3	..	1	..	..	..	..	..	3	2	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	12	8	11	13	3	..	3	4	2	2	2	13	17	10	17	2	8	2	1	1	2	2	15	6	..	..	3	4	15	11	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.97	30.26	20	29.59	4	5.7	22	w.	13	81	55	68	61
Columbus, Ohio	29.96	30.25	21	29.55	4	8.0	39	sw.	13	81	54	64	59
Elkins	30.01	30.30	21	29.55	4	4.7	22	nw.	13	91	58	75	59
Huntington Airp't	29.97	30.25	21	29.57	4	......	22	w.	13	83	50	67	....
Parkersburg	29.97	30.26	21	29.55	4	4.6	32	w.	12	82	53	68	62
Pittsburgh, Pa	29.98	30.26	21	29.49	4	8.7	35	nw.	7	78	53	59	55

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	......	......	3.40	5.40	4.97	5.02	......	......	......	......	......
1892	74.1	99	41	4.30	3.85	3.77	3.90	......	......	......	......	......
1893	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	......	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	......	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	......	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	......	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	......	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	......	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	......	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	......	9	18	8	4
1914	72.0	100	30	3 12	3.63	2.03	3.00	......	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	......	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.51	4.66	......	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	......	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	......	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	......	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	......	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	......	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934	**74.3**	106	41	2.94	3.88	3.07	3.45	......	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	......	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	......	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	......	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	......	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	......	14	11	10	9
Period	69.7	109	27	3.95	4.62	4.42	4.47	......	11	13	10	7

Climatological Data for June 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	62.6	−0.9	86	22	31	11	43	6.35	+1.22	1.57	0.0	11	17	8	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	67.8	+.8	95	29	40	11	43	4.27	+.39	1.48	.0	12	18	0	12	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	52	....	....	....	....	....	....	....	3.19	−.46	.98	.0	11	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	9	71.0	....	96	30	45	11	38	4.39	....	1.53	.0	9	13	8	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	70.3	−1.6	94	30	46	11	40	4.89	+1.26	1.81	.0	13	14	9	7	s.	University Exper. Station
Martinsburg	Berkeley	435	49	71.6	+.6	97	30	49	§6	38	4.27	+.13	1.90	.0	14	16	9	5	w.	Dr. H. S. Gardner
McNeill	Hardy	800	45	68.4	+.6	95	§21	35	11	48	6.21	+2.61	1.49	.0	13	11	9	10	w	R. E. Saville
Piedmont	Mineral	1,053	28	68.6	+.5	90	§22	43	11	38	5.84	+1.84	1.70	.0	9	8	10	12	s.	C. A. Suter, Jr.
Romney	Hampshire	824	43	69.4	−.5	95	30	41	11	44	4.50	+.68	1.70	.0	11	19	5	6	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	....	....	....	....	....	....	....	6.81	....	1.34	.0	14	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	21	....	....	....	....	....	....	....	6.09	+2.07	1.95	.0	12	2	15	13	w.	A. C. Becker
Wardensville	Hardy	1,200	20	68.4	+2.9	92	30	40	11	39	3.32	+.32	1.22	.0	15	8	15	7	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	....	....	....	....	....	....	....	7.93	+3.57	1.94	.0	12	5	16	9	....	L. Esle Bond
Alpena	Randolph	2,571	10	60.5	−3.4	81	30	38	6	32	7.37	+1.90	1.34	.0	16	10	10	10	....	Christian Hertig
Benson	Harrison	1,080	17	70.4	+2.2	97	28	45	6	40	6.73	+2.42	1.85	.0	13	10	16	4	....	R. D. Marts
Bens Run	Pleasants	652	39	72.8	+2.0	87	19	52	9	30	8.16	+3.94	2.76	.0	14	17	5	8	....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	....	....	....	....	....	....	....	9.76	....	3.71	.0	13	....	....	....	....	James I. Galloway
Brownsville	Lewis	1,032	18	70.6	+1.1	94	§28	47	§6	40	8.18	+3.87	2.95	.0	14	10	15	5	....	M. D. Hawkins
Buckhannon	Upshur	1,411	44	69.4	+1.0	87	28	48	6	33	10.07	+5.36	2.02	.0	15	14	9	7	....	H. A. Darnall
Cairo	Ritchie	680	40	71.6	+1.3	95	29	46	6	38	6.90	+2.39	2.00	.0	14	14	12	4	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	70.6	+1.2	97	28	47	6	38	6.30	+2.03	1.26	.0	12	12	9	9	....	Clarksburg Water Board
Crawford	Lewis	1,107	18	....	....	....	....	....	....	....	7.55	+2.78	1.98	.0	14	11	13	6	sw.	George W. Blair
Creston	Wirt	640	39	71.4	+.7	95	28	49	6	37	5.00	+.62	.95	.0	13	12	9	9	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	....	....	....	....	....	....	....	7.47	+3.13	2.66	.0	12	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	25	....	....	....	....	....	....	....	7.85	+4.02	1.71	.0	15	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	20	....	....	....	....	....	....	....	6.49	+2.50	2.43	.0	12	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	25	....	....	....	....	....	....	....	6.40	+2.48	1.73	.0	15	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	....	....	....	....	....	....	....	8.60	+4.61	1.37	.0	17	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	....	....	....	....	....	....	....	7.86	+3.65	2.00	.0	13	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	40	67.7	+.8	88	26	45	11	38	8.01	+2.95	2.22	.0	16	6	12	12	n.	U. S. Weather Bureau
Fairmont	Marion	883	35	71.8	+1.5	99	28	48	6	39	6.14	+1.73	2.18	.0	12	17	8	5	w.	J. C. Robinson
Glenville	Gilmer	738	47	73.7	+2.6	98	28	50	6	36	8.29	+3.90	1.57	.0	13	8	10	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	70.6	+1.5	97	29	45	§6	39	7.40	+3.27	2.14	.0	14	15	10	5	....	L. W. Clayton
Grantsville	Calhoun	900	..	....	....	....	....	....	....	....	5.85	....	1.88	.0	10	10	16	4	w.	James Roberts
Hastings	Wetzel	809	6	....	....	....	....	....	....	....	10.39	....	2.84	.0	15	10	12	8	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	18	....	....	....	....	....	....	....	8.32	+4.25	2.30	.0	17	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	70.2	+2.6	94	28	48	6	35	7.11	+2.78	3.00	.0	13	10	10	10	w.	Chas. H. Washburn
Mannington	Marion	974	38	68.6	+.8	91	28	44	§6	37	9.01	+4.73	2.30	.0	13	14	7	9	sw.	James A. Morgan
Middlebourne	Tyler	....	..	....	....	....	....	....	....	....	8.19	....	3.20	.0	13	14	8	8	....	L. A. Crumrine
Morgantown	Monongalia	1,300	48	70.6	+1.3	93	28	48	11	32	8.73	+4.49	2.60	.0	9	17	4	9	sw.	Bruce Davis
New Cumberland	Hancock	671	43	72.4	+4.2	97	28	49	6	38	5.45	+.90	1.43	.0	10	12	2	16	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	73.6	+2.5	100	28	50	§6	38	9.73	+5.62	3.25	.0	14	19	5	6	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	72.6	+1.2	96	28	51	6	31	6.10	+2.10	2.21	.0	14	11	6	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	68.0	+1.1	90	27	43	11	39	6.12	+1.13	1.17	.0	14	....	....	....	....	D. A. Oliver
Philippi	Barbour	1,300	44	....	....	....	....	....	....	....	8.03	+3.34	1.94	.0	16	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	64.8	−.1	87	30	39	§6	41	5.85	−.05	1.00	.0	13	13	9	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	....	....	....	....	....	....	....	7.20	+2.89	1.50	.0	13	13	6	11	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	....	....	....	....	....	....	....	6.47	+1.10	1.93	.0	14	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	33	....	....	....	....	....	....	....	10.23	+6.06	3.30	.0	13	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	40	64.8	+.1	87	28	37	11	39	8.66	+2.48	1.85	.0	16	14	9	7	w.	Earl Lee
Thomas	Tucker	3,000	12	....	....	....	....	....	....	....	7.73	+2.62	1.94	.0	15	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	18	....	....	98	29	....	....	....	6.41	+2.66	1.75	.0	14	11	9	10	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	70.2	+2.2	97	28	37	11	44	7.20	+3.06	1.66	.0	12	16	7	7	....	George P. Pfister
West Milford	Harrison	979	16	....	....	....	....	....	....	....	6.89	+2.62	2.01	.0	11	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	46	72.6	+2.2	95	28	49	§6	41	8.34	+4.00	1.72	.0	16	2	25	3	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	71.4	+.8	96	28	46	11	34	6.43	+2.54	1.06	.0	12	15	5	10	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	....	....	....	....	....	....	....	3.48	−.27	1.28	.0	14	8	13	9	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	67.8	+.4	88	§21	44	6	37	5.07	+.66	1.03	.0	16	9	17	4	....	L. A. Mauck
Bluefield	Mercer	2,558	46	^{c}69.2	−.9	86	2	49	6	32	4.72	+.49	1.09	.0	14	10	9	11	....	Norfolk & Western Ry.
Charleston	Kanawha	602	38	74.4	−2.5	97	28	56	§5	31	5.33	+.94	1.53	.0	15	....	....	....	....	Charleston Daily Mail
Clay	Clay	790	25	....	....	....	....	....	....	....	5.24	+.73	1.59	.0	15	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,270	3	64.8	....	83	29	43	6	34	3.08	....	.52	.0	15	2	17	11	sw.	U. S. Airway Station
Gary	McDowell	1,426	25	71.0	+1.7	90	§2	49	§6	39	5.19	+.12	.88	.0	19	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	74.2	....	98	30	50	6	35	3.25	....	.88	.0	10	9	13	8	sw.	State Forest Nursery
Hinton	Summers	1,431	44	72.9	+2.4	98	21	50	7	43	3.16	−1.14	.93	.0	16	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	25	....	....	....	....	....	....	....	5.89	+1.86	2.87	.0	11	....	....	....	....	Lockmaster
Huntington	Cabell	571	44	75.8	+2.9	101	28	53	6	34	3.07	−1.16	1.04	.0	13	6	18	6	sw.	H. N. Robinson
Institute	Kanawha	606	3	72.8	....	97	28	51	6	38	3.70	....	.82	.0	14	....	....	....	....	Civil Aero. Administrati
Kayford	Kanawha	1,335	25	....	....	....	....	....	....	....	7.88	+2.69	1.40	.0	14	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	68.0	+.8	87	§20	46	6	35	3.04	−.90	.62	.0	18	3	12	15	....	J. K. Monroe
Logan	Logan	700	38	75.2	+1.6	94	§7	54	§6	40	5.72	+.83	1.52	.0	15	8	9	13	....	Paul A. Simonds
London Locks	Kanawha	623	5	73.6	....	94	§27	55	6	34	5.22	....	1.06	.0	15	11	11	8	se.	Lockmaster
Madison	Boone	675	20	73.4	+1.1	94	§7	53	§6	35	4.13	−.03	.73	.0	11	18	3	9	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	68.6	+4.3	92	21	44	18	40	....	....	....	.0	..	2	14	14	s.	Edward A. Moore
Point Pleasant	Mason	595	42	72.6	+.2	97	28	50	6	36	5.31	+1.23	1.30	.0	13	13	12	5	s.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	^{a}65.7	+.2	88	§21	43	18	40	5.44	+.34	.64	.0	19	9	10	11	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	73.1	+2.6	98	29	49	6	35	7.38	+3.24	1.71	.0	15	10	3	17	se.	Lockmaster
Richwood	Nicholas	2,193	11	67.8	−.6	89	§20	42	18	37	5.61	+.52	1.26	.0	19	7	10	13	se.	Cherry River Paper Co.
Ryan	Roane	700	38	70.2	+1.4	95	§22	46	6	38	4.74	+.09	1.01	.0	11	12	9	9	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	65.5	....	92	30	37	6	42	3.89	....	.80	.0	14	11	18	1	....	Supt., State Forest
Spencer	Roane	789	37	72.1	+2.4	95	28	49	6	34	5.21	+.70	1.13	.0	13	5	15	10	....	A. M. McKown
Summersville	Nicholas	....	..	....	....	....	....	....	....	....	....	....	....	..	..	....	....	....	....	A. E. Dorsey
Sutton	Braxton	850	35	72.6	+1.3	96	§28	49	6	41	6.70	+1.74	1.34	.0	12	....	....	....	....	C. B. Eakle
Union	Monroe	2,200	37	68.2	+.4	91	22	40	6	43	4.11	+.12	1.00	.0	15	15	4	11	....	C. B. King
Wayne	Wayne	598	14	....	....	....	....	....	....	....	3.43	−.59	1.36	.0	12	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	70.0	+2.0	90	§21	48	§6	39	4.25	+.27	.70	.0	16	9	10	11	....	White Sulphur Spgs., inc
Williamson	Mingo	673	41	75.5	+2.9	98	28	54	6	38	2.84	−1.93	.71	.0	13	11	13	6	nw.	J. E. Dotson
Winfield Locks	Putnam	571	3	74.1	....	96	30	54	6	34	4.80	....	1.60	.0	12	15	4	11	w.	Lockmaster
State averages and extremes		....	....	70.1	+.4	101	28	31	11	48	6.03	+1.56	3.71	.0	14	11	10	9	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period o record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. ‖ Incomplete.

Daily Precipitation for June 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	T.	.33	.50	1.57	.36	T.	....	T.	....	T.	....	T.	1.37	.33	.23	.26	....	.70	....	....	....	....	....	T.	....	....	....	....	.37	.33	....	6.35
Brandywine	do	.16	....	1.48	.20	.02	....	....	T.	....	T.	....	.13	.25	.50	.36	.02	.20	....	....	....	....	....	T.	....	....	....	T.	T.	.75	.20	....	4.27
Brushy Run[2]	do	.03	.03	1.06	.90	.12	....	....	T.	....	T.	....	.08	.79	.57	.01	.15	....	.06	....	....	....	....	.06	....	....	....	....	....	.07	.33	....	4.26
Harpers Ferry[2]	do	.02	.11	....	.98	.33	.13	....	....	....	....	....	.07	.32	.26	.14	....	....	....	T.	....	....	....	....	.77	....	....	....	....	....	.06	....	3.19
Inwood	do	.57	....	.29	1.53	.23	....	....	....	....	....	....	.15	.20	....	.39	....	.25	....	....	....	....	....	....	.78	....	....	....	....	T.	....	....	4.39
Kearneysville	do	.05	.04	.40	1.81	.24	....	....	....	....	....	....	.12	.28	.07	.23	....	.97	....	....	....	....	....	....	.31	....	....	....	.36	.01	....	....	4.89
Knobly Mountain[2]†	do	.02	.08	.30	2.25	.10	....	....	....	....	....	....	....	.35	....	T.	T.	....	.62	T.	....	....	....	....	.22	T.	....	....	....	....	T.	....	3.94
Martinsburg[2]	do	.05	.20	.05	1.90	.40	.05	....	....	....	....	....	.15	.20	.10	.05	.12	....	.05	.15	....	....	....	....	.80	....	....	....	....	....	T.	....	4.27
McNeill	do	.12	.10	1.49	.77	.10	....	....	T.	....	....	....	T.	.77	.04	T.	....	.11	.12	....	....	....	....	.03	....	....	....	....	.72	.79	1.05	....	6.21
Petersburg	do	.47	.39	1.70	.43	.02	....	....	....	....	....	....	....	1.02	....	.05	.02	.25	....	....	....	....	....	.06	....	....	....	....	.08	....	.01	....	4.50
Piedmont	do	.12	....	1.67	1.70	.03	....	....	....	....	....	....	.58	.81	....	.62	....	.30	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	5.84
Romney	do	.10	....	1.70	.85	.20	....	....	....	....	....	....	.20	.50	....	.20	....	.30	....	....	....	....	....	....	.10	....	....	....	....	.05	.30	....	4.50
Spruce Knob[2]†	do	T.	.48	1.04	.82	.41	.18	....	.07	.13	....	....	.19	.59	.38	....	.18	T.	T.	....	....	....	....	T.	.28	....	....	....	....	.81	1.34	....	6.81
Stony River Dam[2]†	do	.25	.62	.68	1.95	.40	.05	....	....	....	....	....	.55	.55	.34	....	....	....	.42	....	....	....	....	....	....	....	....	....	....	.20	.08	....	6.09
Wardensville[2]	do	.02	.11	.47	1.22	.09	.01	....	....	....	....	....	.01	.18	.29	.06	.21	....	.11	....	....	....	....	.01	T.	....	....	....	....	.43	.10	....	3.32
Northern Division																																	
Aberdeen†	West Fork	.57	.09	1.94	1.37	.69	....	....	.02	....	....	....	.37	.51	T.	.47	T.	.29	....	....	....	....	....	T.	1.25	....	....	....	....	....	.36	....	7.93
Alpena	Cheat	.62	.10	1.34	1.22	.50	....	....	.09	....	....	....	.38	.83	....	.30	.42	.10	.16	....	....	....	....	.02	....	....	....	....	.90	.02	.37	....	7.37
Belington[2]	Tygart	.11	.72	.85	1.43	.59	.08	....	.01	....	T.	....	.08	.24	.30	.08	.24	.14	.45	....	....	....	....	....	.57	....	....	....	....	....	.49	....	6.38
Benson†	West Fork	.70	.20	1.85	1.85	.38	....	....	....	....	....	....	.08	.68	.08	.30	.20	.20	....	....	....	....	....	....	....	....	....	....	....	.05	.16	....	6.73
Bens Run	Ohio	1.00	.05	1.96	2.76	.09	....	....	.25	....	....	.12	.82	.27	.13	.37	.15	.17	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	8.16
Big Skin Creek†	West Fork	.57	.04	1.71	1.40	.33	....	....	.09	....	....	....	.69	.10	.02	.26	.12	.08	....	....	....	....	....	1.00	....	....	....	....	.08	T.	.35	....	6.84
Brownsville†	do	.81	.10	1.45	1.34	.14	....	....	.04	....	....	....	.29	.49	.02	.29	.09	.04	....	....	....	....	....	....	2.95	....	....	....	....	....	.13	....	8.18
Buckhannon	Tygart	.75	.10	2.02	1.46	.32	....	....	.13	....	.08	....	.38	.20	....	.30	.32	.82	....	....	....	....	....	.78	....	....	....	....	....	1.02	1.39	....	10.07
Cairo	Litl.Kanawha	1.50	.23	1.05	2.00	.15	....	....	.15	....	.03	....	.16	.32	.30	.26	.10	.13	....	....	....	....	....	....	....	....	....	....	....	....	.52	....	6.90
Clarksburg[2]	West Fork	.22	.50	1.26	1.00	.52	T.	....	T.	....	....	....	.01	.96	.03	.14	.85	....	1.19	....	....	....	....	....	....	....	....	....	....	....	.12	....	6.30
Crawford	do	.54	.02	1.48	1.98	.35	....	....	.12	....	.01	....	.21	.23	T.	.72	.03	.63	....	....	....	....	....	.20	....	....	....	....	....	....	1.03	....	7.55
Creston[2]	Litl.Kanawha	.53	.95	.65	.90	.93	....	....	.01	.05	T.	T.	.20	.25	....	.43	.05	....	.03	....	....	....	....	....	....	....	....	....	....	....	.02	....	5.00
Dailey[2]†	Tygart	.05	.50	.51	1.09	.17	.06	....	T.	.10	T.	....	.13	.37	.11	.03	.42	.10	.26	....	....	....	....	....	.06	....	....	....	....	....	.27	....	4.23
Dam 10, Mon. R.[2]†	Monongahela	.01	.97	.30	2.66	1.55	....	....	T.	....	.03	....	.01	.83	.01	....	.06	....	.92	....	....	....	....	....	.12	....	....	....	....	....	T.	....	7.47
Dam 13, O. R.[2]†	Ohio	.15	.57	.03	1.12	1.71	....	....	.63	....	.03	....	.25	.83	.58	.01	.58	.01	.42	....	....	....	....	....	....	....	....	....	....	....	.93	....	7.85
Dam 15, Mon. R.[2]†	Monongahela	.03	.50	.77	2.43	.84	.02	....	....	....	T.	....	....	1.10	.02	.02	.06	....	.66	....	....	....	....	....	....	....	....	....	....	....	.04	....	6.49
Dam 19, O. R.[2]†	Ohio	.75	.24	.82	1.73	.37	T.	....	.16	....	.17	T	.26	.54	.19	.02	.76	.04	.15	T.	....	....	....	....	....	....	....	....	....	....	.20	....	6.40
Dam 20, O. R.[2]†	do	1.37	.80	.77	.80	.46	.01	....	.04	T.	.15	.06	.19	.39	.42	.78	.92	.02	.42	....	....	....	....	....	....	....	....	....	....	....	1.00	....	8.60
Elizabeth (Dam 3)[2]	Litl.Kanawha	T.	1.60	.75	2.00	.28	....	....	T.	....	.07	T.	.14	.54	.56	.90	.78	.08	.06	....	....	....	....	....	....	....	....	....	....	....	.10	....	7.86
Elk†	West Fork	1.30	.60	1.60	1.80	.40	....	....	.07	....	....	....	.20	.63	.10	....	....	.30	....	....	....	....	....	.63	....	....	....	....	....	....	.83	....	8.46
Elkins[1]‡	Tygart	.50	.02	1.68	1.25	.20	....	....	.06	....	T	.10	1.28	.42	T.	.54	.27	.07	T.	....	....	....	....	.04	....	....	....	....	.40	.90	.28	....	8.01
Fairmont[2]	Monongahela	T.	.77	1.02	2.18	.37	....	....	....	....	T.	....	.09	1.02	....	.02	.10	.17	.33	....	....	....	....	....	.02	....	....	....	....	....	.05	....	6.14
Glenville[2]	Litl.Kanawha	.84	1.11	1.48	1.57	.85	....	....	....	....	.08	....	.83	.39	T.	.32	.33	.12	.14	....	....	....	....	....	....	....	....	....	....	....	.23	....	8.29
Grafton	Tygart	1.10	.40	....	2.14	.37	....	....	.02	....	.01	....	.53	1.01	.04	.16	.12	.10	.03	....	....	....	....	....	....	....	....	....	....	....	1.37	....	7.40
Hackers Creek†	West Fork	.80	.45	3.10	1.13	.31	....	....	....	....	....	....	.67	.05	.12	.15	....	.05	....	....	....	....	....	....	.21	....	....	....	....	....	.45	....	7.49
Hall[2]	Tygart	.08	.85	1.04	1.58	.61	.01	....	T.	....	....	....	.09	.35	.25	.41	.09	.36	.94	....	....	....	....	....	.03	....	....	....	.13	....	.96	....	7.78
Harrison Co. Airport[2]	West Fork	.15	.55	.96	1.08	.58	....	....	....	....	....	....	T.	1.37	T.	.12	.23	T.	.37	....	....	....	....	....	.60	....	....	....	....	....	.41	....	6.42
Hastings	Ohio	.99	.30	2.00	2.84	.70	....	....	.18	....	.02	....	.77	.45	.15	.29	.15	1.50	.02	....	....	....	....	....	....	....	....	....	....	....	.03	....	10.39
Horner	West Fork	.55	.35	1.80	1.50	.32	....	....	.10	....	....	.05	.50	.35	....	.55	.15	....	....	....	....	....	....	....	.60	....	....	....	....	....	.35	....	7.17
Ireland	do	.14	.26	.74	1.86	....	....	....	.12	....	....	....	.32	.56	....	.91	.39	.30	....	....	....	....	....	.75	....	....	....	....	....	....	.32	....	6.67
Jane Lew	do	.55	.44	2.30	1.78	.58	.01	....	.01	....	T	....	.56	.13	.42	.20	.01	.06	.02	....	....	....	....	.06	.26	....	....	....	....	....	.93	....	8.32
Kumbrabow St. For.†[2]	Tygart	.20	1.16	.60	.55	.66	....	T.	....	....	.15	.17	.23	.30	.12	.43	.47	.31	....	....	....	....	....	....	....	....	....	....	.02	.41	.72	....	6.50
Lost Creek (near)	West Fork	.77	.30	3.00	.78	.25	....	....	....	....	....	....	.65	.06	.21	.10	.22	.11	....	....	....	....	....	.03	....	....	....	....	....	T.	.63	....	7.11
Mannington	Monongahela	.35	.31	2.15	1.94	.38	....	....	....	....	.01	....	.98	.03	.05	.33	.03	2.30	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	9.01
Middlebourne	Middle Is.Creek	.25	.56	.95	3.20	1.42	....	....	.13	....	T.	....	.19	.34	.37	.27	.25	T.	.22	....	....	....	....	....	....	....	....	....	....	....	.04	....	8.19
Midvale[2]†	Tygart	.06	.50	.76	1.22	1.21	.12	....	.07	.08	....	....	.07	.47	.64	.07	.44	.07	.57	....	....	....	....	....	.05	....	....	....	....	....	.75	....	7.15
Morgantown	Monongahela	.20	1.10	2.00	2.60	T.	....	....	....	T.	T.	....	.68	.40	T.	.30	T.	.90	....	....	....	....	....	.55	....	....	....	....	....	T.	....	....	8.73
Mt. Clare	West Fork	.52	.47	2.17	.82	.61	....	....	....	....	....	....	1.00	.10	.11	.30	.15	.30	....	....	....	....	....	.38	....	....	....	....	....	....	.70	....	7.63
New Cumberland	Ohio	.74	....	.25	1.43	....	....	.66	....	....	....	....	.36	.41	....	.38	.12	....	....	....	....	....	....	....	....	....	....	....	1.02	.08	....	....	5.45
New Martinsville	do	1.28	.25	1.74	3.25	.09	....	....	.16	....	.02	....	.70	1.03	.34	.37	.03	.38	....	....	....	....	....	....	....	....	....	....	....	.09	....	....	9.73
Parkersburg[1]‡	do	.74	.02	2.21	.54	T.	....	.33	....	T.	.01	.06	.56	.30	.18	.95	.02	.14	....	....	....	....	....	T.	....	....	....	....	....	.04	....	....	6.10
Parsons	Cheat	.39	.13	1.17	.96	.17	....	....	.05	....	....	....	.19	.78	....	.63	.49	.36	.15	....	....	....	....	.08	....	....	....	....	....	....	.57	....	6.12
Philippi[2]	Tygart	.09	.43	.87	1.94	.75	.03	....	.02	....	T	....	.03	.62	.16	.09	.60	T.	.49	....	....	....	....	....	.11	....	....	....	.14	....	1.66	....	8.03
Pickens	do	.64	.10	.72	1.00	.96	....	....	....	....	....	....	.49	.53	.03	.56	.36	.13	....	....	....	....	....	.17	....	....	....	....	....	.16	....	....	5.85
Roanoke	West Fork	.68	.03	1.40	1.50	.36	....	.03	....	....	....	T.	.58	.12	....	.30	.10	.20	....	....	....	....	....	....	1.41	....	....	....	....	....	.49	....	7.20
Rockford†	do	.88	.30	3.12	.98	.32	....	....	....	....	....	....	.65	.05	.66	.17	.05	.15	....	....	....	....	....	.38	....	....	....	....	....	....	.56	....	8.27
Rowlesburg[2]	Cheat	....	.52	.77	1.93	.76	.03	....	....	....	.03	....	T.	1.18	.23	.03	.20	.04	.47	....	....	....	....	....	.23	....	....	....	....	....	.05	....	6.47
Saint Marys[2]	Ohio	.70	1.36	.85	3.30	.62	....	....	.20	....	....	....	.60	.68	.20	.08	1.20	.16	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	10.23
Salem	West Fork	.70	.95	1.80	1.55	.36	....	....	....	....	....	....	1.23	T.	.09	.15	.10	.29	....	....	....	....	....	....	.05	....	....	....	....	....	.10	....	7.37
Shinnston	do	1.31	T.	2.27	1.40	.31	....	.05	....	....	....	....	1.15	.05	....	.20	....	.80	....	....	....	....	....	.05	....	....	....	....	....	....	.15	....	7.74
Terra Alta†	Cheat	.13	.60	1.85	1.48	.47	....	....	.14	....	.07	....	.56	.65	.07	.06	.26	.72	74	....	....	....	....	.64	....	....	....	....	....	....	.22	....	8.66
Thomas[2]	do	T.	.84	.77	1.94	.50	.09	....	....	....	....	....	....	.44	.58	.16	.45	.03	.25	....	....	....	....	....	.07	....	....	....	.17	.38	1.06	....	7.73
Valley Chapel	West Fork	.43	.10	1.75	1.50	.55	....	....	....	....	.02	....	.55	.17	.17	.25	.02	.01	T.	....	....	....	....	....	.46	....	....	....	....	....	.43	....	6.41
Valley Head[2]	Tygart	.03	.53	.40	.55	.23	.04	....	T.	.16	....	....	.04	.10	.70	.08	.31	.03	....	....	....	....	....	....	.65	....	....	....	....	T.	.36	....	4.21
Vandalia†	West Fork	.41	....	1.53	1.20	.25	....	....	.08	....	....	....	.38	.18	....	.61	.05	.34	....	....	....	....	....	.17	....	....	....	....	....	1.45	.09	....	6.74
Wellsburg (near)	Ohio	1.11	....	.46	1.66	.38	....	....	.58	....	....	....	.86	.67	.16	.48	.31	.26	....	....	....	....	....	....	....	....	....	....	....	....	.27	....	7.20
West Milford	West Fork	.52	.42	2.01	1.02	.42	....	....	....	....	....	....	.52	.22	.12	.40	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	1.12	....	6.89
Weston[2]	do	.38	.85	1.61	1.72	.71	.06	....	.04	....	.06	....	.07	.76	.11	.12	.04	....	.04	....	....	....	....	....	1.45	....	....	....	....	....	.32	....	8.34
Wheeling (Dam 12)[2]	Ohio	.15	.83	T.	.98	.69	....	....	.48	....	.04	....	.85	1.06	.54	.10	.36	T.	....	....	....	....	....	....	....	....	....	....	....	....	.35	....	6.43
Southern Division																																	
Arbovale[2]	Greenbrier	.06	.37	....	1.28	.22	....	....	....	.09	....	T.	....	.24	.22	.38	T.	.04	.02	....	....	....	....	....	.10	....	....	....	.01	.15	.30	....	3.48
Beckley	New	.14	.33	.29	.30	.24	....	....	.27	.19	.55	.49	....	1.03	.28	....	....	.07	....	....	....	....	....	....	.22	....	....	....	.21	.02	.44	....	5.07
Bluefield	New	....	1.09	.35	.69	.17	....	....	*	.57	.08	.38	.03	....	....	....	....	.96	....	....	....	....	....	.03	.22	....	....	....	.15	....	*	....	4.72
Camden-on-Gauley[2]	Gauley	.33	.98	.38	.60	.76	.11	....	.08	....	.08	.15	.25	.10	.61	....	.28	.03	T.	....	....	....	....	....	1.04	....	....	....	....	.05	.15	....	5.98
Charleston[2]	Gr. Kanawha	1.53	.70	.62	.27	.31	....	....	....	....	....	.36	.76	.10	.11	.06	.20	.02	.05	....	....	....	....	....	.09	....	....	....	....	....	.15	....	5.33
Clay[2]	Elk	.36	1.59	.35	.88	.38	....	....	....	....	.05	.17	.37	.05	.04	.06	.12	.01	....	....	....	....	....	....	.43	....	....	....	....	....	.38	....	5.24
Flat Top[2]	New	....	.27	.22	.39	.13	....	....	.32	.25	.20	.48	.05	.26	T.	.08	....	.29	....	....	....	....	....	.01	....	....	....	T.	.04	....	.09	....	3.08
Gary[2]	Big Sandy	T.	.08	.88	.03	.58	....	....	.32	.09	.02	.27	.45	.36	.03	.04	.35	.17	....	....	....	....	....	.03	.19	....	....	....	.11	.83	.36	....	5.19
Greenbottom[2]†	Ohio	.88	.44	.33	.28	T.	....	....	....	....	.66	.03	T.	T.	.06	.49	T.	....	....	....	....	....	....	....	....	....	....	....	....	.06	.02	....	3.25
Hinton[2]	New	....	....	.68	.05	.08	....	T.	.15	.15	.12	.22	.21	.20	....	.03	.02	.13	....	....	....	....	....	....	.08	....	....	....	.04	.93	.07	....	3.16
Hogsett[2]	Ohio	2.87	.55	.57	.18	.19	....	....	....	....	....	.85	.12	T.	.09	.25	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	5.89
Huntington	do	.15	.92	.20	.01	....	....	....	....	.03	.18	.18	.13	.02	.23	.81	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	.01	....	3.07
Institute[2]	Gr. Kanawha	.70	.30	.82	.31	.07	....	....	.04	....	.51	.27	.28	.04	T.	.11	T.	T.	....	....	....	....	....	.03	....	....	....	....	....	.02	.20	....	3.70
Kayford[2]	do	.09	.78	1.24	.25	.46	....	....	....	....	....	1.40	1.25	.46	.31	.09	.80	.06	....	....	....	....	....	....	....	....	....	....	.02	....	.67	....	7.88
Lewisburg	Greenbrier	.20	.27	.22	.04	.07	....	....	.27	.34	.26	.04	.07	.14	.01	.03	T.	.07	....	....	....	....	....	.07	....	....	....	....	.07	.25	.62	....	3.04
Logan[2]	Guyandot	.30	....	.53	.01	.30	....	....	.05	.02	1.52	.23	.80	.02	.33	.60	.30	T.	....	....	....	....	....	....	.35	....	....	....	T.	....	.36	....	5.72
London Locks[2]†	Gr. Kanawha	.59	1.06	.33	.31	1.02	T.	....	.09	.04	....	.44	.59	.06	.43	.02	.12	.07	....	....	....	....	....	....	T.	....	....	....	....	....	.05	....	5.22
Madison[2]	Coal	....	.09	.05	.07	.62	....	....	.15	....	....	.70	....	....	.73	....	.40	.11	....	....	....	....	....	....	.51	....	....	....	....	....	.70	....	4.13
Marlinton	Greenbrier	.12	.30	1.27	.48	.02	....	....	....	....	.05	.02	.27	.35	....	.01	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	‖
Point Pleasant[2]	Ohio	1.30	.44	.87	.37	.15	....	....	....	.28	....	.24	.13	.15	.30	.48	.26	....	....	....	....	....	....	....	....	....	....	....	....	....	.34	....	5.31
Princeton[2]	New	.01	T.	.67	.07	.27	T.	....	.15	.40	.01	.20	.15	.35	T.	T.	.25	.01	T.	....	....	....	....	.01	.17	.01	....	....	....	.82	.46	....	4.01
Rainelle	Greenbrier	.25	.45	.33	.64	.34	....	....	.29	.27	.42	.25	.05	.32	.55	.06	.02	T.	....	....	....	....	....	.49	.04	....	....	....	*	.44	.23	....	5.44
Ravenswood[2]	Ohio	1.71	.61	1.69	58	.30	....	....	T.	T.	.18	.10	.32	.10	.35	.24	.61	.01	.05	....	....	....	....	....	....	....	....	....	....	....	.53	....	7.38
Richwood[2]	Gauley	.24	1.26	.60	.17	1.08	.03	T.	.12	.05	.02	.16	.18	.30	.52	.05	.09	.02	....	....	....	....	....	....	.82	....	....	....	....	.02	.38	....	5.61

Continued on next page.

Daily Precipitation for June 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.91	.96	.39	1.01	.07	....	....	....	....	.11	.52	.24	.05	....	....	.44	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	4.74
Seneca State Forest†	Greenbrier	.34	.42	.66	.11	.14	....	....	.08	....	.15	....	.17	.80	....	.04	....	.04	....	....	....	....	....	.27	....	....	....	....	....	.50	.17	....	3.89
Spencer[2]	Litl.Kanawha	....	.45	1.13	.75	.55	....	....	....	.01	.23	.16	.90	.07	....	.37	.48	T.	.03	....	....	....	....	....	....	....	....	....	....	....	.08	....	5.21
Summersville	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sutton	Elk	.92	.10	1.00	.90	.67	....	....	....	....	.09	....	.28	.60	....	1.02	.32	....	....	....	....	....	....	....	.43	....	....	....	....	....	.37	....	6.70
Thornwood[2]	Greenbrier	.55	.30	1.07	.54	.21	....	....	.02	.08	....	....	.20	.09	.60	....	.22	.04	.12	....	....	....	....	.41	.01	....	....	....	....	.70	.32	....	5.48
Union[2]	New	....	....	.35	.02	.25	....	T.	.15	.58	....	.40	.08	.25	.33	....	.12	.05	....	....	....	....	....	....	1.00	....	....	....	.20	.05	.28	....	4.11
Wayne[2]	Twelvepole	....	.13	1.36	....	.11	....	....	....	.11	T.	.17	.06	.33	....	.08	.19	....	....	....	....	....	....	.30	....	....	....	....	....	.09	.50	....	3.43
White Sulp'r Spgs.[2]	Greenbrier	....	.50	.40	....	.15	....	....	.10	.20	.60	.25	.15	.25	.05	....	.05	....	.05	....	....	....	....	....	.70	.05	....	....	....	.20	.55	....	4.25
Williamson[2]	Big Sandy	....	....	.37	.04	.28	....	....	.09	.45	.03	.22	.22	T.	.71	.11	.27	....	....	....	....	....	....	T.	.01	....	....	....	....	....	.04	....	2.84
Winfield Locks[2]†	Gr. Kanawha	1.60	.74	.28	.02	.16	....	....	....	....	.06	.40	.06	.08	....	.63	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	.75	....	4.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. ||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House

Daily Temperatures for June 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	73	75	60	71	70	77	82	78	77	75	75	75	75	72	69	60	67	74	81	85	85	86	85	81	80	85	85	85	85	85	....	77.1
	Minimum	52	54	55	52	50	38	39	42	49	51	31	35	52	45	45	51	46	49	47	45	49	55	58	56	42	43	45	50	58	60	....	48.1
Beckley	Maximum	82	81	76	71	71	78	79	81	79	72	67	81	77	74	71	67	65	76	85	86	88	86	82	83	85	85	88	84	88	86	....	79.1
	Minimum	60	60	61	59	52	44	52	63	63	63	59	57	52	51	50	49	48	47	48	53	55	58	63	55	57	59	61	65	63	64	....	56.4
Bluefield	Maximum	..	86	71	76	71	81	84	..	85	71	68	82	83	79	75	..	71	75	81	85	85	85	..	80	82	83	83	78	83	..	....	79.3
	Minimum	..	62	62	61	52	49	59	..	62	62	61	60	61	57	..	54	52	50	52	58	61	60	..	59	61	65	65	65	..	64	....	59.0
Brandywine	Maximum	82	81	70	84	71	82	88	87	84	83	80	75	80	80	78	76	71	80	88	90	91	90	89	82	85	88	90	91	95	91	....	83.4
	Minimum	52	56	55	55	55	41	45	61	52	56	40	54	58	52	53	47	44	45	48	49	50	52	49	58	54	50	51	62	60	62	....	52.2
Buckhannon	Maximum	74	76	73	78	72	76	83	82	80	75	79	86	79	75	70	70	64	76	86	84	84	84	85	82	85	85	85	87	85	84	....	79.3
	Minimum	65	64	63	63	56	45	51	66	58	55	50	62	62	60	59	55	54	53	54	68	60	61	67	61	52	57	59	65	68	67	....	59.5
Charleston[3]	Maximum	87	84	83	84	80	85	92	88	82	70	74	89	82	81	76	68	74	85	78	93	92	92	90	89	90	92	94	97	94	94	....	85.3
	Minimum	67	67	67	58	56	59	65	65	65	63	65	65	63	61	59	58	56	58	60	64	61	66	65	63	65	64	68	66	68	74	....	63.5
Clarksburg[3]	Maximum	78	74	68	75	76	83	89	85	81	76	84	84	82	75	71	67	71	80	87	89	91	91	88	84	89	92	94	97	93	93	....	82.9
	Minimum	64	62	66	63	57	47	51	57	55	58	48	58	61	57	57	57	55	52	51	55	58	55	64	62	54	65	58	66	68	65	....	58.2
Elkins	Maximum	73	76	66	76	70	78	86	82	77	76	81	81	75	74	70	61	63	75	82	86	86	86	85	82	84	88	87	86	86	86	....	78.8
	Minimum	64	61	60	58	51	46	48	63	57	49	45	59	60	57	56	54	51	53	52	55	57	61	64	59	53	55	55	65	65	65	....	56.6
Fairmont[3]	Maximum	81	77	65	78	79	85	91	89	81	80	84	83	82	78	75	64	70	84	88	91	92	92	88	87	89	91	94	99	92	95	....	84.2
	Minimum	62	64	61	61	56	48	52	63	56	56	49	62	62	58	58	58	55	55	55	59	61	61	65	62	56	58	62	67	72	67	....	59.4
Flat Top	Maximum	78	80	69	69	66	76	80	76	78	71	63	77	74	66	66	63	64	70	78	82	82	81	78	78	78	77	80	82	85	82	....	74.9
	Minimum	61	55	58	56	50	43	46	62	62	61	56	54	58	51	53	51	47	49	46	50	51	53	64	55	52	59	58	62	63	58	....	51.8
Gary[3]	Maximum	82	90	85	79	74	83	88	82	82	74	80	86	82	74	70	71	70	80	86	89	90	90	79	86	88	88	89	83	86	87	....	82.4
	Minimum	60	62	64	64	56	49	49	60	64	64	65	62	64	58	58	56	55	49	52	56	58	59	65	61	61	57	59	65	65	67	....	59.5
Glenville	Maximum	83	84	77	80	80	84	90	88	90	81	84	88	83	79	75	71	73	84	90	92	93	94	93	91	93	94	95	98	96	95	....	86.6
	Minimum	67	66	67	63	57	50	54	67	63	61	52	62	64	57	58	58	56	54	56	58	58	63	66	64	57	60	62	66	69	68	....	60.8
Grafton	Maximum	85	77	77	76	76	79	82	89	87	83	83	88	84	81	77	72	66	80	83	88	91	92	92	91	89	93	91	94	97	93	....	84.6
	Minimum	64	61	59	59	53	45	48	64	53	56	45	59	57	55	56	56	51	51	54	55	58	58	63	60	51	54	58	65	65	63	....	56.5
Huntington	Maximum	90	88	85	83	83	86	92	92	88	77	70	88	83	86	79	71	77	87	89	93	93	93	92	92	92	95	96	101	93	98	....	87.7
	Minimum	67	69	68	67	60	54	58	69	66	62	62	69	68	61	61	60	55	56	57	60	61	64	69	67	62	63	66	71	72	73	....	63.9
Lewisburg	Maximum	82	81	69	75	71	80	85	80	82	74	69	76	77	69	70	64	68	76	83	87	87	87	85	85	83	83	84	83	87	85	....	78.9
	Minimum	60	61	59	55	54	46	50	63	61	62	56	55	61	53	54	52	49	48	49	52	55	68	64	59	68	55	56	66	63	63	....	57.2
Logan[3]	Maximum	90	93	89	80	82	88	94	89	90	77	79	91	83	82	75	71	75	86	89	94	91	90	88	91	93	94	93	94	89	96	....	87.2
	Minimum	65	66	66	65	59	54	54	65	67	68	65	66	67	60	62	60	57	55	57	59	64	67	69	64	63	62	64	68	70	63	....	63.1
Madison[3]	Maximum	87	89	84	75	78	82	94	73	84	78	83	87	80	86	78	70	73	80	86	93	91	90	87	85	88	90	92	94	92	91	....	84.7
	Minimum	64	67	65	65	55	53	59	65	66	66	62	65	64	59	62	57	55	53	55	59	60	61	67	63	62	62	63	67	67	68	....	62.0
Mannington	Maximum	77	76	72	75	76	79	85	83	81	74	79	79	79	76	72	69	69	79	82	85	87	86	86	84	85	87	88	91	87	88	....	80.5
	Minimum	62	63	62	62	56	44	48	64	53	56	44	59	59	55	55	55	53	52	53	53	55	57	63	62	51	55	58	62	65	66	....	56.7
Marlinton	Maximum	82	85	77	77	71	81	86	86	83	81	76	80	78	77	75	69	69	80	88	90	92	89	89	90	89	88	88	90	88	90	....	82.8
	Minimum	59	59	57	56	55	45	46	58	57	57	47	53	59	51	53	53	47	44	49	50	56	57	54	66	54	50	58	63	60	68	....	54.5
Martinsburg[3]	Maximum	82	70	65	66	72	85	92	92	82	83	80	68	75	84	80	75	74	86	91	94	96	96	88	83	88	91	93	91	92	97	....	83.7
	Minimum	54	63	60	56	56	49	54	50	62	60	49	57	56	59	62	60	55	51	56	60	65	69	70	61	60	59	61	70	70	70	....	59.6
Morgantown	Maximum	78	78	71	78	80	81	86	83	76	73	79	83	82	78	76	66	67	67	82	81	90	89	85	82	85	90	90	93	88	90	....	81.0
	Minimum	65	63	56	62	68	49	55	66	55	55	48	62	63	56	55	57	58	59	57	56	61	62	61	62	55	62	65	68	68	76	....	60.2
New Martinsville	Maximum	84	85	77	80	80	85	91	90	82	80	87	83	81	81	74	78	77	84	90	92	95	94	91	90	92	95	97	100	95	96	....	86.9
	Minimum	65	64	63	63	56	50	53	63	56	56	50	63	61	57	58	57	56	64	65	58	59	62	67	65	56	59	61	65	68	67	....	60.3
Parkersburg	Maximum	81	75	79	77	78	82	90	85	79	72	78	86	81	79	69	65	72	82	87	89	90	90	86	86	88	90	92	96	92	93	....	83.0
	Minimum	65	67	67	58	57	51	59	67	62	59	56	62	63	59	59	57	55	57	57	60	61	61	69	66	62	66	68	72	72	69	....	62.1
Pickens	Maximum	73	74	73	78	76	77	82	78	76	75	80	79	72	74	70	60	73	81	86	85	85	83	84	81	86	85	84	86	86	87	....	79.0
	Minimum	57	53	56	55	47	39	46	55	52	46	39	53	54	48	48	46	41	45	48	52	53	52	55	51	45	55	54	57	58	57	....	50.7
Point Pleasant	Maximum	85	78	84	82	82	84	90	90	84	76	73	85	83	69	75	66	74	85	87	91	92	91	91	87	89	93	95	97	96	94	....	84.9
	Minimum	65	64	62	66	59	50	54	65	63	60	57	61	65	58	58	58	54	52	55	56	58	61	64	63	55	59	62	70	67	69	....	60.3
Rainelle	Maximum	81	81	66	71	69	79	84	81	79	74	65	77	75	72	71	65	64	75	84	85	88	85	84	82	81	83	79	..	88	85	....	77.7
	Minimum	56	58	60	56	52	48	44	59	56	58	55	55	59	52	52	51	47	43	45	46	52	55	59	56	56	51	53	..	60	62	....	53.7
Richwood[3]	Maximum	78	82	69	76	63	80	84	81	79	73	72	83	72	75	79	65	66	76	84	89	84	85	83	84	86	87	88	86	89	87	....	79.5
	Minimum	60	60	60	59	53	50	49	58	59	62	58	57	60	52	54	49	49	42	48	52	58	60	62	58	55	52	57	66	62	62	....	56.1
Spencer[3]	Maximum	85	83	80	88	88	82	88	86	79	71	78	85	80	78	73	67	73	81	86	89	89	90	88	89	89	90	92	95	93	93	....	84.3
	Minimum	65	64	66	64	56	49	54	67	67	58	52	56	65	59	57	56	55	52	58	56	58	59	63	60	56	59	60	69	68	68	....	59.9
Sutton	Maximum	85	78	78	76	78	79	92	92	87	81	78	88	88	81	81	78	73	81	86	90	90	92	92	88	90	94	94	96	96	93	....	85.8
	Minimum	64	64	66	62	57	49	51	65	61	60	53	61	63	58	57	57	54	52	53	57	60	60	64	61	59	57	59	66	66	67	....	59.4
Wardensville[3]	Maximum	78	77	66	76	72	82	87	86	80	78	79	69	76	79	77	70	71	80	85	89	90	90	86	80	84	87	91	89	91	92	....	81.2
	Minimum	55	59	56	56	55	46	48	63	57	58	40	57	57	55	56	46	40	57	51	52	48	55	58	62	57	54	52	52	65	66	....	55.6
Weston	Maximum	80	80	78	76	78	85	90	89	88	80	85	86	85	80	78	75	75	82	88	90	91	90	90	85	90	91	94	95	94	92	....	85.3
	Minimum	64	65	62	62	58	49	49	67	59	58	50	60	65	60	60	59	60	56	55	57	60	60	65	60	55	58	60	66	69	67	....	59.8
Wheeling[3]	Maximum	79	79	66	72	78	84	87	87	75	77	80	82	82	75	70	71	75	82	86	88	90	92	88	83	90	90	92	96	92	92	....	82.8
	Minimum	60	66	64	62	65	51	53	58	55	55	46	58	64	59	61	57	59	57	52	56	61	64	65	63	57	64	64	68	70	68	....	60.1
Williamson[3]	Maximum	90	92	90	77	82	89	94	86	83	75	80	89	82	81	76	75	77	85	90	94	94	92	84	91	95	95	94	98	93	97	....	87.3
	Minimum	67	61	67	67	61	54	56	67	67	68	68	67	66	63	61	58	58	55	57	60	62	66	70	65	64	62	64	70	68	71	....	63.7

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.133	.012	.010	.426	.062	.181	.171	.205	.226	.179	.175	.148	.148	.128	.125	.153	.001	.155	.177	.196	.215	.191	.100	.286	.200	.155	.241	.227	.250	.153	....	5.069
	Wind movement	18	6	5	20	114	7	7	33	66	21	22	14	18	14	30	54	63	2	27	0	23	23	4	19	22	20	2	9	12	23	....	701
Wardensville	Evaporation	.052	.023	.030	.044	.156	.137	.188	.248	.303	.229	.210	.233	.062	.098	.165	.150	.133	.088	.179	.191	.202	.195	.181	.140	.162	.254	.271	.317	.241	.176	....	5.117
	Wind movement	52	20	63	41	66	57	17	42	57	30	28	35	61	37	29	32	34	31	29	17	17	15	25	36	21	20	35	66	25	25	....	1,066

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 8 13 41—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., JULY 1941 No. 7

GENERAL SUMMARY

The month was the warmest July since 1936. Monthly means were below normal at only four stations (in Mason, Grant, Hampshire and Jefferson Counties). The warm periods were 1st–2d and 26th–31st, with readings of 100° or better occurring at fourteen stations. The nights were rather cool on the 9–10th and 21st–22d. The rainfall averaged three-fourths of an inch above normal. It was well distributed during the first decade and the last two or three days of the month and somewhat scattered during the middle decade. The greatest concentration of fall was over Cabell, Lincoln and Tyler Counties where monthly totals were in excess of eight inches. Deficiencies occurred only in Berkeley and Jefferson Counties in the northeastern panhandle division, Randolph and Lewis and portions of Upshur, Taylor, Harrison, Marshall and Brooke Counties in the northern division, and Roane, Summers, northern Pocahontas and southwestern Greenbriar Counties in the southern division. It was the second successive month with precipitation above normal following six successive months with deficient precipitation. Drought conditions were only slightly checked and the ground water table continued dry. A severe thunderstorm passed over Huntington on the 12th flooding streets and basements and causing damage to buildings estimated at $8000. An interesting feature of this storm, which prevailed from 6:25 p.m. to about 8:30 p.m., was the concentration of rainfall over the central portion of the city. At the Post Office the total fall was 3.24 inches, while about two miles to the northeast, at the cooperative station, the fall was 3.02 inches, and three miles to the west, at the airport, the fall was 1.20 inches. At Dam 29, O. R., eleven miles to the west, there was no rain. The gage at the Post Office recorded .50 inch in 5 minutes, 1.15 inches in 15 minutes, 1.80 inches in 30 minutes, and 3.05 inches in 60 minutes.

The weather was generally favorable for crop growth, although the hot dry weather at the close developed a need for substantial showers.

TEMPERATURE

The average monthly temperature for the State, based on the records of 64 stations, was 74.4°, or 1.2° above the normal. The mean for the northeastern panhandle division was 73.7°; for the northern division, 74.3°; and for the southern division, 74.8°. The highest monthly mean was 79.4° at Williamson and the lowest, 66.2° at Bayard. The highest temperature was 105° at Inwood on the 28th, and the lowest, 37° at Thornwood (Fire Weather Station) on the 21st. The greatest daily range was 47° at Alpena and Seneca State Forest on the 10th and McNeill on the 10th and 21st.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 123 stations, was 5.39 inches, or 0.77 inch above the normal. In the northeastern panhandle division the average was 4.65 inches; in the northern division, 5.22 inches; and in the southern division, 6.03 inches. The greatest monthly precipitation was 9.18 inches at Huntington and the least, 2.07 inches at Kearneysville. The greatest amount in any 24 consecutive hours was 3.35 inches at Sutton on the 4th. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	6	2	3	..	3	..	..	..	26	12	3	7	6	11	3	4	3	17	..	13	17	20	21	21	19	19	17	12	4	5	2
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	1	1	..	..	2	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Halos, solar	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	6	23	16	7	3	4	10	13	1	..	1	11	5	2	6	11	1	7	12	..	..	1	..	3	4	5	8	9	28	21	14

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.97	30.21	21	29.63	18	5.6	21	sw.	16	80	46	62	71
Columbus, Ohio	29.96	30.21	21	29.58	18	7.7	34	sw.	18	81	48	60	77
Elkins	30.00	30.24	21	29.74	30	4.8	22	s.	18	92	59	76	59
Huntington Airp't	29.96	30.20	21	29.69	18	......	20	w.	18	89	53	72	....
Parkersburg	29.97	30.22	21	29.64	18	4.4	27	w.	29	86	55	70	72
Pittsburgh, Pa	29.97	30.23	21	29.64	18	8.7	34	nw.	30	83	55	64	55

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**	......	......	5.08	6.57	3.50	5.59	0.0	......	......	......	......
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	......	......	......
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.91	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76 8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
Period	73.2	112	31	3.82	4.71	4.65	4.62	.0	11	15	10	6

Climatological Data for July 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	66.2	−1.4	90	§2	38	10	46	8.39	+4.15	2.65	0.0	15	20	6	5	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	72.4	+1.1	98	27	43	21	43	4.79	+1.22	1.50	.0	13	20	2	9	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	52								4.06	+.56	1.27	.0	13					Miss Eleanor White
Inwood	Berkeley	569	9	77.2		105	28	50	21	39	2.70		1.32	.0	10	13	14	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	75.8	−.3	101	28	52	21	33	2.07	−1.12	1.09	.0	9	12	16	3	sw.	University Exper. Station
Martinsburg	Berkeley	435	49	77.0	+1.3	103	28	52	23	34	2.55	−1.07	.90	.0	11	18	12	1	w.	Dr. H. S. Gardner
McNeill	Hardy	800	45	73.2	+1.6	99	28	42	21	47	5.12	+2.09	2.08	.0	9	14	12	5	w	R. E. Saville
Piedmont	Mineral	1,053	28	73.5	+1.2	95	§1	49	9	34	6.95	+3.47	3.02	.0	15	4	16	11	s.	C. A. Suter, Jr.
Romney	Hampshire	824	43	74.1	−.8	98	§27	42	4	38	6.20	+2.72	1.55	.0	12	19	7	5		Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9								4.54		1.24	.0	11					Moses R. Bennett
Stony River Dam	Grant	3,300	21								4.39	+.25	1.51	.0	8	4	14	13	w.	A. C. Becker
Wardensville	Hardy	1,200	20	73.0	+2.4	97	2	48	21	36	6.13	+3.03	1.37	.0	13	14	11	6	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17								3.56	−1.23	.75	.0	12	7	17	7		L. Esle Bond
Alpena	Randolph	2,571	10	68.4	+1.1	91	27	38	21	47	4.74	−2.14	2.80	.0	14	13	10	8		Christian Hertig
Benson	Harrison	1,080	17	75.7	+3.2	99	27	48	21	39	5.80	+.65	1.12	.0	10	13	16	2		R. D. Marts
Bens Run	Pleasants	652	39	*76.2	+1.1			69	21		4.91	+.38	1.40	.0	12	23	5	3		Mrs. C. W. Rea
Brandonville	Preston	1,798	6								6.34		2.00	.0	13					James I. Galloway
Brownsville	Lewis	1,032	18	*75.6	+1.8	97	§28				3.77	−1.03	.58	.0	15	9	18	4		M. D. Hawkins
Buckhannon	Upshur	1,411	44	73.2	+1.4	92	27	49	21	31	5.70	+.98	2.07	.0	13	20	10	1		H. A. Darnall
Cairo	Ritchie	680	40	75.6	+1.3	97	§2	50	21	35	4.97	+.55	1.20	.0	13	16	11	4		Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	75.1	+1.3	99	27	51	21	36	4.83	+.75	1.05	.0	12	13	11	7		Clarksburg Water Board
Crawford	Lewis	1,107	18								6.24	+1.10	1.72	.0	16	11	15	5	sw.	George W. Blair
Creston	Wirt	640	39	76.1	+1.4	99	27	52	21	33	4.50	+.28	1.00	.0	12	14	14	3		J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20								6.85	+2.77	1.62	.0	14					Lockmaster
Dam 13 O. R	Marshall	655	25								4.02	−.34	.94	.0	9					Lockmaster
Dam 15 Mon. R	Marion	882	20								4.33	+.40	1.51	.0	11					Lockmaster
Dam 19 O. R	Wood	600	25								5.84	+1.91	1.37	.0	14					Lockmaster
Dam 20 O. R	Wood	600	25								4.63	+.70	.92	.0	12					Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29								5.07	+.67	1.28	.0	13					Lockmaster
Elkins	Randolph	1,927	40	72.1	+1.8	93	27	48	21	36	5.17	−.21	2.67	.0	14	3	16	12	se.	U. S. Weather Bureau
Fairmont	Marion	883	35	76.0	+1.7	99	1	53	§9	38	5.40	+1.00	1.82	.0	13	13	9	9	w.	J. C. Robinson
Glenville	Gilmer	738	47	78.3	+3.0	101	28	54	21	35	6.40	+1.53	1.82	.0	13	12	12	7	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	74.8	+2.2	100	28	48	21	37	4.34	+.26	1.15	.0	16	14	13	4		L. W. Clayton
Grantsville	Calhoun	900	..								3.44		1.43	.0	11	12	18	1	se.	James Roberts
Hastings	Wetzel	809	6								6.08		1.08	.0	13	22	7	2	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	18								4.65	−.29	.74	.0	14					Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	74.6	+2.4	97	27	50	21	36	4.60	+.27	.76	.0	15	8	16	7	w.	Chas. H. Washburn
Mannington	Marion	974	38	72.8	+1.0	93	1	49	21	34	5.26	+.47	1.54	.0	16	8	18	5	w.	James A. Morgan
Middlebourne	Tyler	759	..								8.96		2.66	.0	14	15	11	5	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	48	74.1	+.6	95	27	50	9	31	6.34	+1.96	1.05	.0	14	14	12	5	sw.	Bruce Davis
New Cumberland	Hancock	671	43	75.1	+2.1	98	§7	47	11	36	5.32	+1.24	1.86	.0	9	13	6	12		C. O. Valentine
New Martinsville	Wetzel	637	47	75.4	+1.2	102	28	53	§10	39	6.03	+1.54	2.15	.0	12	18	12	1	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	76.4	+1.0	98	27	55	21	30	4.84	+.55	1.54	.0	14	11	11	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	72.4	+1.6	93	§1	46	21	38	8.28	+3.19	2.23	.0	15	9	13	9	w.	D. A. Oliver
Philippi	Barbour	1,300	44								4.70	−.03	1.55	.0	15					Mrs. Maxine Leach
Pickens	Randolph	2,760	35	68.8	+.2	91	27	45	21	37	5.20	−.84	1.35	.0	11	18	10	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18								4.51	−.38	1.03	.0	15	12	12	7		Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53								6.20	+1.00	1.82	.0	14					W. H. Bolyard
Saint Marys	Pleasants	625	33								7.53	+3.37	1.45	.0	12					Edward Hughes
Terra Alta	Preston	2,559	40	68.2	.0	90	2	41	10	42	7.76	+2.52	1.75	.0	14	13	11	7	w.	Earl Lee
Thomas	Tucker	3,000	12								6.50	+.01	1.43	.0	8					W. Sleeman
Valley Chapel	Lewis	1,011	18	[b]76.2	+2.2	100	27	50	21	38	4.16	−.77	.80	.0	13	12	14	5	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	74.0	+1.8	100	27	48	§20	41	3.57	−.61	1.14	.0	12	17	10	4		George P. Pfister
West Milford	Harrison	979	16								4.63	−.02	.68	.0	12					Scotland G. Highland
Weston	Lewis	1,026	46	76.2	+1.8	98	27	52	22	36	4.35	−.07	1.04	.0	14					J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	76.1	+1.3	99	27	54	21	32	3.25	−1.05	.92	.0	10	8	17	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15								4.59	−.12	.93	.0	16	10	14	7	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	72.0	+.8	93	1	46	20	33	5.31	+.93	1.32	.0	14	11	16	4		L. A. Mauck
Bluefield	Mercer	2,558	46	[c]73.4	+1.8	90	28	55	21		4.99	+.92		.0	14	9	13	9		Norfolk & Western Ry.
Charleston	Kanawha	602	38											.0	..					Charleston Daily Mail
Clay	Clay	790	25								5.54	+.56	1.88	.0	12					L. E. Woofter
Flat Top	Mercer	3,270	3	69.3		88	27	47	21	28	5.27		1.08	.0	16	3	17	11	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	75.4	+2.3	94	§1	56	22	31	7.08	+2.15	1.52	.0	17					U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	78.0		100	1	56	21	31	6.37		1.15	.0	12	4	13	14		State Forest Nursery
Hinton	Summers	1,431	44	76.8	+2.4	98	30	57	§21	35	4.03	−.04	1.32	.0	16					Mrs. M. L. McClung
Hogsett	Mason	564	25								4.71	+.83	1.43	.0	9					Lockmaster
Huntington	Cabell	571	44	79.2	+2.6	100	§1	56	21	31	9.18	+4.88	3.02	.0	10	8	17	6	sw.	H. N. Robinson
Institute	Kanawha	606	3	76.6		99	§1	54	§20	34	6.97		2.33	.0	12					Civil Aero. Administration
Kayford	Kanawha	1,335	25								6.37	+1.20	2.16	.0	10					Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	73.0	+2.0	94	27	50	21	32	2.81	−1.08	1.01	.0	16	1	15	15		J. K. Monroe
Logan	Logan	700	38	79.2	+3.2	101	§1	59	21	33	5.44	+.51	.99	.0	12	9	11	11		Paul A. Simonds
London Locks	Kanawha	623	5	78.4		97	1	58	21	30	4.96		1.64	.0	12	13	12	6	e.	Lockmaster
Madison	Boone	675	20	[a]76.2	+1.4	98	18	57	21	34	6.32	+.99		.0	10	20	1	10		C. B. Whitlock
Marlinton	Pocahontas	2,125	41	72.9	+5.3	96	27	41	21	42	5.42	+.63	1.43	.0	12	7	9	15	s.	Edward A. Moore
Point Pleasant	Mason	595	42	76.3	−.1	100	1	54	§21	34	8.20	+4.06	1.91	.0	14	15	12	4	s.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	70.6	+1.1	92	27	46	21	36	6.03	+.24	.96	.0	16	11	6	14		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	77.2	+2.1	99	2	53	21	35	7.08	+3.06	1.45	.0	14	8	17	6	nw.	Lockmaster
Richwood	Nicholas	2,193	11	72.8	+1.0	93	26	47	21	36	7.92	+1.08	1.50	.0	17	11	9	11	se.	Cherry River Paper Co.
Ryan	Roane	700	38	73.7	+.6	95	1	48	21	35	7.38	+2.78	2.27	.0	11	13	13	5		Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	70.5		93	27	41	21	47	5.38		1.60	.0	12	16	14	1	w.	Supt., State Forest
Spencer	Roane	789	37	75.5	+1.9	98	1	50	21	33	4.02	−.22	1.10	.0	12	13	11	7		A. M. McKown
Summersville	Nicholas	1,900	5											..	..					A. E. Dorsey
Sutton	Braxton	850	35	77.4	+2.6	100	§27	51	21	38	7.21	+1.88	3.35	.0	11					C. B. Eakle
Union	Monroe	2,200	37	72.8	+1.2	96	27	48	21	36	5.12	+1.33	1.40	.0	13	11	0	20		C. B. King
Wayne	Wayne	598	14								7.48	+2.89	2.58	.0	9					Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	74.1	+2.5	96	27	52	§21	33	4.65	+.73	.95	.0	12	16	9	6		White Sulphur Spgs., inc.
Williamson	Mingo	673	41	79.4	+3.3	101	1	61	22	29	7.18	+2.75	1.84	.0	12	8	20	3	nw.	J. E. Dotson
Winfield Locks	Putnam	571	3	77.0		99	27	51	2	38	5.82		1.39	.0	10	14	4	13	sw.	Lockmaster
State averages and extremes				74.4	+1.2	105	28	37	21	47	5.39	+.77	3.35	.0	13	12	12	7	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates. * Estimated.

Daily Precipitation for July 1941

Stations	Drainage Basiu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard²	Potomac	....	....	1.70	2.65	1.18	.13	.27	.70	T.	....	....	.17	.45	....	....	....	.11	....	T.	.11	....	....	....	.07	....	.02	.15	....	....	.16	.52	8.39
Brandywine	do	.32	1.18	.06	.45	.41	.15	T.	T.	....	....	.93	....	.48	....	....	.03	....	....	....	....	....	....	.32	....	....	....	.33	....	.09	.04	....	4.79
Brushy Run²	do	....	.02	.04	.13	1.43	.03	T.	.03	....	....	....	....	T.	....	....	....	1.46	....	....	....	....	....	....	.60	....	....	....	....	....	.02	....	3.76
Harpers Ferry²	do	....	....	.20	1.27	.83	.04	.11	.21	....	....	....	.05	.26	.02	....	....	.02	.10	....	....	....	....	....	....	....	....	....	....	....	.50	.45	4.06
Inwood	do	....	.30	.02	1.32	.10	.12	....	.11	....	....	.02	.35	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	.15	.21	....	2.70
Kearneysville	do	....	.25	.08	1.09	.16	.08	....	.03	....	....	.07	T.	.01	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	2.07
Knobly Mountain²†	do	....	....	.35	1.34	1.35	.08	T	.75	....	....	....	....	.14	....	....	....	.09	....	....	....	....	....	....	....	....	....	.06	....	.15	.13	.20	4.64
Martinsburg²	do	....	....	.10	.80	.90	.12	.05	.18	....	....	....	.02	.10	T.	....	....	.01	....	....	....	....	....	....	....	....	....	....	....	....	.22	.05	2.55
McNeill	do	T.	2.08	.18	1.86	.50	.06	T.	.19	....	....	T.	.08	T.	T.	....	.04	....	....	....	....	....	....	....	....	T.	T.	....	....	T.	.13	T.	5.12
Petersburg	do	.42	.14	.39	1.09	.50	.09	....	....	....	....	....	....	.19	....	....	.01	....	....	....	....	....	....	....	.10	....	....	....	....	....	.03	....	2.96
Piedmont	do	....	....	.69	3.02	.12	1.09	.33	.07	....	....	....	....	....	....	.50	.02	.08	....	T.	....	....	....	....	....	....	.19	.16	.19	.13	.24	.12	6.95
Romney	do	.20	1.05	.40	1.55	.30	.20	.80	....	....	....	....	.30	.50	....	....	.10	....	....	....	....	....	....	....	....	....	.30	....	....	....	.50	....	6.20
Spruce Knob²†	do	....	.29	.38	.37	1.24	.27	.29	.30	....	....	....	.37	T.	....	....	....	.28	....	....	....	....	....	....	.14	....	....	....	....	.61	T.	....	4.54
Stony River Dam²†	do	....	....	.35	1.47	1.51	.10	....	....	....	....	....	....	....	....	.06	....	.42	....	....	....	....	....	....	....	....	....	.22	.26	....	....	....	4.39
Wardensville²	do	....	....	.46	1.37	.99	.06	T.	.05	....	....	....	1.27	.64	.03	.04	....	....	....	....	....	....	....	....	....	....	....	.05	....	.23	.56	.38	6.13
Northern Division																																	
Aberdeen†	West Fork	....	....	.37	.75	.17	.14	.48	.17	....	....	....	T.	.17	T.	....	.03	....	....	.38	....	....	....	....	....	....	....	T.	....	.38	.22	.30	3.56
Alpena	Cheat	.10	.25	.26	2.80	.14	.06	.10	.13	....	....	.05	....	....	....	....	T.	....	....	.25	....	....	....	....	....	....	.15	....	....	.39	.02	.04	4.74
Belington²	Tygart	.03	....	.25	1.06	2.16	.01	.17	1.27	.01	....	....	T.	.19	....	....	T.	....	....	.12	T.	....	....	....	....	....	....	T.	....	.41	.74	.28	6.70
Benson†	West Fork	....	....	.18	.85	.35	.88	.15	.44	....	....	....	....	....	....	....	....	....	....	.70	....	....	....	....	....	....	....	....	....	.55	1.12	.58	5.80
Bens Run	Ohio	....	.18	.33	.74	.06	.22	.41	.29	....	....	....	T.	....	....	T.	.30	....	....	....	....	....	....	....	....	....	....	....	.35	1.40	.35	.28	4.91
Big Skin Creek†	West Fork	....	.44	.12	1.22	.09	.06	.19	.27	....	....	....	.02	....	.03	....	.31	....	....	.33	....	....	....	....	....	....	....	.70	....	.20	.10	.15	4.23
Brownsville†	do	.05	....	.49	.58	.23	.11	.38	.18	....	....	....	.06	.19	....	.19	.06	....	....	.51	....	....	....	....	....	....	....	....	....	.28	.16	.30	3.77
Buckhannon	Tygart	....	.34	.18	2.07	.78	.05	.18	.14	....	....	....	T.	....	.18	....	....	....	....	.28	....	....	....	....	....	....	....	.34	....	.65	.05	.46	5.70
Cairo	Litl.Kanawha	....	....	.07	1.20	.40	.65	.23	.57	....	....	....	....	....	....	.07	.23	.02	....	1.10	....	....	....	....	....	....	....	....	....	.05	.12	.26	4.97
Clarksburg²	West Fork	....	....	.05	1.05	.36	.35	.41	.41	....	....	....	....	....	....	.02	....	.07	....	.47	....	....	....	....	....	....	....	T.	....	.97	.31	.36	4.83
Crawford	do	....	1.63	.19	1.72	.14	.02	.17	.44	....	....	....	.47	.02	.04	....	.04	.01	....	.18	....	....	....	....	....	....	....	....	....	1.03	.11	.03	6.24
Creston²	Litl.Kanawha	....	1.00	.15	.55	.50	.05	T.	.55	....	....	....	.25	....	....	....	....	.02	....	.93	T.	....	....	....	....	....	....	....	....	.30	.15	.05	4.50
Dailey²†	Tygart	.04	.02	.45	.23	1.67	T.	.02	.06	.02	....	....	.20	.15	.08	....	....	.04	.05	.04	.02	....	....	....	....	....	....	....	....	.14	.03	.01	3.27
Dam 10, Mon. R.²†	Monongahela	....	....	1.19	1.62	.58	T.	.44	.73	....	....	....	.05	.03	....	....	....	.51	....	.25	.08	....	....	....	....	....	....	.18	....	.41	.51	.27	6.85
Dam 13, O. R.²†	Ohio	....	....	....	.84	....	....	.06	.71	....	....	....	....	....	....	....	....	.94	....	.73	....	....	....	....	....	....	....	....	.10	.20	.27	.17	4.02
Dam 15, Mon. R.²†	Monongahela	....	....	....	.45	.56	.05	.30	1.51	....	....	....	T.	....	....	....	....	.29	....	.30	....	....	....	....	....	....	....	.38	....	.04	.22	.23	4.33
Dam 19, O. R.²†	Ohio	....	.19	.43	1.04	.20	.02	.12	.53	....	....	T.	....	.18	....	T.	.88	.13	....	.49	....	....	....	....	....	....	....	....	....	.06	1.37	.20	5.84
Dam 20, O. R.²†	do	....	....	.18	.13	.23	.30	.50	.50	....	....	....	....	....	....	....	.86	.32	....	.92	T.	....	....	....	....	....	....	....	....	.16	.36	.17	4.63
Elizabeth (Dam 3)²	Litl.Kanawha	....	.08	.08	.93	.45	.49	.74	.39	....	....	....	....	....	....	T.	.17	.05	....	1.28	....	....	....	....	....	....	....	....	....	.30	.09	.02	5.07
Elk†	West Fork	.18	.20	.68	1.00	....	.15	.40	.35	....	....	....	....	....	....	....	....	....	....	.54	....	....	....	....	....	....	....	....	....	.60	.18	.06	4.34
Elkins¹‡	Tygart	....	.13	.47	2.46	.03	.08	.54	T.	....	....	.39	T.	.38	....	T.	.13	....	.04	.08	....	....	....	....	....	....	T.	....	.01	.26	.17	T.	5.17
Fairmont²	Monongahela	....	....	.03	.50	.48	.04	.28	1.07	....	....	....	....	.04	....	....	....	.22	T.	.30	....	....	....	....	....	....	....	1.82	....	.17	.19	.26	5.40
Glenville²	Litl.Kanawha	....	.23	.67	.55	.43	.26	.31	.94	T.	....	....	.12	....	....	.11	....	....	....	.73	....	....	....	....	....	....	....	....	....	.13	1.82	.10	6.40
Grafton	Tygart	.08	....	.25	1.15	.10	.20	.29	.11	....	....	....	.02	.22	....	....	.17	.01	....	.34	....	....	....	....	....	....	....	.06	....	.05	1.05	.24	4.34
Hackers Creek †	West Fork	.26	.15	.44	1.05	.35	1.01	.17	.11	....	....	....	....	....	.15	.05	....	....	....	.62	....	....	....	....	....	....	....	.01	.37	....	1.10	....	5.84
Hall²	Tygart	....	T.	.24	1.20	1.03	.14	T.	.60	....	....	....	T.	T.	....	....	.06	T.	....	.18	T.	....	....	....	....	....	....	.10	....	.29	.11	.13	4.08
Harrison Co. Airport²	West Fork	....	....	.02	.87	.34	.08	.21	.64	T	....	....	....	.01	....	T.	T.	T.	....	.42	....	....	....	....	....	....	....	T.	....	.43	.42	.20	3.64
Hastings	Ohio	....	....	.73	.37	....	.54	.42	.48	.02	....	....	....	.05	....	....	.01	.81	....	.54	....	....	....	....	....	....	....	....	....	1.08	1.02	.01	6.08
Horner	West Fork	....	....	.60	1.36	.25	.15	.45	....	....	....	....	....	....	T.	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	.45	.12	.35	3.83
Ireland	do	....	.72	.80	2.00	.29	.37	.12	.13	....	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	....	....	....	.21	.42	....	5.10
Jane Lew	do	.02	.19	.49	.74	....	.42	.62	.18	....	....	....	T.	.01	....	.08	....	.12	....	.59	....	....	....	....	....	....	....	....	....	.30	.64	.25	4.65
Kumbrabow St. For.†	²Tygart	.20	.25	.22	.93	....	.23	....	.12	....	....	.02	....	.52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	||||
Lost Creek (near)	West Fork	....	.11	.21	.50	.45	.76	.25	.46	....	....	....	....	....	.03	.01	....	.01	....	.61	....	....	....	....	....	....	....	.01	T.	.68	.13	.38	4.60
Mannington	Monongahela	....	.43	.03	1.54	....	.59	.38	.08	....	....	....	T.	....	....	....	.42	.12	....	.60	....	....	....	....	....	.02	.55	.02	.04	.20	.14	.10	5.26
Middlebourne	Middle Is.Creek	....	.07	.14	.81	.40	.35	.03	2.66	....	....	....	....	.11	....	....	.01	1.98	....	.50	....	....	....	....	....	....	....	....	....	.55	1.12	.23	8.96
Midvale²†	Tygart	.15	....	.15	.95	2.76	....	.07	.43	....	....	....	....	.14	....	....	.06	....	....	.07	T.	....	....	....	....	....	....	....	....	.44	.38	.14	5.74
Morgantown	Monongahela	....	1.00	1.05	.72	.10	.52	.65	.10	....	....	.10	T.	....	....	....	.82	.30	.20	....	....	....	....	....	....	....	.20	....	....	.38	....	.20	6.34
Mt. Clare	West Fork	.02	.07	.17	.50	.24	.77	.38	.42	....	....	.13	....	....	.34	....	....	.02	....	.59	....	....	....	....	....	....	T.	....	.01	.70	.31	.34	5.01
New Cumberland	Ohio	....	....	.21	.39	....	....	.70	....	....	....	....	....	....	....	1.75	.09	....	1.86	....	....	....	....	....	....	....	....	.08	....	.22	.02	....	5.32
New Martinsville	do	.05	.10	.40	.44	....	.70	....	.21	....	....	....	.66	....	....	....	.50	....	....	.59	....	....	....	....	....	....	....	....	....	2.15	.05	.18	6.03
Parkersburg¹‡	do	.15	.28	1.05	.49	....	.41	.34	....	....	....	....	T.	....	....	.68	.17	....	.53	.02	....	....	....	....	....	....	....	....	.04	.56	.08	.04	4.84
Parsons	Cheat	....	.64	.42	2.23	1.98	.33	.35	.24	....	....	....	....	.09	T	....	T.	....	....	.12	....	....	....	.17	....	.09	.46	....	.09	....	.97	.10	8.28
Philippi²	Tygart	....	T.	.13	1.55	.83	.10	.10	.61	.01	....	....	T.	.17	....	....	.04	.01	....	.27	.07	....	....	....	....	....	....	T.	....	.46	.12	.23	4.70
Pickens	do	....	1.00	.14	1.26	.12	....	.09	.24	....	....	.15	....	.33	....	....	....	....	....	.47	....	....	....	....	....	....	....	....	....	1.35	....	.05	5.20
Roanoke	West Fork	....	.52	.24	1.03	.14	.14	.23	.32	....	....	....	....	.12	.29	.01	.51	.32	....	....	....	....	....	....	....	....	....	....	....	.04	.20	.40	4.51
Rockford †	do	.04	.14	.56	1.07	.30	.15	.59	.45	....	....	....	....	....	.11	T.	T.	.23	....	.50	....	....	....	....	....	....	....	T.	....	.45	.16	.24	4.99
Rowlesburg²	Cheat	....	....	.47	1.82	.91	T.	.18	.43	T	....	....	T.	.11	....	....	.03	.58	....	.30	.04	....	....	....	....	....	....	.40	....	.01	.36	.56	6.20
Saint Marys²	Ohio	....	....	.39	1.04	.17	.16	.08	1.45	....	....	....	....	.06	....	....	....	.83	....	.73	....	....	....	....	....	....	....	....	....	.67	1.25	.70	7.53
Salem	West Fork	....	.05	.17	1.23	.10	.75	.08	.28	....	....	....	....	....	....	....	.11	.04	....	.65	....	....	....	....	....	....	....	....	....	.70	.28	.36	4.80
Shinnston	do	....	.02	.21	.88	....	.53	.50	.35	....	T.	.15	.31	....	.03	....	....	....	....	.46	....	....	....	....	....	....	.89	....	....	1.29	....	....	5.62
Terra Alta†	Cheat	....	.53	.66	1.75	.15	.12	1.50	.06	.21	....	....	....	1.33	....	....	.05	....	....	.04	....	....	....	....	....	....	T.	.03	....	....	1.18	.15	7.76
Thomas²	do	.34	....	1.08	1.09	1.43	.29	....	.77	....	....	....	....	....	....	....	....	....	....	T.	T.	....	....	....	....	....	....	....	....	....	1.34	.16	6.50
Valley Chapel	West Fork	.05	.33	.32	.62	.22	.80	.23	.05	....	....	....	....	....	....	.12	....	.19	....	.61	....	....	....	....	....	....	....	....	....	.51	....	.11	4.16
Valley Head²	Tygart	.28	T.	.20	.13	1.47	....	....	.69	....	....	....	.30	.12	.04	....	....	.34	.06	T.	....	....	....	....	....	....	....	....	.68	.56	.10	....	4.97
Vandalia †	West Fork	....	.62	.31	1.67	.09	....	.16	.26	....	....	....	....	....	....	....	....	....	....	.36	....	....	....	....	....	....	....	.86	....	.58	.10	....	5.01
Wellsburg (near)	Ohio	.08	....	.44	.38	....	.10	.24	.13	....	....	....	....	....	....	1.14	....	.11	....	.45	....	....	....	....	....	....	....	.33	....	.12	....	.05	3.57
West Milford	West Fork	....	.10	.18	.55	.20	.58	.40	.68	....	....	....	....	....	....	....	....	.07	....	.55	....	....	....	....	....	....	....	....	....	.36	.57	.39	4.63
Weston²	do	T.	....	.22	.41	.61	.08	.06	1.04	....	....	....	.04	.06	....	.21	....	....	....	.61	.12	....	....	....	....	....	....	....	....	.28	.36	.25	4.35
Wheeling (Dam 12)²	Ohio	....	.09	.01	.92	....	....	.02	.38	....	....	....	....	....	....	....	....	.85	....	.45	T.	....	....	....	....	....	....	....	....	.42	.02	.09	3.25
Southern Division																																	
Arbovale²	Greenbrier	.01	T.	.17	.25	.82	.27	.25	.25	.07	....	....	.62	....	.44	....	....	.04	....	....	.01	....	....	....	.05	.93	....	....	....	....	.27	.14	4.59
Beckley	New	....	1.32	.14	.46	1.01	.19	.25	.10	....	....	.04	.08	.93	....	....	.07	T.	....	.19	....	....	....	....	....	....	....	....	....	.06	T.	.47	5.31
Bluefield	New	T.	....	.22	*	1.45	*	.92	.23	....	....	....	.04	....	.24	.06	.69	.04	....	.62	....	....	....	....	T.	.01	....	....	.47	....	....	....	4.99
Camden-on-Gauley²	Gauley	....	.40	.45	.05	1.82	....	....	.64	....	....	....	.03	....	.15	....	....	.03	.01	.09	.05	....	....	....	....	....	....	....	....	....	.34	.24	4.30
Charleston²	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Clay²	Elk	....	.09	.30	.92	1.88	.03	.02	1.07	....	....	....	.28	T.	....	....	....	....	....	.29	T.	....	....	....	....	....	....	....	....	.03	.02	.61	5.54
Flat Top²	New	T.	.50	.09	.68	1.08	.18	.40	.30	....	....	.08	.13	.54	.04	....	.19	....	.13	.22	....	....	....	....	....	....	....	....	....	.20	....	.51	5.27
Gary²	Big Sandy	1.52	....	.08	1.21	1.12	.37	.75	.11	.02	....	....	.13	.12	.01	.01	....	.13	....	1.24	T.	....	....	....	....	.08	....	.06	....	....	....	.12	7.08
Greenbottom²†	Ohio	....	.66	.41	.73	.12	.34	.29	1.15	....	....	....	....	.10	....	.06	....	.50	....	1.07	....	....	....	....	....	....	....	....	....	....	....	.94	6.37
Hinton²	New	.31	.05	.02	.10	1.11	1.32	.21	.32	....	....	....	.02	.06	.16	....	....	.08	....	.12	....	....	....	....	....	.07	....	....	....	.04	T.	.04	4.03
Hogsett²	Ohio	....	T.	.02	.62	.44	.22	.28	.82	....	....	T.	....	T.	....	....	....	.16	....	1.43	....	....	....	....	....	....	....	....	....	....	....	.72	4.71
Huntington	do	....	T.	.21	.78	.75	.15	.18	1.53	....	....	....	....	3.02	.18	....	T.	....	....	.86	....	....	....	....	....	....	....	T.	....	....	....	1.52	9.18
Institute²	Gr. Kanawha	....	.06	.37	2.33	.02	....	1.74	.19	....	....	....	.06	....	....	....	T.	....	.65	.08	....	....	....	....	....	....	....	....	.35	....	.91	.21	6.97
Kayford²	do	....	....	.46	....	1.50	.01	.02	2.16	....	....	.28	....	....	....	.06	....	.40	....	.45	....	....	....	....	....	....	....	....	....	....	....	1.03	6.37
Lewisburg	Greenbrier	.01	.10	T.	.17	1.01	.14	.88	T.	.01	....	T.	.01	.23	T	....	.12	.01	....	.04	.01	....	....	....	....	.03	....	....	....	.02	.02	T.	2.81
Logan²	Guyandot	T.	.13	.61	.97	.77	.27	.15	.99	T.	....	....	T.	.13	T.	.01	T.	.02	....	.93	T.	....	....	....	....	....	....	....	....	....	....	.46	5.44
London Locks²†	Gr. Kanawha	.06	....	.69	.03	1.64	.04	T.	.81	....	....	....	....	.12	T.	....	.16	.20	....	.31	....	....	....	....	....	....	....	....	....	....	.30	.69	4.96
Madison²	Coal	....	....	*	....	2.43	.08	.30	1.85	....	....	.10	....	....	....	....	....	.52	....	.52	....	....	....	....	....	....	.15	....	....	....	....	.37	6.32
Marlinton	Greenbrier	....	1.43	.11	.25	1.37	.25	1.26	.12	....	....	.10	....	.15	....	....	.15	....	....	.04	....	....	....	....	.19	....	....	....	....	....	....	....	5.42
Point Pleasant²	Ohio	....	....	.13	.57	.19	1.09	.64	1.49	....	....	.02	....	.06	....	.03	.93	.23	....	1.91	....	....	....	....	....	....	....	....	....	....	.10	.81	8.20
Princeton²	New	.06	.03	.16	.39	1.12	.29	.10	.37	.04	....	.57	.11	.08	.30	.06	T.	1.42	.22	T.	T.	....	....	....	....	.26	.01	....	.02	....	.07	....	5.68
Rainelle	Greenbrier	....	.04	.11	.56	.70	.10	.50	.78	T.	....	.15	.01	.88	T.	....	.96	T.	....	.10	T.	....	....	....	....	.02	....	....	.18	....	.50	.44	6.03
Ravenswood²	Ohio	....	....	.12	.29	.37	.68	.93	.80	....	....	....	....	.04	....	.40	.25	.03	....	1.45	....	....	....	....	....	....	....	....	....	.04	1.15	.53	7.08
Richwood²	Gauley	.22	.01	1.04	.06	1.50	.10	.10	1.40	....	....	....	.40	.14	.22	....	....	1.42	....	.18	.01	....	....	....	....	.22	....	....	....	....	.67	.23	7.92

Continued on next page.

Daily Precipitation for July 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	.86	.18	1.08	.02	....	.84	.27	....	....	...	.45	....	....	....	....	....	.02	1.27	....	....	....	....	....	....	....	....	....	2.27	....	.12	7.38
Seneca State Forest†	Greenbrier	....	.17	.15	....	1.60	.16	.60	.04	....	....	.03	....	1.30	....	....	.11	..	....	....	....	....	....	T.	.51	....	....	....	....	.65	.06	....	5.38
Spencer ²	Litl. Kanawha	....	....	.15	.28	.55	.05	.03	1.10	....	....	....	.18	....	....	....	....	.10	....	.83	....	....	....	....	....	....	....	....	....	.42	.07	.26	4.02
Summersville	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Sutton	Elk	....	.43	.22	3.35	.25	....	.50	1.08	....	....	....	....	.18	....	....	....	....	....	.53	....	....	....	....	....	....	....	....	....	.32	.28	.07	7.21
Thornwood ²	Greenbrier	.11	1.17	.03	.09	.01	.13	.04	.08	....	....	1.24	....	.02	....	.05	....	....	....	.	....	....	....	.72	.50	.05	....	....	....	.24	.98	....	5.46
Union ²	New	.35	.20	.35	....	1.40	.80	.76	.31	....	....	....	....	.33	.02	....	.07	....	....	.10	....	....	....	....	....	....	....	....	....	.38	.05	....	5.12
Wayne ²	Twelvepole	....	....	.11	1.23	.47	.10	....	2.58	....	....	..	....	....	....	....	....	.45	....	1.26	....	....	....	....	....	.46	....	....	....	....	....	.82	7.48
White Sulp'r Spgs. ²	Greenbrier	....	....	.05	.15	.90	.75	.40	.80	....	....	....	....	.10	.30	.10	....	.10	.05	....	....	....	....	....	....	....	....	....	....	....	.95	....	4.65
Williamson ²	Big Sandy	....	.62	1.81	.68	.93	.13	.01	.65	T.	....	....	....	.14	....	....	....	.15	....	1.84	....	....	....	....	....	.10	.12	..	....	....	....	....	7.18
Winfield Locks ²†	Gr. Kanawha	.	.55	.07	1.05	.90	.14	.02	1.39	...	....	....	....	.14	T.	....	....	T.	....	1.16	....	....	....	....	....	....	....	....	...	.	....	.40	5.82

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House

Daily Temperatures for July 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard ³	Maximum	89	90	80	70	68	78	79	74	74	84	83	85	75	75	81	80	77	83	75	75	77	67	62	85	87	88	90	89	90	87	82	80.0
	Minimum	59	60	61	64	55	55	53	60	40	38	41	52	57	48	51	51	53	49	50	45	39	40	42	50	52	54	56	62	63	65	62	52.4
Beckley	Maximum	93	88	82	72	75	78	79	76	80	86	85	85	75	78	83	83	79	84	79	78	80	84	85	86	90	91	91	88	86	89	87	83.1
	Minimum	66	67	65	65	62	62	63	60	52	53	63	64	65	63	62	61	61	56	60	46	48	54	63	60	60	60	64	65	68	65	66	60.9
Bluefield	Maximum	88	85	83	..	82	..	81	76	78	84	85	84	..	79	77	81	79	82	81	..	79	84	84	86	85	88	..	90	87	87	85	83.2
	Minimum	62	68	68	..	62	63	..	62	60	60	64	66	..	66	64	64	62	61	61	..	55	60	66	62	60	63	..	66	70	66	70	63.5
Brandywine	Maximum	95	95	89	78	70	78	80	83	85	88	86	91	78	79	82	85	88	87	85	83	82	81	88	89	91	96	98	95	94	95	92	86.7
	Minimum	61	60	63	62	58	57	63	62	54	45	57	58	63	60	58	57	58	59	56	47	43	47	53	56	60	61	58	62	68	66	67	58.0
Buckhannon	Maximum	90	88	80	78	80	79	77	75	75	81	82	83	80	82	82	87	83	82	81	77	75	86	83	86	89	90	92	91	89	89	87	83.2
	Minimum	68	70	69	65	62	61	66	64	65	53	62	65	65	61	61	62	65	63	58	55	49	55	63	60	61	66	66	68	69	69	69	63.1
Charleston ³	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg ³	Maximum	97	94	85	79	80	82	79	80	81	88	90	90	83	85	90	87	82	88	79	79	82	86	87	93	95	95	99	96	94	92	88	87.3
	Minimum	69	70	71	68	63	62	63	65	53	52	58	66	67	62	65	65	66	58	62	55	51	54	56	63	60	66	66	68	68	68	70	62.9
Elkins	Maximum	91	89	82	71	77	79	78	76	76	85	84	86	78	79	86	81	79	85	76	77	78	83	83	87	90	92	93	92	89	90	86	83.2
	Minimum	67	68	67	62	61	64	62	60	54	49	61	65	62	58	62	62	60	57	58	53	48	52	60	60	60	62	64	67	69	69	68	61.0
Fairmont ³	Maximum	99	96	85	70	79	85	82	84	85	91	91	92	85	84	89	89	84	89	81	85	84	89	88	92	94	97	97	94	94	96	90	88.4
	Minimum	71	72	71	61	61	61	64	65	53	53	62	68	67	60	65	67	65	58	65	58	53	54	60	64	64	67	67	71	69	69	70	63 7
Flat Top	Maximum	86	84	78	71	68	72	77	77	75	81	84	81	71	71	75	76	77	78	72	74	75	80	79	82	83	85	88	83	83	85	84	78.4
	Minimum	64	64	61	63	60	60	63	61	55	53	58	61	63	62	60	61	61	57	58	49	47	57	60	58	57	61	68	65	69	65	66	60.2
Gary ³	Maximum	94	88	85	78	81	83	85	80	82	88	87	86	81	80	87	85	84	87	79	82	82	87	88	88	88	91	94	89	91	92	91	85.9
	Minimum	67	68	69	67	66	64	65	65	63	59	65	68	68	66	66	62	64	63	63	60	59	56	63	63	64	66	66	69	70	69	70	64.9
Glenville	Maximum	98	98	87	84	85	85	87	85	85	91	93	93	91	90	92	90	86	91	89	83	85	89	91	95	95	98	99	101	97	96	95	91.1
	Minimum	68	69	72	68	65	64	65	65	59	56	61	69	69	62	68	65	68	62	66	59	54	56	64	65	63	70	72	72	72	68	70	65.5
Grafton	Maximum	95	94	94	83	82	83	81	80	81	85	90	89	91	88	88	90	88	86	88	82	83	87	93	91	94	95	98	100	99	96	94	89.4
	Minimum	66	67	68	64	60	58	60	61	50	49	58	63	64	56	60	63	63	54	63	53	48	50	58	59	60	63	64	66	67	65	66	60.2
Huntington	Maximum	100	97	84	79	80	86	86	86	88	93	94	93	86	85	89	87	87	89	86	87	86	90	92	94	95	98	100	98	99	99	94	90.5
	Minimum	74	75	71	67	67	69	69	66	60	62	72	71	69	65	71	69	68	62	66	61	56	59	65	65	69	71	72	74	76	73	71	67.9
Lewisburg	Maximum	92	87	83	77	71	76	80	77	81	86	85	86	77	75	82	83	80	83	80	80	81	81	88	88	90	92	94	92	90	93	90	83.9
	Minimum	66	67	66	66	62	63	66	62	54	54	63	63	66	65	62	61	62	59	61	52	50	54	61	62	62	62	66	66	69	64	68	62.1
Logan ³	Maximum	101	94	89	74	85	88	87	85	88	94	93	93	79	80	92	87	88	94	83	84	87	92	94	96	96	99	101	96	97	99	98	90.7
	Minimum	72	70	70	70	67	67	68	66	65	61	69	69	69	68	67	67	66	66	65	64	59	60	65	68	67	69	71	73	74	74	70	67.6
Madison ³	Maximum	95	92	85	84	85	85	84	79	84	91	88	88	78	83	79	79	85	98	..	83	83	88	76	93	78	94	95	92	85	95	88	86.4
	Minimum	71	68	70	60	64	67	65	60	62	60	68	67	69	66	65	66	68	64	64	..	57	58	66	66	66	70	72	69	71	70	69	66.0
Mannington	Maximum	93	91	81	77	78	80	78	79	78	84	84	86	82	82	83	84	80	84	79	78	77	82	84	87	90	92	92	92	91	90	85	84.0
	Minimum	67	68	70	65	60	59	62	63	51	50	59	65	65	57	64	63	64	54	64	54	49	51	58	61	63	66	66	67	67	67	69	61.5
Marlinton	Maximum	92	90	85	79	75	78	75	80	82	88	85	90	82	81	85	85	84	85	82	82	83	84	88	90	92	94	96	94	95	94	89	85.9
	Minimum	64	64	63	66	60	61	63	60	54	49	62	62	63	63	59	61	61	51	60	51	41	51	60	61	60	61	65	66	68	63	65	59.9
Martinsburg ³	Maximum	101	102	79	68	77	83	83	85	86	90	88	93	84	83	85	82	90	90	92	89	86	88	84	90	95	98	99	103	91	92	95	88.7
	Minimum	72	74	70	63	60	62	68	68	58	56	68	68	69	62	61	62	71	63	70	57	55	56	52	66	64	70	68	72	77	72	72	65.4
Morgantown	Maximum	93	92	80	71	76	81	80	80	81	87	85	85	82	80	87	88	80	86	83	81	81	86	88	89	91	92	95	92	93	91	89	85.3
	Minimum	72	66	65	62	62	60	67	65	50	57	65	69	65	60	63	63	65	55	65	55	50	55	60	65	66	66	67	68	67	68	67	62.9
New Martinsville	Maximum	100	97	85	75	85	85	84	84	86	92	91	91	87	87	90	90	85	89	84	83	86	89	92	95	95	100	100	102	95	96	90	90.0
	Minimum	69	70	69	63	59	62	65	63	55	53	63	65	63	59	59	65	61	57	59	57	53	55	60	59	63	70	76	69	71	68	70	62.7
Parkersburg	Maximum	97	92	82	70	80	81	82	81	82	89	87	89	85	85	86	88	81	87	78	79	79	85	89	89	93	96	98	98	95	96	91	86.8
	Minimum	74	70	70	63	62	68	66	66	58	59	69	70	67	64	67	69	65	59	65	60	55	57	61	63	66	71	73	74	71	72	72	66.0
Pickens	Maximum	90	87	80	73	75	76	75	71	74	82	80	83	77	80	81	83	76	81	74	76	82	83	83	86	88	89	91	89	86	86	82	81.3
	Minimum	60	60	59	60	52	58	59	56	53	55	57	56	58	59	59	57	54	48	55	47	45	52	54	53	53	56	65	60	62	60	60	56.2
Point Pleasant	Maximum	100	94	82	76	78	84	84	85	84	89	88	92	89	86	92	89	84	87	85	83	84	86	90	93	94	96	97	99	97	96	91	88.9
	Minimum	69	72	68	64	64	65	62	64	55	56	62	65	62	61	68	65	64	58	65	59	54	54	59	59	63	66	70	70	73	69	69	63.7
Rainelle	Maximum	90	86	81	78	78	76	78	76	79	86	82	81	73	75	82	80	75	83	80	77	79	80	85	86	84	89	92	89	85	89	88	82.0
	Minimum	63	61	63	65	62	62	62	59	55	50	60	61	64	63	62	53	59	55	59	49	46	48	57	56	58	60	64	65	66	62	63	59.1
Richwood ³	Maximum	89	88	84	73	76	80	80	77	77	87	83	86	84	79	80	84	88	85	79	78	80	85	88	87	90	93	92	91	90	91	87	84.2
	Minimum	64	64	65	67	63	64	65	60	58	51	56	63	66	66	63	65	59	56	60	52	47	51	59	59	62	65	66	67	68	65	67	61.4
Spencer ³	Maximum	98	91	84	70	82	84	81	81	82	88	86	83	84	89	85	84	82	87	82	80	80	85	87	90	94	95	97	96	96	94	91	86.6
	Minimum	70	70	70	68	64	66	68	64	57	59	65	68	61	68	68	66	60	58	64	58	50	52	61	58	62	70	70	71	71	70	69	64.4
Sutton	Maximum	99	99	92	84	80	84	84	82	85	90	90	92	92	85	92	92	83	92	92	83	84	90	90	93	95	96	100	100	98	97	97	90.7
	Minimum	70	61	69	68	65	65	67	64	59	55	63	68	67	64	65	63	61	60	65	55	51	54	63	68	63	62	70	71	72	68	69	64.0
Wardensville ³	Maximum	96	97	80	70	72	80	80	81	80	85	89	80	76	78	81	83	85	85	83	82	80	82	81	85	90	94	95	96	91	90	90	84.4
	Minimum	65	66	65	67	60	63	65	64	51	49	61	65	65	58	56	58	67	59	69	51	48	49	57	63	62	64	63	68	69	69	69	61.5
Weston	Maximum	96	94	85	81	84	85	82	82	83	89	90	91	90	85	89	90	85	88	85	80	80	88	89	90	93	96	98	97	95	94	93	88.6
	Minimum	70	70	69	71	54	61	62	64	55	53	62	66	69	60	65	66	69	60	59	58	53	52	61	64	61	68	69	70	70	79	70	63.9
Wheeling ³	Maximum	92	94	83	77	82	85	82	82	82	88	88	85	86	85	87	89	81	86	87	86	81	86	89	93	91	97	99	97	95	94	88	87.7
	Minimum	73	70	68	63	60	62	69	66	55	56	62	69	64	60	65	67	64	56	68	61	54	55	60	62	62	69	71	72	71	73	73	64.5
Williamson ³	Maximum	101	92	87	75	84	89	87	88	87	93	93	95	84	82	92	80	88	91	84	86	87	90	91	93	93	95	96	95	97	97	96	89.9
	Minimum	74	70	70	71	68	69	69	67	66	65	70	70	70	69	68	68	67	67	65	63	62	61	68	70	68	71	75	74	75	75	73	69.0

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.165	.276	.160	068	.048	.132	.120	.090	.128	.221	.211	.163	.165	.212	.122	070	.165	.175	.254	.220	266	.158	.184	.170	.235	.167	.173	.220	.281	.211	.224	5.454
	Wind movement	12	32	20	12	9	12	11	2	57	6	10	34	29	29	17	6	15	28	50	74	44	18	31	9	14	17	21	16	40	33	49	757
Wardensville	Evaporation	.244	.259	.221	147	.035	.074	167	.116	.196	.265	.222	191	.140	.176	.053	.279	.171	.226	.273	.235	.267	.217	.199	.111	.203	.214	.186	.220	336	.235	.152	6.033
	Wind movement	22	36	30	45	24	29	58	39	34	24	18	24	8	15	22	18	30	24	66	41	28	12	16	16	15	9	16	12	46	26	22	825

³ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio. 8-30-41—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., AUGUST 1941 NO. 8

GENERAL SUMMARY

The past month was the coolest August since 1930. All stations averaged below normal in temperature except those in the extreme south and southeast portions and a few in the northwest part of the State. Light frost occurred in the mountains of Taylor county on the night of the 14th.

Precipitation was considerably in excess of the normal in the northern division and all but the extreme northern part of the northeastern panhandle division, while the southern division averaged almost one-half inch below normal with the eastern and western counties being particularly dry. The greatest concentration of precipitation was in the north-central section, where the total was more than twice as much as in the Ohio Valley. A thunderstorm on the afternoon of the 9th caused damage to the electric lines between the north part of Parkersburg and St. Marys. Trees were uprooted, tearing down power lines during their fall. A considerable amount of large hail stones fell without, however, causing noteworthy damage.

The deficiency of precipitation during the winter months caused a serious lack of subsoil moisture during the growing months. This was very evident in August when a few dry days were immediately followed by the firing of the leaves on corn and tobacco and the rapid browning of meadows. Where showers were timely, growth of vegetation was normal or better. In those sections where showers occurred at intervals of more than a week, shallow-rooted plants and those with large heavy leaves suffered for lack of moisture that would normally have risen by capillary tension.

TEMPERATURE

The average monthly temperature for the State, based on the records of 63 stations, was 71.2°, or 0.6° below the normal. The mean for the northeastern panhandle division was 70.5°; for the northern division, 70.6°; and for the southern division, 72.1°. The highest monthly mean was 77.0° at Huntington and Williamson, and the lowest, 62.1° at Bayard. The highest emperature was 102° at Inwood on the 9th, and the lowest, 32° at Bayard on the 14th. The greatest daily range was 50° at Alpena on the 14th and McNeill on the 8th and 14th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 4.80 inches, or 0.72 inch above he normal. In the northeastern panhandle division the average was 4.63 inches; in the northern division, 5.59 inches; and in he southern division, 3.69 inches. The greatest monthly precipitation was 8.70 inches at Hall and the least, 1.97 inches at Greenbottom and Wayne. The greatest amount in any 24 consecutive hours was 3.50 inches at New Cumberland on the 5th. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	17	20	17	23	13	12	14	23	7	13	10	1	10	18	1	1	16	13	4	26	29	4	8	16	..	1	5	10	15	12	9
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	2	1	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Halos, lunar	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	2	..	..	..	3	..	..	..	11	3	3	21	..	..	13	10	..	2	4	..	1	2	..	7	11	18	6	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.01	30.28	28	29.75	11	6.0	18	sw.	11	77	46	54	82
Columbus, Ohio	30.00	30.29	28	29.72	25	7.6	29	s.	24	83	47	57	72
Elkins	30.04	30.32	29	29.73	12	4.5	29	nw.	9	96	54	76	63
Huntington Airp't	30.00	30.25	29	29.77	26	......	15	w.	25	87	49	72	....
Parkersburg	30.00	30.27	29	29.71	12	4.5	17	n.	12	85	52	62	73
Pittsburgh, Pa	30.01	30.32	28	29.71	11	8.4	36	n.	11	82	48	58	64

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	69.8	......	......	3.48	6.10	4.73	5.48	0.0	......	......	......	......
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	7	......	......	......
1893	70.8	98	41	3.43	3.17	3.84	3 38	.0	......	......	......	......
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73 3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3 24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1 60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4 27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74 0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	9	17	9	5
Period	71.8	112	30	3.82	4.17	4.15	4.08	.0	10	14	10	7

Climatological Data for August 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	62.1	−3.7	88	9	32	14	49	8.16	+3.78	1.92	0.0	10	23	5	3	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	25	69.2	−.7	96	9	38	14	45	4.82	+1.24	1.25	.0	10	25	0	6	n.	E. L. Keister
Harpers Ferry	Jefferson	400	52	....	....	....	....	....	....	....	3.88	−.11	1.46	.0	7	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	9	73.5	....	102	9	45	14	47	4.10	....	1.85	.0	6	17	13	1	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	73.2	−1.1	98	9	46	14	39	3.38	−.37	1.22	.0	5	14	16	1	sw.	University Exper. Station
Martinsburg	Berkeley	435	49	73.6	+.6	100	9	47	14	37	3.51	−.55	1.00	.0	9	23	8	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	45	69.6	−1.7	97	9	38	14	50	4.35	+1.36	1.47	.0	9	16	7	8	w	R. E. Saville
Piedmont	Mineral	1,053	28	69.8	−.7	94	9	44	14	37	4.42	+.83	1.18	.0	8	12	15	4	w.	C. A. Suter, Jr.
Romney	Hampshire	824	43	71.6	−1.0	94	8	45	14	41	4.65	+1.04	2.00	.0	8	23	6	2	....	Miss Lucille Keister
Spruce Knob	Pendleton	4,550	9	....	....	....	....	....	....	....	7.19	....	1.89	.0	10	....	....	....	....	Moses R. Bennett
Stony River Dam	Grant	3,300	21	....	....	....	....	....	....	....	5.20	+.62	1.85	.0	5	9	15	7	w.	A. C. Becker
Wardensville	Hardy	1,200	20	70.0	+.5	95	9	43	14	39	4.57	+.94	1.28	.0	9	18	7	6	nw.	Reymaun Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	....	....	....	....	....	....	....	7.09	+2.61	2.57	.0	11	13	13	5	....	L. Esle Bond
Alpena	Randolph	2,571	10	65.2	−.3	90	11	34	14	50	8.04	+3.15	2.52	.0	11	17	11	3	....	Christian Hertig
Benson	Harrison	1,080	17	71.2	+.5	93	5	40	§13	46	4.73	+.28	1.70	.0	10	18	11	2	....	R. D. Marts
Ben's Run	Pleasants	652	39	74.3	+.7	93	§5	50	13	35	4.67	+.43	1.56	.0	9	27	3	1	....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	....	....	....	....	....	....	....	7.26	....	1.89	.0	7	....	....	....	....	James I. Galloway
Brownsville	Lewis	1,032	18	72.1	−.1	96	6	42	14	46	6.95	+2.68	2.32	.0	8	18	10	3	....	M. D. Hawkins
Buckhannon	Upshur	1,411	44	69.2	−.7	88	§9	42	13	35	8.48	+4.39	2.00	.0	10	23	6	2	....	H. A. Darnall
Cairo	Ritchie	680	40	73.0	+.5	95	12	43	§13	45	2.76	−1.11	.60	.0	10	19	9	3	....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	70.1	−1.9	93	§8	44	§13	43	4.92	+.44	1.91	.0	10	16	7	8	....	Clarksburg Water Board
Crawford	Lewis	1,107	18	....	....	....	....	....	....	....	5.52	+.94	1.48	.0	9	19	8	4	sw.	George W. Blair
Creston	Wirt	640	39	72.6	−.5	95	§5	44	14	44	2.96	−.90	1.52	.0	8	18	10	3	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	....	....	....	....	....	....	....	5.79	+1.73	2.43	.0	10	....	....	....	....	Lockmaster
Dam 13 O. R	Marshall	655	25	....	....	....	....	....	....	....	4.23	+.86	2.12	.0	8	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	20	....	....	....	....	....	....	....	4.57	+.44	1.50	.0	9	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	25	....	....	....	....	....	....	....	2.84	−.82	1.03	.0	9	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	....	....	....	....	....	....	....	2.26	−1.53	.76	.0	7	....	....	....	....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	....	....		....	....	....	....	2.94	−1.06	.74	.0	8	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	40	68.3	−.9	89	9	42	14	41	8.41	+4.55	2.43	.0	13	11	12	8	ne.	U. S. Weather Bureau
Fairmont	Marion	883	35	^{b}71.1	−1.6	92	§8	46	13	40	4.30	+.30	1.65	.0	8	20	6	5	w.	J. C. Robinson
Glenville	Gilmer	738	47	74.8	+.9	96	§8	46	13	42	4.06	−.17	2.01	.0	9	9	16	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	70.9	−.5	94	§6	41	14	43	5.67	+1.96	1.51	.0	10	21	5	5	....	L. W. Clayton
Grantsville	Calhoun	900	..	....	....	....	....	....	....	....	....	....	....	..	..	....	....	....	....	James Roberts
Hastings	Wetzel	809	6	....	....	....	....	....	....	....	4.20	....	1.06	.0	12	11	15	5	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	18	....	....	....	....	....	....	....	5.64	+.79	1.98	.0	10	....	....	....	....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	71.0	+.3	93	11	42	§13	44	5.28	+1.05	2.59	.0	8	10	15	6	w.	Chas. H. Washburn
Mannington	Marion	974	38	68.2	−2.0	89	11	43	13	38	5.28	+1.20	1.31	.0	12	15	10	6	w.	James A. Morgan
Middlebourne	Tyler	759	..	....	....	....	....	....	....	....	4.15	....	1.78	.0	9	20	5	6	....	L. A. Crumrine
Morgantown	Monongalia	1,300	48	^{e}70.8	−1.2	90	11	....	....	38	5.78	+1.77	1.78	.0	8	25	1	5	....	Bruce Davis
New Cumberland	Hancock	671	43	73.2	+2.4	94	8	45	13	42	5.77	+2.38	3.50	.0	7	13	4	14	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	72.0	−1.7	93	§4	43	13	38	5.09	+1.20	2.12	.0	11	24	4	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	73.0	−.9	92	8	50	14	36	2.16	−1.35	.56	.0	8	15	12	4	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	68.8	−.6	91	9	42	14	42	7.67	+3.62	2.62	.0	10	....	....	....	....	D. A. Oliver
Philippi	Barbour	1,300	44	....	....	....	....	....	....	....	5.58	+1.34	1.35	.0	10	....	....	....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	64.2	−2.3	89	11	34	13	44	7.33	+1.86	1.63	.0	11	20	8	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	....	....	....	....	....	....	....	6.18	+1.84	2.24	.0	9	17	6	8	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	....	....	....	....	....	....	....	7.69	+3.16	1.99	.0	12	....	....	....	....	W. H. Bolyard
Saint Marys	Pleasants	625	33	....	....	....	....	....	....	....	3.67	−.42	1.15	.0	9	....	....	....	....	Edward Hughes
Terra Alta	Preston	2,559	40	64.8	−2.0	87	9	36	14	43	6.04	+1.03	1.44	.0	11	15	11	5	w.	Earl Lee
Thomas	Tucker	3,000	12	....	....	....	....	....	....	....	8.19	+3.10	2.10	.0	8	....	....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	18	72.2	−.3	98	12	43	13	41	6.08	+1.92	2.31	.0	10	18	10	3	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	69.2	−1.1	95	§8	39	13	47	4.36	+.80	1.57	.0	6	21	6	4	....	George P. Pfister
West Milford	Harrison	979	16	....	....	....	....	....	....	....	4.92	+.30	2.28	.0	10	....	....	....	....	Scotland G. Highland
Weston	Lewis	1,026	46	72.6	−.1	94	11	44	14	42	7.10	+3.40	3.15	.0	8	5	26	0	....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	71.4	−1.4	94	§8	46	13	36	4.42	+.87	2.06	.0	8	15	10	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	....	....	....	....	....	....	....	2.98	−1.33	.88	.0	10	19	6	6	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	70.2	+.9	93	5	44	14	40	3.06	−.78	.43	.0	12	21	9	1	....	L. A. Mauck
Bluefield	Mercer	2,558	46	^{d}72.2	+1.7	88	§5	51	14	31	1.99	−1.62	.91	.0	10	20	10	1	....	Norfolk & Western Ry.
Charleston	Kanawha	602	38	75.3	.0	95	§8	53	13	31	4.23	−.24	1.21	.0	9	....	....	....	....	Charleston Daily Mail
Clay	Clay	790	25	....	....	....	....	....	....	....	3.58	−.91	.98	.0	10	....	....	....	....	L. E. Woofter
Flat Top	Mercer	3,270	3	67.5	....	85	11	46	21	32	3.43	....	1.18	.0	6	6	12	13	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	^{a}73.8	+1.8	93	§11	48	14	38	3.82	−.29	.72	.0	8	....	....	....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	75.0	....	97	10	43	13	40	1.97	....	.82	.0	8	10	8	13	sw.	State Forest Nursery
Hinton	Summers	1,431	44	74.4	+1.1	98	11	49	14	43	2.79	−1.37	1.06	.0	9	....	....	....	....	Mrs. M. L. McClung
Hogsett	Mason	564	25	....	....	....	....	....	....	....	2.63	−.53	.87	.0	10	....	....	....	....	Lockmaster
Huntington	Cabell	571	44	77.0	+2.2	99	11	52	14	38	2.55	−1.15	.91	.0	8	13	13	5	sw.	H. N. Robinson
Institute	Kanawha	606	3	73.9	....	95	11	48	13	39	3.10	....	1.23	.0	9	....	....	....	....	Civil Aero. Administratio
Kayford	Kanawha	1,335	25	....	....	....	....	....	....	....	4.38	−.45	1.45	.0	7	....	....	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	71.2	+1.8	92	§5	44	14	40	3.56	−.39	1.23	.0	11	11	16	4	....	J. K. Monroe
Logan	Logan	700	38	76.8	+1.8	99	8	51	14	41	5.00	+.51	1.39	.0	9	18	7	6	....	Paul A. Simonds
London Locks	Kanawha	623	5	74.3	....	93	§8	50	§14	38	3.95	....	.92	.0	11	19	5	7	w.	Lockmaster
Madison	Boone	675	20	^{a}71.4	−3.0	93	11	49	§14	38	3.72	−.10	1.53	.0	13	17	5	9	....	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	^{b}70.8	+4.6	92	§2	40	14	43	2.64	−2.04	.94	.0	6	6	21	4	sw.	Edward A. Moore
Point Pleasant	Mason	595	42	73.5	−1.2	96	8	45	§13	45	2.39	−.82	.66	.0	10	19	11	1	s.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	68.0	−.3	89	11	38	14	46	3.11	−2.67	1.05	.0	11	18	9	4	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	74.2	+1.3	96	9	44	14	43	2.50	−.85	.83	.0	9	17	3	11	ne.	Lockmaster
Richwood	Nicholas	2,193	11	69.7	−.7	90	11	43	14	40	4.06	−1.10	1.10	.0	16	10	14	7	se.	Cherry River Paper Co.
Ryan	Roane	700	38	70.1	−1.6	92	5	42	14	40	4.39	+.31	1.39	.0	7	19	9	3	....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	66.2	....	90	10	35	14	45	3.43	....	1.14	.0	7	20	10	1	w.	Supt., State Forest
Spencer	Roane	789	37	72.0	−.3	94	§5	44	14	45	2.78	−1.19	1.33	.0	8	10	16	5	....	A. M. McKown
Summersville	Nicholas	1,900	5	....	....	....	....	....	....	....	4.20	....	.72	.0	15	....	....	....	....	A. E. Dorsey
Sutton	Braxton	850	35	74.1	+1.0	97	§11	47	§13	42	5.27	+1.02	1.36	.0	10	....	....	....	....	C. B. Eakle
Union	Monroe	2,200	37	70.2	.0	94	9	42	14	43	3.46	−.47	.88	.0	9	13	0	18	....	C. B. King
Wayne	Wayne	598	14	....	....	....	....	....	....	....	1.97	−2.28	.67	.0	5	....	....	....	....	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	69.6	−.7	93	10	40	14	44	2.60	−.99	.75	.0	8	25	4	2	....	White Sulphur Spgs., inc
Williamson	Mingo	673	41	77.0	+2.2	96	8	53	14	37	4.37	+.38	1.53	.0	6	20	8	3	sw.	J. E. Dotson
Winfield Locks	Putnam	571	3	74.6	....	93	§1	52	§13	36	5.82	....	2.03	.0	11	12	12	7	sw.	Lockmaster
State averages and	extremes	....	....	**71.2**	**−0.6**	**102**	**9**	**32**	**14**	**50**	**4.80**	**+0.72**	**3.50**	**.0**	**9**	**17**	**9**	**5**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period o record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Estimated.

Daily Precipitation for August 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac		.05										1.45	.12		T.	1.92			.85	1.50		.03			.75	.27	1.22					8.16
Brandywine	do										.18		1.00			T.	1.25		.03	.40			.47		.25	.70	.02	.52					4.82
Brusby Run[2]	do												.90	.29			.41			.23	.83		.07	.05		.20	.80	.51					4.29
Harpers Ferry[2]	do												.52			T.	1.46			.20	1.13					.07	.24	.26					3.88
Inwood	do	T.											.42			.89			T.	1.85			T.	.02		.48		.44					4.10
Kearneysville	do									T.			.49			1.02	.20			1.07	T.						T.	.60					3.38
Knobly Mountain[2]†	do												1.29				.29			.76	.27		.02			.45		.47					3.55
Martinsburg[2]	do										T.		.25			.15	1.00			.55	.40			T.		.10	.60	.45			.01		3.51
McNeill	do	T.								T.			1.47			T.	.89		.05	.92			.07		.04	.41	.04	.46					4.35
Petersburg	do												2.00			.02	.89		.03	.86	.02		.04		.02	.45	.02	.61					4.96
Piedmont	do												1.11			.04	.65			1.18					.10	1.09	.04	.21					4.42
Romney	do												.60			.40	.30		.10	2.00					.40	.55	.30						4.65
Spruce Knob[2]†	do	T.									T.		1.27	.62			1.34			.31	.78		.12	.22		.66	1.21	.66					7.19
Stony River Dam[2]†	do												1.85				1.17				.78					.46	.94						5.20
Wardensville[2]	do										T.		1.26				1.28	.01		.28	.84		.07			.27	.19	.37					4.57
Northern Division																																	
Aberdeen†	West Fork		.07							.20	T.		.52			.66	2.57		.10	.71	T.		.11			.53	.66	.96					7.09
Alpena	Cheat												2.52			.05	1.56		.06	1.48	.03			.05	.06	1.09	.47	.67					8.04
Belington[2]	Tygart		.02										.84	.13		T.	3.02	T.		.72	.96		.07			.21	.42	1.42					7.81
Benson†	West Fork		.22							.05			.10			.23	1.70		.18	.40						.75	.68	.42					4.73
Bens Run	Ohio	.08								.04			.03			.72	1.56		.22	.70						.53	.79						4.67
Big Skin Creek†	West Fork									.28			.57			1.65	.07		.13	1.39						.40	2.10						6.59
Brownsville†	do										.03		.30				2.32		.25	1.02						.60	.99	1.44					6.95
Buckbannon	Tygart									.27			.58			2.00	.80		.20	1.58			.35		T.	.66	.84	1.20					8.48
Cairo	Litl.Kanawha												.02			.42	.18		.30	.20	.04		.58			.50	.21	.31					2.76
Clarksburg[2]	West Fork		.01										.18			.10	1.81	.05		.23	.13					.72	.09	1.60					4.92
Crawford	do									.01			.63			.58	.03		.15	1.48						.77	.90	.97					5.52
Creston[2]	Litl.Kanawha	T.									T.		.01	.15			.25			.33	.35					.35	*	1.52					2.96
Dailey[2]†	Tygart	.22									.17		.72	.71		T.	1.43			.37	.95		.12	T.		.38	1.08	1.64					7.79
Dam 10, Mon. R.[2]†	Monongabela.	T.									.04		.68	.12		T.	.47	.08		1.24	.18					.31	.24	2.43					5.79
Dam 13, O. R.[2]†	Ohio												.16	.01			.45			1.01	1.11					.61	.05	.83					4.23
Dam 15, Mon. R.[2]†	Monongabela										T.		.30	.15		.10	1.40			1.17	.15					.55	.15	.60					4.57
Dam 19, O. R.[2]†	Ohio	.16	.53								T.					.02	.25			.42	.10					.25	.08	1.03					2.84
Dam 20, O. R.[2]†	do		.03										T.	.09			.76			.30	.13					.22		.73					2.26
Elizabetb (Dam 3)[2]	Litl.Kanawba		T.								.12			.08			.74			.40	.26		.03			.73		.58					2.94
Elk†	West Fork	.30											.16			.30	2.10		.23	1.28						.95	.85	.15					6.32
Elkins[1]‡	Tygart	T.								.67		.08	2.35			1.63	.19		.07	1.25	.01		.09		.05	.57	1.38	.07					8.41
Fairmont[2]	Monongahela.		.03									.06	.32				1.65			1.11	.17						.35	.61					4.30
Glenville[2]	Litl.Kanawha		.23										T.	.06			.36			.27	.49				.06	.58	.06	1.95					4.06
Grafton	Tygart		.06								.04		.67			.06	1.51			.50	.05					1.39	.48	.91					5.67
Hackers Creek†	West Fork	.51								.07			.16			.95	1.15	.01	.12	.62							.58	.38					4.55
Hall[2]	Tygart	T.	.05								T		.61	.10		.50	2.38			.50	1.58		.22			.15	.71	1.90					8.70
Harrison Co. Airport[2]	West Fork		.02								T.		.55			.16	1.78			.29	.17					.28	.06	1.05					4.36
Hastings	Ohio	T.	.10							.12	.06		.31			.10	.68		.13	1.06	.05					.60	.04	.95					4.20
Horner	West Fork									T.			.25			.40	2.40		.25	1.25			.22			.31	.50	1.83					7.41
Ireland	do									T			.30				T			2.00	.19				T.	.60	1.71	.29					5.09
Jane Lew	do		.13							.05		.53				.60	1.98		.10	.47	.01					.85	.92						5.64
Kumbrabow St. For.†[2]	Tygart									.03			1.72			.96			.20	.41	.74		.50		.39	1.20	.64						6.79
Lost Creek (near)	West Fork	.28														.43	2.59		.12	.02						1.00	.82	.02					5.28
Mannington	Mouongahela.	.04								.04			.48			.23	.66		.12	1.31			.22		.07	1.04	1.03	.04					5.28
Mlddlebourne	Middle Is. Creek	T.									.03		.02			T.	1.78			1.15	.17		.03			.53	.10	.34					4.15
Midvale[2]†	Tygart										.38		.41	.08			2.00			.54	1.09		.32			.09	.66	2.40					7.97
Morgantown	Monongahela.	.25	T.							.05			1.78			.35	.25	.35								.60	2.15						5.78
Mt. Clare	West Fork	.01								.03			T.			.35	1.75		.11	.77	.03					1.09	.32	.28					4.74
New Cumberland	Ohio											.48	.22			3.50			.02	.39						.34	.82						5.77
New Martinsville	do	.21								.01			.05			.22	.55		.14	2.12			.05			.92	.71	.11					5.09
Parkersburg[1]‡	do	T.				.05				.28			.01		T.	.38			.38	.09		T.				.41	.56						2.16
Parsons	Cheat												2.62			.34	1.10		.05	1.58	.02		.10			.80	.09	.97					7.67
Pbilippi[2]	Tygart										T.		.40	.50		.27	1.30	T.		.28	.44		.40			.37	.27	1.35					5.58
Pickens	do									.16			1.63			.21	.57		.13	1.50			.43		.34	.95	1.10	.31					7.33
Roanoke	West Fork									T.	.20		.40				1.40		.24	1.29			.18			.23	.53	1.71					6.18
Rockford†	do	.12								.04			.15			.33	2.08		.12	.42						.67	.95	.45					5.33
Rowlesburg[2]	Cheat		.08										.80	.10		.10	1.89			.77	.86		.14	.03		1.06	.30	1.56					7.69
Saint Marys[2]	Ohio	.04	1.08								.24					.02	1.15			.35	.12					.22		.45					3.67
Salem	West Fork	.16								T.			.20			.46	1.45		.10	.40						1.00	.45	.70					4.92
Shinnston	do		.72										.22			.80	.60		.15	.73						.73	1.01						4.96
Terra Alta†	Cheat										T.		1.44			.83	.14	.61	.09	.93			.05		.08	.89	.30	.68					6.04
Thomas[2]	do												1.39	.45			2.10			.69	1.41					.17	.88	1.10					8.19
Valley Chapel	West Fork	.32								.06			.38			.85	1.46		.14	.28						.89	1.25	.45					6.08
Valley Head[2]	Tygart										T.		.17	.98			1.04			.34	.62		.39	T.		.10	1.46	1.39					6.49
Vandalia†	West Fork									.27			.68			2.03			.15	1.46			.33			.25	2.50	.15					7.82
Wellsburg (near)	Ohio											.16	.23			1.18				1.57						.82	.40						4.36
West Milford	West Fork		.08							.04						.30	1.98		.14	.37	.08					.92	.67	.34					4.92
Weston[2]	do												.10			.08	3.15			.25	.40					.52	1.05	1.55					7.10
Wheeling (Dam 12)[2]	Ohio												.51	T.		.03	.55			1.00	1.06					.44	.07	.76					4.42
Southern Division																																	
Arbovale[2]	Greenbrier	.01									.09			.88			T.	.07		T.	.51			.18		.30	.47	.17	.30				2.98
Beckley	New	.09									.43		.37				.06		.14	.40	.35		.08		.31	.24	.20	.39					3.06
Bluefield	New	.16									.11	.05	.11	.02						.16	.09			.91			.07	.31					1.99
Camden-on-Gauley[2]	Gauley												.06	.60			.43			.19	1.28		.68			.29	.75	.98					5.26
Charleston[2]	Gr. Kanawha.	.09	.18								T.		T.	.45			T.			.17	1.21				.03	1.00	.72	.38					4.23
Clay[2]	Elk	.06									.04		.15	.53			.17			.30	.73		.02				.98	.60					3.58
Flat Top[2]	New									.02			.73						T.	1.18					1.02	.22	.26						3.43
Gary[2]	Big Sandy	.32											.05	.49							.70				.72	.47	.51	.56					3.82
Greenbottom[2]†	Ohio	.04										.15	.02						.15	.24					.20	.82	.35	T.					1.97
Hinton[2]	New	.13									T.		T.	.50						.08	.55		.04		.03	1.06	.14	.26					2.79
Hogsett[2]	Ohio	.02	.08				.14				.02		T.	.20			.26		T.	.20	.15					.69	T.	.87					2.63
Huntington	do												.06			.14	.15		.14	.42					.16	.57	.91						2.55
Institute[2]	Gr. Kanawha.	T.								T.			.38			.04	.03		.16	.47				.03	.06	1.23	.70						3.10
Kayford[2]	do	.74												1.19			.02				.45					.51	.02	1.45					4.38
Lewisburg	Greenbrier	.12											.16			.07			.17	.26	.14		.35	T.	.18	1.23	.51	.37					3.56
Logan[2]	Guyandot	.45									T.		T.	1.39			.08			T.	.21		.41		.05	1.16	.02	1.23	T.				5.00
London Locks[2]†	Gr. Kanawha.	.09	.56							.05				.39			.13			.28	.92		.33			.05	.27	.88					3.95
Madison[2]	Coal	.11	.03										.02	.48			.03			.10	.50		.06		.14	.48	.23	1.53	.01				3.72
Marlinton	Greenbrier												.52							.94	.17					.62	.03	.36					2.64
Point Pleasant[2]	Ohio	.03	.04				.37				.09			.05			.23			.58	.04					.30		.66					2.39
Princeton[2]	New	.31											T.	.35							1.20		.15		T.	1.25	.11	.23					3.60
Raincile	Greenbrier	.05											1.05				.32	T.	.20	.56	.10		.06		.03	.25	.17	.32					3.11
Ravenswood[2]	Ohio	T.	.05								.35			.29			.07			.43	.09					.35	.04	.83					2.50
Richwood[2]	Gauley	.12									.02	.20	.03	.86						.60	.18	*	.11	.04	.02	.02	1.10	.71			.03	.02	4.06

Continued on next page.

Daily Precipitation for August 1941—Concluded

Stations	Drainage Basiu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	.05	....	....	.38	....	....	....	....	....	.40	1.39	....	....	....	.32	....	.94	.91	....	....	....	....	....	4.39
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	1.14	....	....	....	.17	....	....	1.07	.27	....	.19	....	....	....	.01	.58	....	....	....	....	3.43
Spencer ²	Litl.Kanawha	.01	....	....	....	....	....	....	....	....	.04	....	.33	....	....	....	.01	....	....	.31	.42	....	....	....	....	.33	....	1.33	....	....	....	....	2.78
Summersville	Gauley	.10	.05	....	....	....	....	....	....	....	....	.05	.40	.45	....	....	.45	T.	.23	.72	.05	T.	.02	.23	T.	.69	.65	.10	....	....	....	.10	4.20
Sutton	Elk	....	.07	....	....	....	....	....	....	....	....	....	1.27	....	....	....	....	....	.10	1.04	....	....	.12	.02	.10	1.36	.87	.32	....	....	....	....	5.27
Thornwood²	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	1.20	....	....	....	.90	....	.01	.68	.22	....	1.50	....	.16	1.51	.34	.55	....	....	....	....	7.07
Union ²	New	.60	.20	....	....	....	....	....	....	....	....	....	.08	.33	....	....	....	....	....	....	.88	....	.07	....	....	.70	.20	.40	....	....	....	....	3.46
Wayne ²	Twelvepole	.53	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	T.	.04	.48	....	....	....	....	.67	....	.25	....	....	....	....	1.97
White Sulp'r Spgs. ²	Greenbrier	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	.15	.35	....	.15	....	.05	.50	.75	.55	....	....	....	....	2.60
Williamson ²	Big Sandy	1.53	....	....	....	....	....	....	....	....	....	....	....	1.00	....	....	....	....	....	.05	.29	....	....	....	T	.90	T.	.60	....	....	....	....	4.37
Winfield Locks²†	Gr. Kanawha	.13	.02	....	....	....	.35	....	....	....	....	....	....	.02	....	....	2.03	....	T.	.17	1.07	....	....	....	.07	.83	.41	.72	....	....	....	....	5.82

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation is measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. |||| Incomplete. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kanawha Falls, Glen Ferris; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; Midvale, Ellamore: Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House

Daily Temperatures for August 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard ³	Maximum	85	81	82	85	85	82	85	85	88	82	87	75	69	81	75	75	71	70	73	75	78	78	80	80	77	79	70	75	82	85	83	79.3
	Minimum	58	55	48	40	43	48	42	42	43	48	45	45	40	32	33	60	40	36	38	45	41	42	50	45	50	62	50	39	40	43	50	44.9
Beckley	Maximum	85	83	87	86	93	85	90	88	79	86	90	83	75	84	82	80	77	78	76	75	82	81	83	85	81	82	79	81	84	83	85	82.8
	Minimum	65	62	58	56	54	62	53	55	60	63	54	68	48	44	63	66	46	52	64	58	50	62	57	54	64	64	63	55	55	56	58	57.7
Bluefield	Maximum	84	84	..	87	88	86	86	87	87	84	88	86	74	82	80	82	..	82	80	77	79	79	83	83	..	85	85	76	80	79	..	82.7
	Minimum	68	65	60	..	60	63	61	62	64	64	57	70	53	51	67	69	52	..	66	59	54	59	64	66	..	65	64	58	67	59	..	61.7
Brandywine	Maximum	91	87	88	93	88	90	92	88	96	88	93	89	80	82	88	84	80	78	79	85	84	85	86	80	83	91	82	79	84	90	87	86.1
	Minimum	62	57	54	53	52	45	50	54	51	54	50	63	44	38	59	62	45	43	53	50	56	55	53	54	51	59	50	47	52	54	52	52.3
Buckhannon	Maximum	85	83	81	84	86	82	84	85	88	83	88	83	77	78	83	79	78	70	73	72	76	80	81	79	78	79	74	74	80	82	83	80.3
	Minimum	71	66	60	54	66	62	53	65	55	55	57	59	42	43	63	56	50	50	63	55	54	60	66	64	64	66	55	54	52	56	62	58.0
Charleston ³	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Clarksburg ³	Maximum	88	86	86	88	91	86	89	93	91	87	93	81	76	87	86	80	76	67	72	74	84	83	85	86	83	81	75	77	86	87	88	83.6
	Minimum	68	66	59	57	60	61	53	52	56	56	58	64	44	44	51	66	51	51	58	53	52	53	58	58	60	69	58	51	50	55	62	56.6
Elkins	Maximum	86	82	84	85	87	83	86	87	89	83	89	82	69	83	83	77	72	69	76	73	80	80	81	82	81	79	70	76	83	84	84	80.8
	Minimum	68	64	58	53	57	58	51	52	56	56	55	55	45	42	60	54	49	48	61	54	52	59	56	56	67	66	55	52	54	56	60	55.8
Fairmont ³	Maximum	91	87	89	90	92	86	90	92	..	..	92	83	76	87	84	82	78	68	73	77	85	87	87	84	86	83	77	79	89	89	90	84.6
	Minimum	67	66	60	59	63	61	55	55	..	..	59	65	46	47	51	66	51	51	59	53	52	55	60	58	63	69	56	52	50	57	65	57.6
Flat Top	Maximum	80	78	82	81	83	80	82	82	83	81	85	81	67	79	79	75	73	75	74	72	74	78	79	77	75	81	72	72	77	77	80	77.9
	Minimum	65	64	60	58	52	59	54	53	60	63	52	66	47	63	53	65	47	52	62	57	46	61	53	58	62	63	61	57	50	51	56	57.1
Gary ³	Maximum	87	86	89	90	91	88	91	91	90	90	93	89	78	86	83	93	81	85	82	80	85	84	84	86	81	89	79	..	87	86	88	86.4
	Minimum	69	67	63	65	63	63	60	61	62	66	57	64	55	48	52	66	55	59	61	63	57	59	60	63	64	64	67	61	..	58	62	61.1
Glenville	Maximum	90	90	91	92	94	91	92	96	94	93	96	87	82	89	90	92	84	80	73	83	87	89	90	90	90	88	85	84	89	91	91	88.8
	Minimum	73	69	65	60	63	66	57	56	62	63	60	74	46	47	55	71	53	54	65	59	53	60	59	63	69	68	62	54	54	62	65	60.9
Grafton	Maximum	90	90	89	91	93	94	90	93	94	93	92	91	85	84	88	83	83	79	73	78	79	86	87	88	88	85	83	79	84	88	90	86.9
	Minimum	64	64	57	52	58	59	51	50	56	55	54	66	42	41	60	64	47	47	60	50	47	56	55	54	63	67	54	47	47	55	60	54.9
Huntington	Maximum	93	92	90	93	95	93	93	98	96	96	99	90	81	90	88	90	84	76	75	83	85	91	92	88	90	87	83	84	92	90	93	89.4
	Minimum	72	66	65	62	66	68	60	61	71	69	64	75	55	52	74	70	55	62	68	61	53	63	64	67	71	73	66	69	59	68	67	64.7
Lewisburg	Maximum	90	87	89	90	92	89	88	92	92	90	91	85	77	84	86	83	80	73	74	79	81	83	83	83	80	85	79	76	81	85	87	84.3
	Minimum	66	64	61	60	58	60	55	57	57	63	55	69	47	44	62	67	49	52	59	55	53	63	59	60	63	64	62	55	52	54	53	58.0
Logan ³	Maximum	94	93	93	94	96	95	95	99	97	95	96	92	81	92	89	88	84	85	78	83	90	90	90	92	89	88	85	86	88	89	94	90.3
	Minimum	72	69	66	64	63	65	61	63	65	71	60	67	54	51	56	70	56	62	64	65	56	59	63	65	67	67	68	63	62	64	68	63.4
Madison³	Maximum	74	91	68	89	91	88	67	90	79	86	93	75	77	86	87	73	63	79	76	80	71	86	88	76	86	85	74	74	88	88	..	80.9
	Minimum	70	69	66	64	61	67	59	60	67	68	58	69	51	49	49	65	53	57	63	63	55	59	61	65	65	67	67	60	60	63	66	61.8
Mannington	Maximum	85	83	84	85	88	84	85	87	88	84	89	80	73	82	81	79	74	68	72	73	78	80	81	83	81	81	73	73	81	84	85	80.8
	Minimum	64	63	56	54	60	57	50	52	56	56	56	67	43	44	60	65	49	48	63	51	47	55	56	55	65	67	56	48	46	55	63	55.7
Marlinton	Maximum	91	92	89	91	92	89	88	94	91	89	90	86	77	83	85	81	80	76	70	80	..	83	83	83	84	85	77	78	84	87	87	84.8
	Minimum	65	61	57	..	53	56	47	54	54	58	50	65	43	40	53	64	46	47	50	54	..	51	54	55	59	65	60	51	58	51	51	56.7
Martinsburg ³	Maximum	91	93	93	93	90	92	96	96	100	91	89	81	77	84	76	87	80	80	80	80	85	83	85	87	87	95	81	80	85	93	94	87.2
	Minimum	75	61	59	66	66	58	60	63	66	68	59	66	50	47	55	64	56	52	57	60	53	55	63	65	59	69	63	51	54	57	64	60.0
Morgantown	Maximum	88	89	88	89	89	86	87	..	88	89	90	89	77	82	81	77	71	73	80	82	81	80	84	83	82	81	76	87	88	87	86	83.7
	Minimum	68	..	..	63	63	62	56	..	57	55	55	60	..	..	..	62	55	50	..	56	55	50	63	55	66	66	56	50	50	..	..	58.1
New Martinsville	Maximum	90	89	90	93	92	88	92	93	91	90	92	85	80	87	82	83	80	67	75	78	85	87	87	89	86	83	77	79	89	90	90	85.8
	Minimum	67	64	59	61	63	58	56	55	61	57	57	68	43	49	63	63	51	52	63	51	52	57	58	58	66	68	56	50	53	58	67	58.3
Parkersburg	Maximum	89	85	87	88	91	86	87	92	91	90	91	81	73	86	82	82	78	69	76	75	80	85	85	87	88	84	75	77	87	89	91	84.1
	Minimum	72	68	64	62	67	65	62	57	69	60	65	58	52	50	71	60	54	58	65	58	52	61	62	63	68	67	61	54	54	67	71	61.8
Pickens	Maximum	85	80	81	85	82	83	85	87	83	83	89	78	69	80	80	74	73	71	78	78	78	77	81	79	75	75	71	76	80	81	83	79.4
	Minimum	60	59	51	49	50	50	45	48	53	48	49	45	34	36	51	58	40	47	57	41	46	44	48	49	58	49	50	42	47	53	57	48.9
Point Pleasant	Maximum	91	91	87	90	95	84	92	96	95	93	95	87	81	90	87	88	81	76	78	80	86	90	91	90	87	87	81	82	90	92	94	88.0
	Minimum	72	62	59	59	64	61	55	57	66	59	60	72	45	45	67	65	50	53	63	53	48	55	58	59	68	70	58	53	50	61	62	59.0
Rainelle	Maximum	84	82	85	80	86	81	87	85	84	86	89	78	70	84	80	75	76	70	77	77	83	81	82	79	83	84	78	79	82	88	87	81.5
	Minimum	64	63	58	54	51	57	49	54	53	59	49	65	46	38	54	64	46	46	55	54	48	58	54	55	62	58	62	52	49	51	57	54.4
Richwood ³	Maximum	87	85	86	87	89	86	87	86	89	87	90	75	84	83	79	75	79	73	77	76	84	80	82	84	81	82	78	79	85	85	84	82.7
	Minimum	68	60	56	56	59	52	55	54	57	62	59	66	49	43	49	55	48	66	59	50	61	55	56	62	60	62	61	50	55	55	59	56.7
Spencer ³	Maximum	88	88	89	90	94	89	91	94	93	94	85	79	87	89	86	80	80	71	73	78	85	87	87	88	88	83	87	81	87	87	89	86.0
	Minimum	71	65	61	56	60	63	54	52	65	61	62	62	48	44	48	49	53	54	64	57	48	54	59	60	67	69	62	55	54	59	64	58.1
Sutton	Maximum	92	90	88	91	95	95	92	94	94	93	97	97	80	89	89	87	84	77	69	79	85	87	87	89	89	87	85	80	88	90	92	88.1
	Minimum	72	66	69	58	59	59	55	56	60	64	56	72	47	47	63	69	51	52	64	60	53	61	58	60	67	66	64	56	56	60	63	60.1
Wardensville ³	Maximum	90	85	86	88	91	85	85	91	95	87	90	82	73	81	82	82	75	75	79	76	80	84	84	80	84	88	76	76	81	88	89	83.5
	Minimum	67	63	57	52	58	60	49	53	56	60	51	65	49	43	61	65	53	46	62	53	52	56	57	57	66	62	60	49	52	56	59	56.4
Weston	Maximum	91	90	87	89	90	88	89	91	92	91	94	83	79	86	88	85	80	78	74	78	81	85	88	86	82	80	78	80	84	87	90	85.3
	Minimum	71	69	60	61	60	64	61	53	60	61	58	74	45	44	70	66	51	52	64	55	54	60	60	61	68	66	60	52	51	60	63	59.8
Wheeling³	Maximum	91	86	87	92	90	87	89	94	94	88	88	88	74	83	78	80	75	68	77	75	84	84	85	88	85	86	76	82	86	87	87	84.3
	Minimum	70	66	58	61	65	59	59	59	64	58	57	63	46	52	62	57	55	54	58	54	53	57	61	59	61	71	57	50	50	52	70	58.6
Williamson³	Maximum	94	91	91	92	92	93	94	96	95	95	94	91	81	90	87	87	85	88	79	81	87	89	89	91	86	90	81	86	91	88	92	89.2
	Minimum	73	70	68	67	64	68	63	65	67	70	62	70	56	53	58	73	57	59	66	66	57	59	64	67	68	69	69	64	63	65	69	64.8

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.130	.176	.156	.204	.219	.198	.250	.245	.168	.162	.234	.198	.220	.176	.194	.120	.198	.156	.010	.018	.152	.165	.182	.159	.132	.110	.138	.130	.149	.107	.115	4.971
	Wind movement	27	22	21	21	26	13	29	16	23	37	30	40	63	17	32	29	57	23	10	7	20	0	48	17	9	32	23	20	18	12	11	753
Wardensville	Evaporation	.194	.241	.233	250	.218	.216	.273	.227	.249	.202	.259	.338	.202	.236	.203	.184	.277	.192	.053	.082	.277	.237	.145	.144	.097	.137	.229	.211	.170	.187	.182	6.279
	Wind movement	26	16	24	14	10	39	19	11	17	32	31	26	47	27	30	27	55	14	20	15	20	20	20	16	14	49	50	27	16	39	6	777

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³ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 9-29-41—925)

1 1941
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

'OL. XLIX PARKERSBURG, W. VA., SEPTEMBER 1941 No. 9

GENERAL SUMMARY

The month was well above normal in temperature, the only leficiencies being at a few stations in the extreme north-central art of the state. Light frosts were quite general on the 13th nd 21st with two stations listing a killing frost on the 13th, and ne on the 21st.

The average precipitation for the state was 77 per cent of normal. The greatest deficiencies occurred in the northeastern anhandle division, where the average was the second smallest f record for September. The entire northern half of the state, ith the exception of some stations in Pleasants, Ritchie, Wirt nd Wood counties and also about one-half the stations scattered ver the southern division reported precipitation deficiencies. n unusual number of days with dense fogs were recorded during the month and they were especially numerous during the econd decade and the first half of the third decade. Light hail ll at Beckley on the 3d. Many thunderstorms occurred during the first decade but none were recorded after the 11th. A olt of lightning, during a severe thunderstorm on the 1st, killed woman on a golf course near Parkersburg. A heavy thundertorm with high wind caused extensive damage to Wheeling, on he night of the 5th. Two large smokestacks were toppled causng damage estimated at $75,000, and electric power service was ut off for several hours. Light to heavy showers, during the rst decade of the month, retarded the spread of drought condiions, but the second and third decades were almost rainless and he end of the month saw farm water supplies at a critical low vel in some localities, while pastures and most forage crops ere brown and dry. All outdoor activities were favored by the eather, especially during the latter half of the month. Corn nd apple picking, and the seeding of wheat and barley were in ll swing at the close.

During the growing season just ended, an abundance of the major rops were secured, due to the fact that the months of June, July, and ugust had excesses of from three-quarters to one and one-half inches of ain. This and the timeliness of the showers offset the deficiencies of the arly months and the lack of sub-soil moisture to a great extent. During he "water year" just ended, from October 1, 1940 to September 30, 1941 he precipitation averaged 83 per cent of normal.—C.L.W.

TEMPERATURE

The average monthly temperature for the State, based on the records f 66 stations, was 67.8°, or 1.4° above the normal. The mean for the ortheastern panhandle division was 66.9°; for the northern division, 7.4°; and for the southern division, 68.5°. The highest monthly mean as 73.8° at Huntington and the lowest, 59.6° at Bayard. The highest emperature was 99° at Ravenswood on the 10th, and the lowest, 26° at ayard on the 13th and 21st. The greatest daily range was 59° at IcNeill on the 23d.

PRECIPITATION

The average monthly precipitation for the State, based on the records f 128 stations, was 2.22 inches, or 0.66 inch below the normal. In the ortheastern panhandle division the average was 1.03 inches; in the orthern division, 2.35 inches; and in the southern division, 2.58 inches. 'he greatest monthly precipitation was 5.97 inches at Summersville and he least, 0.35 inch at Knobly Mt. The greatest amount in any 24 conecutive hours was 2.77 inches at Wayne on the 10-11th. The average umber of days with .01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	24	7	..	..	..	..	..	..	..	..	..	..	..	..
Fogs, dense	2	3	3	4	..	3	4	7	10	4	1	15	17	7	7	15	8	14	12	8	13	20	21	18	3	..	27	11	1	2	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	1	..
Hail	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Halos, solar	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	11	8	9	9	17	8	10	5	5	13	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.09	30.47	29	29.47	25	6.5	31	sw.	25	80	46	58	78
Columbus, Ohio	30.08	30.41	29	29.50	25	9.1	46	sw.	25	80	50	63	66
Elkins	30.16	30.41	14	29.74	25	4.6	37	w.	5	92	49	83	64
Huntington Airp't	30.09	30.39	29	29.63	25	......	26	w.	18	85	44	71	....
Parkersburg	30.10	30.41	29	29.63	25	4.7	27	sw.	5	84	49	66	74
Pittsburgh, Pa	30.12	30.40	29	29.62	25	9.3	33	sw.	25	81	47	60	72

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8	......	......	0.38	2.20	0.84	1.66	0.0	......	......	......	......
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	......	......	......
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	......	......	......
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	107	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	71.1	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	.95	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	60.5	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	5.96	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
Period	66.4	107	21	2.75	3.04	2.73	2.88	T.	7	15	8	7

Climatological Data for September 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	59.6	−1.3	90	9	26	§13	54	1.37	−1.94	0.50	0.0	5	24	4	2	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	....	70.0	......	98	10	38	13	43	.49	......	.29	.0	4	20	3	7	e.	Roy B. Widmyer
Brandywine	Pendleton	1,586	25	64.7	.0	95	9	31	13	48	.68	−1.70	.36	.0	4	25	1	4	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	52	......	......	......	......	......	......	....	1.31	−1.35	.82	.0	3	..	..	.	......	Miss Eleanor White
Inwood	Berkeley	569	9	68.9	......	98	10	39	13	46	1.79	......	1.02	.0	2	20	8	2	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	69.0	+1.5	95	10	38	13	46	1.40	−1.93	.50	.0	4	16	13	1	sw.	University Exper. Station
Martinsburg	Berkeley	435	49	69.9	+3.3	98	10	42	13	44	1.28	−1.64	.55	.0	3	26	4	0	w	Dr. H. S. Gardner
McNeill	Hardy	800	45	65.0	−.8	97	§9	29	§13	59	.78	−1.50	.26	.0	5	19	7	4	w.	R. E. Saville
Piedmont	Mineral	1,053	28	67.8	+2.1	94	10	40	12	44	.39	−2.02	.18	.0	4	18	8	4	se.	C. A. Suter, Jr.
Romney	Hampshire	824	43	68.0	+1.2	97	9	33	22	52	1.00	−1.68	.60	.0	3	25	4	1	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	21	......	......	......	......	......	......	....	.82	−1.96	.62	.0	2	9	13	8	w.	A. C. Becker
Wardensville	Hardy	1,200	20	65.8	+1.6	94	9	35	§13	48	1.01	−1.58	.73	.0	3	19	9	2	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	......	......	......	..	......	...	....	1.88	−1.43	.49	.0	9	17	11	2	......	L. Esle Bond
Alpena	Randolph	2,571	10	62.4	+1.4	92	9	30	§13	51	3.35	−.71	.92	.0	10	16	12	2	......	Christian Hertig
Benson	Harrison	1,080	17	68.0	+1.1	96	9	35	21	47	2.50	−1.13	.65	.0	8	17	13	0	......	R. D. Marts
Bens Run	Pleasants	652	39	70.8	+2.4	93	9	46	27	41	2.88	+.29	.95	.0	5	21	8	1	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	63.8	......	91	10	34	§12	46	.98	......	.58	.0	5	...	....	...	......	James I. Galloway
Brownsville	Lewis	1,032	18	68.3	+.7	94	§9	39	13	45	2.67	−1.08	.85	.0	7	16	13	1	......	M. D. Hawkins
Buckhannon	Upshur	1,411	44	65.3	+.8	88	9	36	21	38	1.60	−1.36	.80	.0	6	21	8	1	......	H. A. Darnall
Cairo	Ritchie	680	40	69.6	+1.5	95	10	40	§21	46	3.76	+.96	1.92	.0	7	20	10	0	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	67.0	−.5	96	9	40	§13	42	3.10	−.59	1.03	.0	7	....	....	....	......	Clarksburg Water Board
Crawford	Lewis	1,107	18	......	......	......	......	......	......	....	1.35	−2.39	.39	.0	10	20	9	1	sw.	George W. Blair
Creston	Wirt	640	39	69.5	+1.7	97	1	40	§27	48	1.78	−.91	.95	.0	6	18	10	2	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	......	......	......	......	......	......	....	1.20	−2.32	.68	.0	5	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	25	......	......	......	......	......	......	....	2.54	−.44	.86	.0	7	...	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	20	......	......	......	......	......	......	....	1.99	−1.20	.82	.0	7	.. .	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	25	......	......	......	......	......	......	....	2.78	+.12	1.17	.0	6	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	25	......	......	......	......	......	......	....	2.07	−.52	1.24	.0	6	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	......	......	......	......	......	......	....	2.92	+.33	1.22	.0	7	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	40	65.2	+2.2	91	9	36	13	41	1.85	−1.30	.51	.0	9	12	10	8	ne.	U. S. Weather Bureau
Fairmont	Marion	883	35	68.8	+1.4	96	9	43	§13	42	1.54	−1.41	.62	.0	6	22	2	6	w.	J. C. Robinson
Glenville	Gilmer	738	47	71.8	+3.3	98	9	43	§21	44	2.71	−.51	1.23	.0	8	18	7	5	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	68.0	+.9	97	10	37	§13	48	1.78	−.83	.53	.0	7	23	4	3	sw.	L. W. Clayton
Grantsville	Calhoun	900	..	......	......	......	......	......	......	....	2.08	......	.98	..	5	9	16	5	w.	James Roberts
Hastings	Wetzel	809	6	......	... .	......	......	......	......	....	2.35	......	.82	.0	7	22	5	3	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	18	......	......	......	......	......	......	....	2.78	−.46	.76	.0	9	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	67.3	+1.9	93	9	39	21	43	2.32	−.67	.58	.0	9	19	7	4	w.	Chas. H. Washburn
Mannington	Marion	974	38	64.6	−.3	90	9	37	21	42	3.38	−.01	1.45	.0	9	18	7	5	w.	James A. Morgan
Middlebourne	Tyler	750	..	......	......	......	......	......	......	....	2.59	......	.89	.0	7	22	7	1	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	48	...	......	......	......	......	......	....	2.50	−2.37	.80	.0	5	26	2	2	......	Bruce Davis
New Cumberland	Hancock	671	43	69.1	+3.6	95	9	42	27	40	2.00	−.91	.80	.0	6	17	2	11	se.	C. O. Valentine
New Martinsville	Wetzel	637	47	68.6	+.1	95	9	41	§12	44	1.74	−1.29	1.14	.0	4	23	5	2	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	69.9	+2.6	95	9	42	27	37	2.36	−.40	1.11	.0	6	15	10	5	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	65.8	+2.1	92	9	37	13	42	2.74	−.41	.89	.0	9	19	7	4	w.	D. A. Oliver
Philippi	Barbour	1,300	44	.. ..	......	......	......	......	......	....	2.23	−1.07	.87	.0	7	....	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	63.2	+1.4	90	9	31	12	45	2.76	−1.34	.90	.0	10	23	5	2	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	......	......	......	......	......	......	....	2.13	−1.27	.62	.0	8	17	7	6	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	......	......	......	......	......	......	....	2.68	−.80	.93	.0	7	....	....	....	......	W. H. Bolyard
Saint Marys	Pleasants	625	33	......	......	......	......	......	......	....	2.95	+.25	1.62	.0	6	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	40	61.8	.0	88	9	32	12	47	2.02	−1.69	.42	.0	8	16	11	3	w.	Earl Lee
Thomas	Tucker	3,000	12	......	......	......	......	......	......	....	2.11	−1.89	.75	.0	5	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	18	69.7	+1.7	98	§5	39	21	45	2.62	−.90	.80	.0	6	19	8	3	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	66.6	+1.7	96	9	35	27	48	2.30	−.69	.74	.0	5	18	8	4	......	George P. Pfister
West Milford	Harrison	979	16	......	......	......	......	......	......	....	1.88	−1.39	.50	.0	10	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	46	69.6	+2.3	94	9	40	22	46	2.76	+.13	1.10	.0	8	8	21	1	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	68.8	+1.4	93	9	45	§12	38	1.92	−1.00	.73	.0	7	14	10	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	......	......	......	......	......	......	....	1.51	−1.02	.72	.0	9	20	8	2	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	67.0	+2.9	93	9	39	§22	42	2.49	−.05	1.28	.0	7	21	8	1	......	L. A. Mauck
Bluefield	Mercer	2,558	46	^{e}68.6	+2.4	89	9	46	12	....	1.88	−.44	.88	.0	8	18	10	2	......	Norfolk & Western Ry.
Charleston	Kanawha	602	38	......	......	......	......	......	......	....	4.18	+1.20	1.92	.0	7	....	....	....	......	Charleston Daily Mail
Clay	Clay	790	25	......	......	......	......	......	......	....	4.36	+1.14	1.77	.0	10	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,270	3	63.8	......	87	9	38	27	36	.98	......	.28	.0	6	12	12	6	se.	U. S. Airway Station
Gary	McDowell	1,426	25	^{a}68.5	.0	92	9	43	§14	38	4.13	+1.14	1.68	.0	6	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	71.6	......	94	9	45	§21	44	2.06	......	.66	.0	7	14	11	5	sw.	State Forest Nursery
Hamlin	Lincoln	642	..	73.6	......	96	10	39	22	46	1.69	......	.56	.0	7	16	8	6	......	Calvin Curry
Hinton	Summers	1,431	44	70.1	+2.1	95	§8	42	21	43	3.36	+.67	2.50	.0	7	....	....	....	......	Mrs. M. L. McClung
Huntington	Cabell	571	44	73.8	+4.8	98	9	48	27	41	1.86	−.59	.72	.0	5	13	16	1	sw.	H. N. Robinson
Institute	Kanawha	606	3	70.0	......	96	9	44	§12	42	2.70	......	1.08	.0	8	....	....	....	......	Civil Aero. Administration
Kayford	Kanawha	1,335	25	......	......	......	......	......	......	....	3.95	+.57	1.18	.0	7	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	67.4	+3.1	90	§9	37	13	42	1.69	−1.00	.94	.0	6	18	7	5	......	J. K. Monroe
Logan	Logan	700	38	^{d}73.2	+2.8	......	......	47	§15	45	.99	−2.16	.56	.0	7	15	12	3	......	Paul A. Simonds
London Locks	Kanawha	623	5	72.0	......	97	9	49	§12	37	3.97	......	1.17	.0	8	15	14	1	se.	Lockmaster
Madison	Boone	675	20	^{e}68.5	+.8	93	9	44	21	....	1.50	−1.96	.55	.0	7	19	7	4	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	^{e}67.0	+5.8	92	9	37	§13	47	2.73	−.28	.94	.0	10	10	17	3	w.	Edward A. Moore
Point Pleasant	Mason	595	42	68.4	+2.5	95	9	40	§12	45	2.39	−.02	.70	.0	6	23	6	1	s.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	64.1	+1.2	89	2	34	13	44	1.33	−1.79	.44	.0	9	20	8	2	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	71.0	+1.6	99	10	39	27	46	2.95	+.65	1.52	.0	7	18	5	7	se.	Lockmaster
Richwood	Nicholas	2,193	11	67.2	+2.5	91	9	40	13	39	5.35	+2.24	2.70	.0	10	17	9	4	se.	Cherry River Paper Co.
Ryan	Roane	700	38	68.2	+3.6	91	9	40	21	44	2.01	−.99	.54	.0	8	21	9	0	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	62.2	......	90	9	30	§13	49	1.49	......	.97	.0	5	22	8	0	w.	Supt., State Forest
Spencer	Roane	789	37	69.4	+2.9	93	§9	41	27	44	3.34	+.46	1.79	.0	7	17	12	1	.....	A. M. McKown
Summersville	Nicholas	1,900	5	......	......	......	......	......	......	....	5.97	......	2.10	.0	8	....	....	....	......	A. E. Dorsey
Sutton	Braxton	850	35	70.7	+2.0	97	§9	41	21	43	1.93	−1.42	.55	.0	8	....	....	...	......	C. B. Eakle
Union	Monroe	2,200	37	66.1	.0	93	2	37	13	49	1.99	−.56	.87	.0	6	16	0	14	......	C. B. King
Wayne	Wayne	598	14	......	......	......	......	......	......	....	5.52	+2.43	2.77	.0	6	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	65.2	+.3	90	§2	36	13	41	2.85	+.01	.95	.0	6	26	1	3	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	72.5	+2.8	95	§1	48	21	40	3.06	+.07	.81	.0	10	18	8	4	ne.	J. E. Dotson
Winfield Locks	Putnam	571	3	71.2	......	95	9	47	§12	41	2.68	......	.67	.0	7	19	7	4	sw.	Lockmaster
State averages and	extremes	......	....	67.8	+1.4	99	10	26	§13	59	2.22	−0.66	2.77	.0	7	18	9	3	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Estimated.

Daily Precipitation for September 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac				.18	.30	.50		.11			.28																		T.			1.37
Brandywine	do		.36		.12	.06		T.				.14																					.68
Brushy Run[2]	do			.15	.18	.04	.24		.07			.86																		.02			1.56
Harpers Ferry[2]	do					.82	.17					.32																					1.31
Inwood	do				1.02	T.						.77																					1.79
Kearneysville	do				.43	.31	.16					.50																					1.40
Knobly Mountain[2]†	do					.20	.15																										.35
Martinsburg[2]	do					.53	.20					.55																					1.28
McNeill†	do			T.	.06	T.	.26	.03			.24	.19																					.78
Petersburg	do				.35		.04				.04	.10																					.53
Piedmont	do				.07	.18	.12				.02																			T.			.39
Romney	do				.30	.10					.60																						1.00
Spruce Knob[2]†	do			T.	.17	.22	.44		.48	.11	.14															T.			T.				1.56
Stony River Dam[2]†	do				.62	.20																											.82
Wardensville[2]	do					.07	.21		T.			.73																					1.01
Northern Division																																	
Aberdeen†	West Fork	.26	.05		.35	.29	.49	.05			.24	.13																		.02			1.88
Alpena	Cheat	.07		.48	.40	.22	.46	.05	.50		.92	.11																		.14			3.35
Belington[2]	Tygart		.13		.07	.37	.52		.38		T.	.14															T.			.13			1.74
Benson†	West Fork	.36			.20	.60	.65	.07			.50	.10																		.02			2.50
Bens Run	Ohio	.95			.91	.53		.32			.17																						2.88
Big Skin Creek†	West Fork	1.22			.31	.64		.14			.16																			.06			2.53
Brownsville†	do	.11	.05		.57	.28	.85	.06				.75																					2.67
Buckhannon	Tygart	.30	.05	T.	.12	T.	.80	.05			.28																						1.60
Cairo	Litl.Kanawha	1.29	.63		.62		.47	.02			.38	.35																					3.76
Clarksburg[2]	West Fork		.32		.32	.53	.62		.27			1.03																		.01			3.10
Crawford	do	.39	.15		.23	.19	.05	.03	.01		.20	.06																		.04			1.35
Creston[2]	Litl.Kanawha	T.	.10		.10	T.	.95		.10			.50																		.03			1.78
Dailey[2]†	Tygart		.19		.88	.28	.27	.39			.03	.19																		.18			2.41
Dam 10, Mon. R.[2]†	Monongahela		.12		.14	.08	.68					.18																					1.20
Dam 13, O. R.[2]†	Ohio	.10			.67	.06	.86				.79	.05																		.01			2.54
Dam 15, Mon. R.[2]†	Monongahela		.05		.20	.60	.82		.02		.15	.15																		T.			1.99
Dam 19, O. R.[2]†	Ohio		1.07	T.	1.17	T.	.40	T.	.09		.04																T.			.01			2.78
Dam 20, O. R.[2]†	do		.18		1.24	.03	.49		.05		.08																			T.			2.07
Elizabeth (Dam 3)[2]	Litl.Kanawha		1.22		.34		.53		.04		.67	.04																		.08			2.92
Elk†	West Fork	.60			.30	.64	.39		.07		.52																			.07			2.59
Elkins[1]‡	Tygart	.29		.07	.39	.51		.26		T.	.17	.01														T.			T.	.11	.04		1.85
Fairmont[2]	Monongahela	.02			.30	.30	.62		.02			.28																		T.			1.54
Glenville[2]	Litl.Kanawha		1.23	T.	.09	.21	.64		.03		.07	.38															T.			.06			2.71
Grafton	Tygart		.08		.40	.25	.53		.02			.47																		.03			1.78
Hackers Creek†	West Fork	.53	.02			.35	.78	.05			.34																						2.07
Hall[2]	Tygart		.37		.03	.40	.53		.14			.15																		.11			1.73
Harrison Co. Airport[2]	West Fork		.28		.46	.34	.56	T.	T.			.80																		.02			2.46
Hastings	Ohio	.11			.82	.05	.80	.05			.38	.14																					2.35
Horner	West Fork	.20			.36	.18	.62																										[illegible]
Ireland	do	.23	.47	.06	.28	.14						.87																		.11			2.16
Jane Lew	do	.50	.02		.27	.47	.76	.07	.03		.39	.27																					2.78
Kumbrabow St. For.†	[2]Tygart	.22			.80	.96			.19		.14																						2.31
Lost Creek (near)	West Fork	.49			.55	.58	.07	.06	.15		.28	.08																		.06			2.32
Mannington	Monongahela	.07	.02		.90	.60	.16	.03	T.		1.45	.13																		.02			3.38
Middlebourne	Middle Is. Creek		.41		.39	.13	.63		.06		.08	.89																					2.59
Midvale[2]†	Tygart		.29		.03	.20	.51		.15		.07	.40																		.11			1.76
Morgantown	Monongahela	.25			.50	.50					.80	.45																		T.			2.50
Mt. Clare	West Fork	.39			.39	.56	.10		.10	T.	.32	T.																		.03			1.89
New Cumberland	Ohio	.34		.67	.04	.80					.09																		.06				2.00
New Martinsville	do	.06			.52			.02			1.14																						1.74
Parkersburg[1]‡	do	1.11	T.	.87	T.	.26		.08			.02															T.			.02		T.		2.36
Parsons	Cheat		.02		.89	.26	.61	.02	.13	.14		.58																		.09			2.74
Philippi[2]	Tygart		.10		.23	.25	.87		.20			.53															T.			.05			2.23
Pickens	do	.32	.10	.21	.30	.90	.05	.18			.30	.15																		.25			2.76
Roanoke	West Fork	.52			.62	.11	.52	.04	.06			.19																		.07			2.13
Rockford†	do	.46			.22	.90	.10	.06	.15		.40	.09																		T.			2.38
Rowlesburg[2]	Cheat		.08		.53	.93	.66		.08			.35															T			.05			2.68
Saint Marys[2]	Ohio		1.62		.64		.50		.08		.08																			.03			2.95
Salem	West Fork	.28	.08		1.48	.08	.78		.08		1.10	.30																		.04			4.22
Shinnston	do	.49			1.00	.10		.24			1.00	T.																		.05			2.88
Terra Alta†	Cheat	.20	.15		.12	.36	.40		.03			.34																		.42			2.02
Thomas[2]	do		.09		.36	.75	.67					.24																					2.11
Valley Chapel	West Fork	.32			.53	.37	.80	.08				.52																		T.			2.62
Valley Head[2]	Tygart		.49	.02	.16	.02	.85		.12			1.20																		.10	T.		2.96
Vandalia†	West Fork	.35			.31	.61		.16			.25																						1.68
Wellsburg (near)	Ohio	.49			.72	.74		.18			.17																			T.			2.30
West Milford	West Fork	.50	.05		.48	.17		.05	.04		.05	.45	.04																	.05			1.88
Weston[2]	do		.22		.17	.71	1.10		.11		.06	.31																		.08			2.76
Wheeling (Dam 12)[2]	Ohio	.19			.71	.14	.59				.19	.07																		.03			1.92
Southern Division																																	
Arbovale[2]	Greenbrier		.04	.23	.72	.16	.16		.10	.05		T.															.01			.04			1.51
Beckley	New			1.28	.08	.68				.06	.24	.09														T.	T			.06			2.49
Bluefield	New			.88	.26	.01	.17		.13		.16	.20																		.07			1.88
Camden-on-Gauley[2]	Gauley		.38	.05	.46	.07	.33		.67			.26																		.15			2.37
Charleston[2]	Gr. Kanawha		.20	1.92	.72	.05	.46		.10			.73																		T.			4.18
Clay[2]	Elk		.25	.27	.31	.08	.69		1.77		.04	.72							.19											.04			4.36
Flat Top[4]	New		.15	.12	T.	.27				.05	.28	T.																		.11			.98
Gary[2]	Big Sandy			1.57	1.68	.13	.26					.47																		.02			4.13
Greenbottom[2]†	Ohio			.16		.66		.29	.40	.33																				.01	.21		2.06
Hinton[2]	New			2.50	.20		.21		.16		.05	.21																		.03			3.36
Hogsett[2]	Ohio		.99		.13	.02	.75	T.	.65		.07	.06																					2.67
Huntington	do		.02		.16	.65		.31			.72															T.				T.			1.86
Institute[4]	Gr. Kanawha	T.	1.03	.10	.07	.64		.14		.48	.22																		.02				2.70
Kayford[2]	do		.10	.01	1.00		1.05		.48			1.18																		.10			3.95
Lewisburg	Greenbrier			.94	.33	.07	.14	.04			T.	.17																					1.69
Logan[2]	Guyandot		.02	.02	.09	T.	.56	.01	T.			.26															T.			.03			.99
London Locks[2]†	Gr. Kanawha		.30	1.06	.12	.18	.69		1.17			.38																		.07			3.97
Madison[2]	Coal			.07	.27	.46	.55		.09	.01																				.05			1.50
Marlinton	Greenbrier	.42	.05	.72	.94	.06	.15	.06	.16			.14																		.03			2.73
Point Pleasant[2]	Ohio		.70		.10	.59	.59		.26		.06																	T.		.09			2.39
Princeton[2]	New			.82	.33	.03	.19		.40			.75								T.										T.			2.52
Rainelle	Greenbrier	.02		.44	.29	.30		.04	.01		.10	.02																		.10	.01		1.33
Ravenswood[2]	Ohio		1.52		.58		.56		.14		.06	.05																		.04			2.95
Richwood[2]	Gauley	.02	.28	.32	.99	.06	.45		2.70			.21															.12			.22			5.35

Continued on next page.

Daily Precipitation for September 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.49	....	.07	.05	.41	....	.31	.10	....	.54	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	2.01
Seneca State Forest†	Greenbrier	....	....	....	.97	.10	.27	.07	....	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.49
Spencer[2]	Litl.Kanawha	....	1.79	....	.17	T	.48	....	.23	....	.25	.35	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	.07	....	....	3.34
Summersville[2]	Gauley	....	.50	....	1.02	....	.30	.13	2.10	.05	.10	1.75	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	5.97
Sutton	Elk	....	.42	.05	.09	.30	.55	.22	....	....	....	.22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	....	....	1.93
Thornwood[2]	Greenbrier	.10	.02	.10	.15	.16	.28	.08	.05	....	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	1.06
Union[2]	New	....	....	.87	.35	....	.06	....	.53	....	....	.17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	1.99
Wayne[2]	Twelvepole	....	1.03	.08	.92	...	.72	....	....	....	1.84	.93	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.52
White Sulp'r Spgs.[2]	Greenbrier	....	.95	.40	.75	.35	....	.15	....	....	.25	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.85
Williamson[2]	Big Sandy	T.	.81	.10	.10	.08	.54	....	.30	....	.10	.95	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	...	....	.06	....	....	3.06
Winfield Locks[2]†	Gr. Kanawha	....	.08	.45	.22	....	.65	....	.61	....	....	.66	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	.01	....	....	2.68

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning: amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for September 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	75	80	82	81	80	78	78	85	90	86	65	65	70	78	80	80	81	75	72	71	78	82	82	85	78	65	72	77	61	80	....	77.1
	Minimum	62	62	55	57	60	59	60	54	51	52	50	28	26	27	32	33	40	40	32	31	26	28	29	32	40	48	36	30	43	36	....	42.0
Beckley	Maximum	89	88	87	86	84	82	84	88	93	87	73	74	73	79	82	82	83	80	78	76	78	81	81	77	78	75	79	82	74	86	....	81.3
	Minimum	61	61	66	66	63	59	55	63	61	62	54	40	44	48	46	49	49	57	47	49	44	39	43	47	63	55	39	46	56	49	....	52.7
Bluefield	Maximum	..	89	87	78	83	79	..	85	89	85	71	69	70	..	78	80	82	80	78	71	..	76	82	84	81	76	77	..	80	83	....	79.7
	Minimum	..	62	66	68	67	58	..	60	65	65	57	46	49	..	55	57	55	60	50	54	..	57	48	50	69	60	47	..	56	56	....	57.5
Brandywine	Maximum	91	82	80	89	88	87	89	89	95	91	75	70	73	80	83	85	89	78	80	75	79	82	83	88	79	78	79	85	80	78	....	82.7
	Minimum	59	58	64	63	61	53	52	55	57	59	53	38	31	35	40	42	44	52	36	40	32	34	35	42	46	49	42	45	42	41	....	46.7
Buckhannon	Maximum	80	81	84	83	82	80	80	84	88	85	70	66	73	77	75	76	80	77	75	76	74	77	79	83	80	75	70	78	77	80	....	78.2
	Minimum	66	65	66	66	66	64	58	62	63	66	55	41	40	40	44	46	53	53	47	45	36	42	49	48	53	59	41	44	42	52	....	52.4
Charleston (Airport)	Maximum	92	90	94	89	90	87	86	94	96	92	74	73	80	85	89	88	90	81	82	81	83	84	87	94	82	69	81	89	73	91	....	85.5
	Minimum	65	68	68	66	63	61	59	65	67	59	49	41	45	47	51	55	58	50	49	48	44	50	53	52	55	47	48	49	53	50	....	54.6
Clarksburg[3]	Maximum	82	85	88	85	86	84	83	89	96	89	70	70	78	81	85	85	85	77	78	78	81	83	84	89	82	67	75	83	67	86	....	81.7
	Minimum	68	63	63	66	69	63	59	62	63	65	53	43	40	42	45	50	53	50	47	46	40	43	45	47	52	51	44	41	45	50	....	52.4
Elkins	Maximum	80	83	85	83	83	81	82	86	91	87	67	69	72	78	82	81	81	76	72	73	78	79	81	84	78	67	73	81	65	83	....	78.7
	Minimum	68	67	66	66	63	63	61	61	61	62	48	41	36	37	42	49	52	50	45	47	40	42	45	48	56	49	46	43	49	49	....	51.7
Fairmont[3]	Maximum	81	85	87	92	87	85	83	93	96	92	73	71	81	85	88	81	86	88	80	82	82	86	86	90	83	68	77	85	68	86	....	83.6
	Minimum	68	61	63	68	61	61	60	63	66	69	53	44	43	44	52	52	58	50	49	47	44	46	46	51	55	57	45	43	52	50	....	54.0
Flat Top	Maximum	82	85	79	79	80	76	80	85	87	83	65	67	67	70	74	75	79	76	71	68	68	76	76	81	76	69	74	78	67	79	....	75.7
	Minimum	61	62	64	66	63	58	53	60	58	56	52	44	44	47	44	47	46	46	51	50	46	43	49	45	63	53	38	43	53	48	....	51.8
Gary[3]	Maximum	90	92	87	87	87	84	85	91	92	89	74	76	78	81	85	84	87	86	81	79	80	83	84	70	83	74	..	85	68	90	....	83.2
	Minimum	61	65	65	66	65	59	59	63	64	63	59	50	45	43	47	48	52	56	47	47	43	46	47	47	48	57	50	..	45	54	....	53.8
Glenville	Maximum	91	90	95	91	91	89	89	94	98	94	86	76	81	85	90	90	90	90	85	86	85	89	89	94	91	78	83	87	88	90	....	88.5
	Minimum	66	67	68	70	72	64	60	65	67	67	54	47	45	44	50	53	54	56	47	48	43	46	48	52	52	58	47	43	54	49	....	55.2
Grafton	Maximum	89	88	89	91	88	88	87	90	94	97	92	75	77	85	87	89	87	86	85	85	85	86	88	90	93	82	74	83	85	86	....	86.7
	Minimum	62	60	61	65	65	58	54	57	60	63	50	39	37	38	43	48	50	45	44	42	37	40	41	47	48	53	40	38	48	44	....	49.2
Huntington	Maximum	96	92	95	89	92	91	89	97	98	91	77	76	84	87	92	92	92	86	85	85	85	89	91	96	85	76	80	90	84	93	....	88.5
	Minimum	71	71	73	69	71	65	63	68	70	69	55	49	50	50	56	57	59	61	53	52	49	53	52	55	65	59	48	50	55	54	....	59.1
Lewisburg	Maximum	89	89	83	85	84	82	86	88	90	90	76	71	71	75	81	82	86	83	76	74	78	83	85	86	82	74	78	84	77	83	....	81.7
	Minimum	62	62	66	68	64	58	55	61	63	63	55	42	37	43	47	49	50	58	46	51	42	42	43	49	59	55	43	48	61	50	....	53.1
Logan[3]	Maximum	96	94	89	90	94	..	..	..	..	..	..	..	83	87	89	91	89	88	87	86	89	88	89	98	88	78	86	93	76	95	....	88.8
	Minimum	68	71	71	68	70	64	62	66	68	67	58	50	48	50	47	55	58	50	52	52	47	52	54	52	53	62	56	47	52	55	...	57.5
Madison[3]	Maximum	..	..	..	89	85	..	86	92	93	86	75	76	80	60	..	86	82	83	75	82	84	85	..	92	..	70	64	87	..	..	....	81.5
	Minimum	..	69	69	67	68	63	59	67	67	66	55	49	45	45	49	53	55	62	49	48	44	49	51	50	54	58	50	46	52	51	....	55.5
Mannington	Maximum	82	81	84	84	85	82	79	86	90	85	68	67	74	77	79	81	80	74	75	75	75	78	81	83	82	68	70	80	69	81	....	78.5
	Minimum	66	62	61	67	69	60	57	61	62	66	51	41	38	39	46	49	53	45	45	43	37	40	43	51	49	50	43	38	47	46	....	50.8
Marlinton	Maximum	89	89	83	85	86	83	85	90	92	90	76	74	75	77	84	85	86	85	79	77	81	87	86	87	..	82	..	84	80	..	....	83.6
	Minimum	58	61	66	65	64	51	52	59	60	61	52	40	37	37	62	47	48	55	41	42	36	40	40	45	..	46	..	42	54	..	....	50.5
Martinsburg[3]	Maximum	94	83	83	83	92	91	92	87	96	98	72	72	78	82	89	91	92	90	79	76	72	84	90	87	82	80	77	90	70	72	....	84.1
	Minimum	73	64	64	66	69	68	66	63	65	70	61	47	42	43	49	51	56	56	54	45	46	44	46	49	58	60	50	49	53	45	....	55.7
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Martinsville	Maximum	85	87	90	88	88	87	85	93	95	89	73	72	79	83	87	87	85	80	80	80	83	85	87	89	83	71	77	86	72	82	....	83.6
	Minimum	65	62	62	67	68	59	65	64	64	65	50	41	44	41	50	54	56	50	51	48	43	48	49	56	52	52	45	42	45	48	...	53.5
Parkersburg	Maximum	86	83	89	88	89	87	82	93	95	87	70	70	76	81	86	86	85	78	79	79	80	82	85	91	80	67	77	85	66	88	....	82.4
	Minimum	71	65	68	69	64	66	65	67	71	62	54	48	48	50	60	59	62	55	54	54	48	49	48	54	64	49	42	50	53	52	....	57.4
Pickens	Maximum	83	82	85	81	79	78	80	87	90	86	81	75	73	81	82	81	81	79	80	77	77	79	75	85	79	68	73	77	68	80	....	79.4
	Minimum	57	56	58	58	58	52	52	57	58	56	47	31	34	44	56	44	46	48	41	40	32	35	47	53	48	40	35	40	42	43	..	46.9
Point Pleasant	Maximum	91	86	93	90	92	90	89	92	95	91	78	73	78	83	82	88	80	81	83	82	85	84	83	88	87	74	79	76	79	86	....	84.6
	Minimum	69	64	68	65	68	62	57	63	64	65	47	40	40	43	50	50	54	51	45	43	40	44	43	48	57	51	43	42	41	46	....	52.1
Rainelle	Maximum	88	89	85	85	86	83	81	87	88	86	71	72	70	75	80	81	83	80	67	72	77	82	82	86	77	70	78	63	77	83	....	79.5
	Minimum	53	59	65	66	60	55	49	60	58	58	54	39	34	41	41	43	46	55	43	50	44	39	40	42	44	49	41	38	53	43	....	48.7
Richwood[3]	Maximum	86	88	89	82	85	81	82	85	91	86	84	72	71	77	82	81	82	80	80	78	81	80	81	86	79	72	74	81	71	85	....	81.1
	Minimum	59	65	69	70	69	66	54	56	60	61	57	55	40	45	48	48	49	54	50	48	51	44	43	47	48	56	42	45	50	51	....	53.3
Spencer[3]	Maximum	88	85	91	87	90	86	84	91	93	93	78	71	80	82	86	87	88	86	82	80	81	83	86	91	81	71	79	87	71	88	....	84.2
	Minimum	69	68	69	68	70	64	60	64	65	69	53	43	42	46	52	51	55	55	52	47	42	46	44	49	51	58	41	43	55	50	....	54.7
Sutton	Maximum	92	90	90	90	89	89	86	94	97	97	93	75	78	85	88	88	88	85	81	82	82	83	85	93	93	82	80	81	81	88	....	86.8
	Minimum	64	62	69	68	69	63	58	63	64	66	58	47	44	43	48	52	53	59	48	46	41	45	47	50	52	60	47	43	57	52	....	54.6
Wardensville[3]	Maximum	88	81	79	90	88	85	87	87	94	92	73	69	74	78	84	85	90	77	74	71	76	81	86	86	84	77	76	87	74	78	....	81.7
	Minimum	63	64	66	66	66	62	60	57	61	63	54	39	35	37	42	45	49	47	43	38	35	36	38	47	52	51	45	43	55	39	....	49.9
Weston	Maximum	89	86	88	89	87	85	85	92	94	90	88	71	78	84	85	86	88	83	80	86	85	86	88	84	82	80	80	88	82	87	....	85.2
	Minimum	68	54	66	69	68	64	60	64	65	66	55	44	42	44	49	50	57	63	48	46	41	40	42	50	55	60	45	42	55	51	....	54.1
Wheeling[3]	Maximum	87	82	85	86	87	86	80	89	93	85	70	73	79	82	86	85	84	78	79	79	80	85	88	89	83	72	76	84	65	82	....	82.0
	Minimum	72	60	62	63	68	57	64	60	65	72	51	45	46	47	52	58	63	51	52	50	50	49	50	53	58	59	45	48	49	49	....	55.6
Williamson[3]	Maximum	95	91	90	86	89	88	85	95	94	90	77	78	80	87	87	88	90	87	82	83	86	87	87	93	84	75	83	89	74	91	....	86.4
	Minimum	67	70	71	70	72	66	54	68	70	68	58	52	51	49	54	56	59	63	54	52	48	50	54	54	54	62	54	49	52	56	....	58 6

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.164	.084	.108	.088	.118	.192	.188	.082	.026	.212	.270	.194	.106	.081	.084	.110	.124	.114	.126	.112	.115	.088	.082	.080	.181	.058	.066	.076	016	.204	....	3.549
	Wind movement	30	26	9	5	14	31	77	16	23	120	9	33	25	7	10	10	13	25	24	33	20	7	10	10	7	62	29	36	35	26	....	682
Wardensville	Evaporation	.202	.232	.184	072	.142	.241	.278	.198	.161	.185	.308	.211	.170	.168	.191	.173	.177	.199	.182	.164	.161	.155	.157	.164	.149	.115	.171	.168	.233	.160	....	5.431
	Wind movement	40	53	23	22	20	55	52	43	25	8	43	36	21	24	43	17	27	31	25	28	19	27	18	29	25	46	35	17	66	33	....	950

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 10-29-41—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., OCTOBER 1941 No. 10

GENERAL SUMMARY

The mean temperature for the State averaged 4.9° above the normal, with every station in the State recording a plus departure. Huntington had the greatest departure, being 9.0° above the normal. The first decade was extremely warm, the second was somewhat above normal, and the third averaged just about normal in temperature. Killing frosts and freezes had brought the growing season to an end in most localities by the close of the month.

The average precipitation for the State was about normal. However, the northern division and the Ohio River counties of the southern division were well in excess of normal; elsewhere in the southern division the average was considerably below normal, while the northeastern panhandle division and the extreme eastern counties of the southern division remained very dry. Drought conditions were generally relieved by October rains except in the northeastern panhandle division and the extreme eastern counties of the southern division. No snowfall was reported from any station during the month. This was the seventh time in forty-eight years of record that snowfall was not recorded at any station during the month of October.

The weather was favorable for outdoor activities and farm work was kept about up to normal. Winter grains and grasses were benefited by frequent rains in most sections and were in fair to good condition at the close of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 63 stations, was 59.6°, or 4.9° above the normal. The mean for the northeastern panhandle division was 58.9°; for the northern division, 59.3°; and for the southern division, 60.2°. The highest monthly mean was 65.4° at Huntington and the lowest, 51.5° at Bayard. The highest temperature was 99° at Inwood on the 5th, and the lowest, 17° at Seneca State Forest on the 29th. The greatest daily range was 58° at McNeill on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 123 stations, was 2.89 inches, or 0.05 inch above the normal. In the northeastern panhandle division the average was 1.26 inches; in the northern division, 3.68 inches; and in the southern division, 2.48 inches. The greatest monthly precipitation was 6.20 inches at Pickens and the least, 0.40 inch at Berkeley Springs. The greatest amount in any 24 consecutive hours was 1.54 inches at New Cumberland on the 15th. No snowfall was reported from any station during the month. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Aurora																															
Fogs, dense	1	6		2	4	2	12	2	25	2	7	4	15	1	1	16	8		9	29	26	34	8	23	9	13		7	7	2	
Frosts, killing									9		8	18											1	5	4	13	1	1	13		
Gales											2	1											1		1			1			
Hail																															
Halos, lunar	1	1			1																							2			
Halos, solar																	1									2					
Thunderstorms	3	1	1	3		1		1																							

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.12	30.57	29	29.59	27	7.0	24	sw.	7	86	56	67	49
Columbus, Ohio	30.11	30.49	29	29.55	27	9.0	33	sw.	7	87	58	74	47
Elkins	30.17	30.51	29	29.70	27	5.3	22	nw.	23	90	57	79	47
Huntington Airp't	30.12	30.47	29	29.65	27	......	18	sw.	5	88	50	78	....
Parkersburg	30.12	30.50	29	29.65	27	5.3	22	nw.	23	86	58	71	46
Pittsburgh, Pa	30.12	30.53	29	29.62	27	10.2	37	nw.	10	84	51	70	43

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	......	7	......	......	......
1892	52.6	89	24	.21	1.05	.48	.83	......	4	......	......	......
1893	54.1	86	16	4.85	4.20	5.91	4.74	.....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	48.1	89	8	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.00	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	62.3	102	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	.40	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	7.30	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	8	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
Period	54.7	102	8	2.67	2.98	2.71	2.84	.3	8	16	7	8

Climatological Data for October 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	51.5	+2.3	83	7	19	26	44	2.96	−0.30	0.70	0.0	9	18	2	11	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	....	59.9	......	95	§5	26	27	46	.40	......	.20	.0	6	13	0	18	w.	Roy B. Widmyer
Brandywine	Pendleton	1,586	25	56.8	+3.5	93	7	20	26	52	.91	−1.46	.26	.0	5	25	0	6	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	52	......	......	......	......	......	......	....	1.13	−2.13	.35	.0	7	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	9	61.2	......	99	5	27	26	50	1.27	......	.47	.0	5	15	11	5	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	61.4	+6.5	98	5	26	29	42	1.35	−1.91	.68	.0	8	12	12	7	nw.	University Exper. Station
Martinsburg	Berkeley	435	49	60.8	+6.1	98	6	30	29	42	1.37	−1.70	.75	.0	10	19	12	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	45	57.8	+3.7	95	§5	18	26	58	.85	−1.46	.25	.0	6	13	9	9	w	R. E. Saville
Piedmont	Mineral	1,053	28	58.7	+5.3	90	7	27	26	40	1.42	−1.23	.40	.0	11	11	8	12	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	43	59.8	+4.9	96	6	24	26	50	2.13	−.42	.40	.0	8	20	7	4	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	21	......	......	......	......	......	......	....	1.84	−1.36	.75	.0	5	8	5	18	w.	A. C. Becker
Wardensville	Hardy	1,200	20	58.6	+6.0	92	5	23	26	49	.75	−2.41	.26	.0	8	10	12	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	......	......	......	......	......	......	....	3.74	+.20	.77	.0	13	9	11	11	......	L. Esle Bond
Alpena	Randolph	2,571	10	54.8	+5.4	85	6	22	29	48	4.51	+1.77	1.05	.0	13	12	12	7	......	Christian Hertig
Benson	Harrison	1,080	17	60.6	+7.7	89	7	26	§26	48	3.72	+.16	.71	.0	13	10	14	7	......	R. D. Marts
Bens Run	Pleasants	652	39	61.2	+4.6	90	7	30	29	35	3.71	+.69	.79	.0	15	17	8	6	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	55.4	......	85	8	23	26	36	4.32	......	.91	.0	14	....	....	....	......	James I. Galloway
Brownsville	Lewis	1,032	18	60.0	+5.4	88	§7	28	§26	43	3.19	+.23	.75	.0	12	9	7	15	......	M. D. Hawkins
Buckhannon	Upshur	1,411	44	59.2	+5.4	89	7	28	§26	39	3.59	+.45	.70	.0	13	14	8	9	......	H. A. Darnall
Cairo	Ritchie	680	40	61.6	+5.8	92	7	25	29	45	3.32	+.40	.81	.0	15	12	12	7	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	57.4	+4.0	88	7	29	§26	40	2.76	−.37	.57	.0	13	11	12	8	se.	Clarksburg Water Board
Crawford	Lewis	1,107	18	......	......	......	......	......	......	....	3.16	−.33	.68	.0	14	12	10	9	sw.	George W. Blair
Creston	Wirt	640	39	61.6	+5.9	92	§6	26	29	55	3.00	−.15	1.03	.0	13	12	7	12	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	......	......	......	......	......	......	....	3.32	+.15	.89	.0	12	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	25	......	......	......	......	......	......	....	2.75	+.06	.52	.0	14	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	20	......	......	......	......	......	......	....	3.17	−.07	.94	.0	12	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	25	......	......	......	......	......	......	....	2.18	−.47	.48	.0	10	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	25	......	......	......	......	......	......	....	2.51	−.24	.60	.0	12	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	......	......	......	......	......	......	....	3.09	+.17	1.08	.0	10	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	40	58.0	+5.7	86	5	26	29	39	2.83	−.08	.58	.0	14	5	8	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	59.3	+4.2	91	7	30	29	40	4.00	+.89	.80	.0	13	9	7	15	w.	J. C. Robinson
Glenville	Gilmer	738	47	63.0	+6.8	93	§6	29	29	47	3.47	+.26	.83	.0	13	7	8	16	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	59.8	+4.6	90	§7	25	26	46	4.35	+1.39	.86	.0	14	15	5	11	......	L. W. Clayton
Grautsville	Calhoun	900	..	^{d}61.2	......	^{d}97	5	^{d}34	§11	^{d}39	2.56	......	.87	..	8	6	19	6	e.	James Roberts
Hastings	Wetzel	809	6	......	......	......	......	......	......	....	2.70	......	.50	.0	13	14	8	9	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	18	......	......	......	......	......	......	....	4.02	+.70	.84	.0	16	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	^{a}55.0	+0.8	^{a}88	7	28	25	38	4.43	+1.44	.93	.0	14	7	13	11	w.	Chas. H. Washburn
Mannington	Marion	974	38	57.7	+4.1	87	7	25	26	40	3.81	+.64	.66	.0	18	11	5	15	w.	James A. Morgan
Middlebourne	Tyler	750	..	......	......	......	......	......	......	....	2.93	......	.71	.0	14	12	7	12	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	48	......	......	......	......	......	......	....	....	......	....	..	..	....	....	....	......	Bruce Davis
New Cumberland	Hancock	671	43	59.7	+5.7	90	6	30	26	36	4.84	+2.12	1.54	.0	13	8	4	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	......	......	90	7	......	......	....	4.25	+1.13	.91	.0	13	12	10	9	nw.	Dr. Z. W. Aukrom
Parkersburg	Wood	615	54	61.4	+5.3	90	7	31	29	35	3.06	+.58	.85	.0	13	8	11	12	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	58.7	+7.2	86	7	28	26	40	4.29	+1.02	.81	.0	16	....	....	....	......	D. A. Oliver
Philippi	Barbour	1,300	44	......	......	......	......	......	......	....	3.36	+.22	.93	.0	12	....	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	55.0	+3.3	81	2	27	12	44	6.20	+2.16	1.15	.0	14	12	12	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	......	......	......	......	......	......	....	3.65	+.23	.82	.0	11	15	5	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	......	......	......	......	......	......	....	4.34	−.01	1.12	.0	14	....	....	....	......	W. H. Bolyard
Saint Marys	Pleasants	625	33	......	......	......	......	......	......	....	3.37	+.51	.75	.0	12	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	40	54.8	+5.8	82	7	22	26	44	5.77	+1.88	.96	.0	14	12	6	13	w.	Earl Lee
Thomas	Tucker	3,000	12	......	......	......	......	......	......	....	4.07	−.17	1.09	.0	10	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	18	^{c}63.4	+8.0	^{c}91	6	^{c}33	§12	41	4.69	+1.28	.87	.0	13	9	13	9	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	58.1	+4.6	90	§6	24	26	45	3.82	+1.10	.97	.0	13	13	7	11	......	George P. Pfister
West Milford	Harrison	979	16	......	......	......	......	......	......	....	4.46	+.24	.82	.0	15	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	46	63.2	+7.7	90	§5	30	§26	42	3.43	+.62	.84	.0	14	1	25	5	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	58.8	+3.9	89	§6	32	29	37	2.91	+.18	1.22	.0	15	13	6	12	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	......	......	......	......	......	......	....	2.01	−.63	.53	.0	10	15	11	5	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	59.0	+4.6	88	§5	28	29	44	2.73	−.25	.86	.0	13	12	14	5	......	L. A. Mauck
Bluefield	Mercer	2,558	46	^{e}60.2	+4.5	......	......	......	......	....	1.76	−1.01	.57	.0	12	14	4	13	......	Norfolk & Western Ry.
Charleston	Kanawha	602	38	......	......	......	......	......	......	....	2.32	−.72	.46	.0	12	....	....	....	......	Charleston Daily Mail
Clay	Clay	790	25	......	......	......	......	......	......	....	2.69	−.29	.45	.0	14	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,270	3	56.4	......	84	6	28	26	38	2.37	......	.65	.0	11	8	11	12	se.	U. S. Airway Station
Gary	McDowell	1,426	25	60.4	+4.8	92	6	31	§12	48	2.50	−.40	1.18	.0	12	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	63.0	......	92	6	27	29	40	3.39	......	1.11	.0	13	6	11	14	sw.	State Forest Nursery
Hamlin	Lincoln	642	..	......	......	......	......	......	......	....	....	......	....	....	..	....	....	..	......	Calvin Curry
Hinton	Summers	1,431	44	61.0	+4.0	95	7	31	29	48	1.27	−1.56	.65	.0	9	....	....	....	......	Mrs. M. L. McClung
Huntington	Cabell	571	44	65.4	+9.0	95	7	32	29	42	3.34	+.82	1.12	.0	16	9	14	8	sw.	H. N. Robinson
Institute	Kanawha	606	3	61.5	......	94	6	29	29	41	3.04	......	.71	.0	17	7	13	11	ne.	Civil Aero. Administration
Kayford	Kanawha	1,335	25	......	......	......	......	......	......	....	2.74	−.58	1.05	.0	13	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	59.3	+6.1	90	§5	25	29	45	1.67	−1.33	.62	.0	9	12	9	10	......	J. K. Monroe
Logan	Logan	700	38	64.0	+3.9	96	7	36	12	48	2.67	−.38	1.07	.0	10	8	12	11	......	Paul A. Simonds
London Locks	Kanawha	623	5	62.8	......	92	7	37	29	37	2.53	......	.67	.0	12	....	....	....	e.	Lockmaster
Madison	Boone	675	20	......	......	......	......	......	......	....	....	......	....	..	..	....	....	....	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	^{c}58.0	+8.4	^{c}90	6	^{c}25	§12	46	2.17	−.82	.80	.0	6	....	....	....	w.	Edward A. Moore
Point Pleasant	Mason	595	42	63.2	+6.0	90	6	33	26	41	2.86	+.05	.85	.0	15	12	12	7	w.	W. Cleveland Bowie
Rainelle	Greenbrier	2,424	11	56.2	+5.4	87	5	26	29	47	2.83	+.22	.90	.0	14	14	4	13	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	62.6	+6.3	92	7	28	29	45	2.92	+.13	1.14	.0	14	10	4	17	sw.	Lockmaster
Richwood	Nicholas	2,193	11	58.4	+5.7	88	6	29	§29	42	3.50	+.65	.80	.0	15	8	10	13	se.	Cherry River Paper Co.
Ryan	Roane	700	38	60.2	+7.5	90	7	26	29	47	3.33	+.17	.79	.0	14	10	15	6	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	55.5	......	86	§5	17	29	55	.95	......	.63	.0	3	11	10	10	w.	Supt., State Forest
Spencer	Roane	789	37	61.0	+6.1	91	§7	27	29	41	3.12	−.04	.69	.0	14	8	13	10	......	A. M. McKown
Summersville	Nicholas	1,900	5	......	......	......	......	......	......	....	3.87	......	.80	.0	9	....	....	....	......	A. E. Dorsey
Sutton	Braxton	850	35	62.6	+5.9	93	§6	30	29	42	3.10	+.11	.55	.0	14	....	....	....	......	C. B. Eakle
Union	Monroe	2,200	37	57.2	+2.8	93	6	23	§12	55	1.02	−1.71	.53	.0	6	....	....	....	......	C. B. King
Wayne	Wayne	598	14	......	......	......	......	......	......	....	2.42	−.46	.48	.0	10	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	57.2	+4.8	89	§5	25	§12	50	2.05	−.76	.65	.0	7	22	4	5	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	63.2	+5.4	93	5	38	§12	40	2.78	−.01	1.26	.0	9	10	9	12	ne.	J. E. Dotson
Winfield Locks	Putnam	571	3	62.4	......	92	6	31	29	39	2.84	.....	.79	.0	13	13	7	11	sw.	Lockmaster
State averages and	extremes	......	....	59.6	+4.9	99	5	17	29	58	2.89	+0.05	1.54	.0	12	12	9	10	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Estimated.

Daily Precipitation for October 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard ²	Potomac	....	.60	.32	.12	....	.03	....	....	....	.32	....	....	....	....	.70	T.	....	....	.50	....	....	....	....	.19	T.	....	....	.18	....	....	....	2.96
Brandywine	.... do	....	....	....	.06	....	....	....	....	....	.24	....	....	....	....	T.	....	....	T.	....	....	....	....	.10	....	....	....	.26	....	....	....	.25	.91
Brushy Run²	.... do	....	.11	T.	T.	....	....	....	....	....	.10	....	....	....	....	.02	.02	....	T.	T	....	....	....	....	.03	....	....	....	.20	....	....	....	.48
Harpers Ferry ²	.... do	....	....	.03	T.	....	....	....	....	....	.23	.08	....	....	....	.33	.03	....	....	.08	....	....	....	....	....	....	....	....	.35	....	....	....	1.13
Inwood	.... do	T.	....	....	....	....	....	....	....	....	.23	....	....	....	....	.35	..	....	.07	....	....	....	....	....	....	....	....	.47	....	....	....	.15	1.27
Kearneysville	.... do	.03	....	.02	....	....	....	....	....	....	.13	.02	....	....	.20	T.	....	....	....	.04	....	....	....	T.	....	....	....	.68	....	....	....	.23	1.35
Knobly Mountain²†	.... do	....	....	.22	....	.03	....	....	....	....	T.	....	....	....	....	.21	.05	....	T.	.16	....	....	....	....	T.	....	....	....	.08	....	....	T.	.75
Martinsburg ²	.... do	....	.10	.05	T.	....	....	....	....	....	.08	.05	....	....	....	.20	.05	....	.02	.05	....	....	....	....	.02	....	....	....	.75	....	....	T.	1.37
McNeill †	.... do	T.	.24	T.	T.	....	T.	....	....	....	.08	....	....	....	T.	.13	....	....	T	....	....	....	....	....	....	....	....	.09	.06	....	....	.25	.85
Petersburg	.... do	....	.23	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	[illegible]
Piedmont	.... do	.02	.07	.05	....	....	....	....	....	....	.07	....	....	....	.13	.23	....	....	.18	....	....	....	....	.08	....	....	....	.14	.05	....	....	.40	1.42
Romney	.... do	.18	.25	....	....	....	....	....	....	....	.30	....	....	....	.40	....	....	....	.20	....	....	....	....	....	....	....	....	.20	.30	....	....	.30	2.13
Spruce Knob ²†	.... do	....	.18	T.	.22	....	....	T.	T.	....	.29	.04	....	....	....	.43	.24	....	T.	.26	....	....	....	....	.34	....	T.	T.	.43	....	....	....	2.43
Stony River Dam ² †	.... do	....	.75	....	.12	....	....	....	....	....	....	....	....	....	....	.45	.15	....	....	....	....	....	....	....	....	....	....	....	.37	....	....	....	1.84
Wardensville ²	.... do	....	.26	.04	....	....	....	....	....	....	.11	....	....	....	....	.12	.01	....	....	.03	....	....	....	....	T.	....	....	.02	.16	....	....	....	.75
Northern Division																																	
Aberdeen†	West Fork	.23	.45	.28	.18	.07	T.	....	....	....	.19	....	....	....	T.	.77	....	....	.24	.32	....	....	....	.16	....	....	....	.10	.13	....	....	.62	3.74
Alpena	Cheat	.29	.10	.09	.60	....	T.	....	....	....	.50	....	....	....	.07	1.05	....	....	.05	.07	....	....	....	.65	....	....	....	.25	.19	....	....	.60	4.51
Belington ²	Tygart	....	.42	.15	.15	.07	T.	T.	....	....	.16	.02	....	....	....	.56	.09	....	.01	.20	....	....	....	....	.39	....	....	T.	.60	.03	....	T.	2.85
Benson †	West Fork	.10	.18	.25	.24	.16	....	....	....	....	.25	....	....	....	.30	.71	....	....	.25	.51	....	....	....	.17	....	....	....	.30	....	....	....	.30	3.72
Bens Run	Ohio	....	.19	.53	.34	.04	.09	.04	....	.02	.24	....	....	....	.58	.30	....	....	.04	.03	....	....	....	....	.22	....	....	.26	....	....	....	.79	3.71
Big Skin Creek†	West Fork	.17	.02	.32	.24	.05	.03	....	T.	....	.25	....	....	....	.25	.30	....	....	.36	.06	....	....	....	.03	....	....	....	.07	....	....	....	.85	3.00
Brownsville †	.... do	.27	....	....	.28	.09	....	....	....	....	.09	....	....	....	....	.75	....	....	.28	.26	....	.03	....	.25	....	....	....	.10	.18	....	....	.61	3.19
Buckhannon	Tygart	.32	.07	.35	.23	.11	....	....	....	....	.25	....	....	....	T.	.70	....	....	.24	.15	....	....	....	.15	....	....	....	.20	.22	....	....	.60	3.59
Cairo	Litl.Kanawha	.05	.30	.10	.18	.15	.03	....	....	....	.15	....	....	....	.15	.66	....	....	.21	.22	....	....	....	.15	....	....	....	.22	.10	....	....	.65	3 32
Clarksburg ²	West Fork	....	.35	.33	.14	.08	.04	.05	....	....	.12	....	....	....	....	.55	....	....	.04	.57	....	....	....	....	.17	....	....	....	.29	....	....	.03	2.76
Crawford	.... do	.20	....	.23	.25	.08	.01	....	....	....	.20	....	....	....	.12	.68	....	....	.15	.21	....	....	....	.37	....	....	....	.12	.10	....	....	.44	3.16
Creston ²	Litl.Kanawha	....	.14	.04	.24	.20	....	T.	....	....	.20	....	....	....	....	1.00	.03	....	.15	.45	T.	....	.03	....	.10	....	....	....	.40	T.	....	.02	3.00
Dailey ²†	Tygart	.01	.17	.04	.29	.05	....	.02	.01	....	.25	.06	....	....	....	.24	.37	....	.02	.04	....	....	T.	....	.25	....	....	....	.27	.04	....	T.	2.13
Dam 10, Mon. R. ²†	Monongahela.	T.	.89	.86	.10	.02	.02	....	....	....	.03	....	....	....	....	.32	.25	....	.03	.70	....	....	....	....	.08	....	....	....	....	....	....	.02	3.32
Dam 13, O. R. ²†	Ohio	.34	.10	.27	.13	.05	....	....	.10	....	.07	T.	....	....	....	.45	.52	....	.04	.39	....	....	....	....	.08	....	....	....	.15	....	....	.06	2.75
Dam 15, Mon. R. ²†	Monongahela	....	.15	.76	.15	....	.06	....	....	....	T.	.02	....	....	....	.45	.20	....	.02	.92	....	....	....	....	.12	....	....	....	.29	....	....	.03	3.17
Dam 19, O. R. ²†	Ohio	....	.46	.06	.08	....	....	....	....	....	.20	....	....	....	....	.40	T.	....	.14	.48	....	....	....	T.	.15	....	....	T.	.10	....	....	.11	2.18
Dam 20, O. R. ²†	.... do	....	.35	.05	.05	.60	....	....	....	....	.11	....	....	....	....	.58	.01	....	.10	.31	....	....	....	T.	.16	....	....	T.	.08	....	....	.08	2.51
Elizabeth (Dam 3)²	Litl.Kanawha	.26	.25	.26	.48	....	....	....	....	....	.16	....	....	....	....	1.08	....	....	.10	.20	....	....	....	....	.15	....	....	....	.15	....	....	....	3.09
Elk†	West Fork	....	.45	.40	.20	....	....	....	....	....	.10	....	....	....	.07	.39	....	....	.77	.21	....	....	....	....	....	....	.27	....	.30	....	....	.97	4.13
Elkins ¹ ‡	Tygart	.22	.13	.06	.13	T.	T.	T.	.03	T.	.31	....	....	....	.29	.27	...	T.	.09	.09	....	....	....	.30	....	....	....	.28	.05	....	....	.58	2.83
Fairmont ²	Monongahela.	.18	.68	.18	.05	....	....	....	....	....	.04	....	....	....	....	.54	.17	....	.09	.80	....	....	....	T.	.19	....	T.	.26	T.	T.	.07	.75	4.00
Glenville ²	Litl.Kanawha	....	.52	.24	.21	.10	....	....	.08	....	.17	....	....	....	....	.78	.05	....	.12	.51	....	....	....	....	.12	....	....	....	.46	....	....	.11	3.47
Grafton	Tygart	....	.53	.83	.11	.08	.24	....	....	....	.18	....	....	....	....	.86	.01	....	.17	.66	....	....	....	....	.21	....	....	....	.39	.01	....	.07	4.35
Hackers Creek †	West Fork	.23	.39	.70	.19	....	....	....	....	....	.12	....	....	....	.60	.10	...	....	.69	.20	....	....	....	.21	....	....	....	.19	.22	....	....	.75	4.59
Hall ²	Tygart	T.	.87	.23	.14	.09	T.	....	....	....	.23	T.	....	....	....	.59	.07	....	.03	.44	....	....	....	....	.28	....	....	T.	.33	.05	....	.02	3.37
Harrison Co. Airport²	West Fork	....	.34	.67	.15	.13	T.	.10	....	....	.17	....	....	....	....	.64	.05	....	.06	.66	....	....	....	....	.20	....	....	....	.26	T	....	.03	3.46
Hastings	Ohio	.02	.19	.16	.19	.03	.10	....	....	....	....	....	....	....	.23	.49	....	....	.48	.04	....	....	....	....	....	....	....	.17	.10	....	....	.50	2.70
Horner	West Fork	.10	.25	.40	.10	.30	....	....	....	....	....	....	....	....	....	1.10	....	....	.26	.30	....	....	....	.22	....	....	....	.10	.20	....	....	.62	3.95
Ireland	.... do	....	.18	....	.18	.12	.21	.16	....	....	.23	....	....	....	....	....	.28	....	.12	....	....	.18	....	.38	....	.45	...	....	....	.17	....	.42	3.08
Jane Lew	.... do	....	.35	.33	.22	.15	.02	....	....	....	.22	....	....	....	.04	.69	.01	....	.33	.42	.01	....	.13	....	....	....	.14	....	.12	T.	....	.84	4.02
Kumbrabow St. For.† ²	Tygart	.42	....	.24	.54	....	.02	..	.03	....	.71	....	....	....	.05	.95	....	....	.02	.18	.01	....	....	.56	....	...	...	.34	.20	....	....	.44	4.71
Lost Creek (near)	West Fork	....	.27	.48	.20	.12	....	....	T.	....	.15	....	....	....	....	.91	.02	....	.06	.72	....	....	....	....	.24	....	.01	.38	T.	....	.05	.82	4 43
Mannington	Monongahela.	.08	.20	.28	.26	.04	.15	.01	.01	T.	.06	....	....	....	.30	.46	T.	....	.53	.25	....	.01	....	.17	....	....	....	.19	.15	....	....	.66	3.81
Middlebourne	Middle Is. Creek	.02	.28	.23	.15	.02	.06	....	....	....	.20	....	....	....	....	.71	.10	....	.11	.50	....	....	....	....	.16	....	....	....	.35	....	....	.04	2.93
Midvale ²†	Tygart	.16	.36	.13	.24	.11	....	....	....	....	.28	T.	....	....	....	.72	.21	....	T.	.38	....	....	....	....	.23	....	....	....	.53	.08	....	....	3.43
Morgantown	Monongahela.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mt. Clare	West Fork	.09	.25	.50	.24	.07	T.	....	....	....	.13	....	....	....	.25	.59	....	.51	.38	....	....	.01	....	.38	....	....	....	.40	.04	....	....	.73	4.57
New Cumberland	Ohio	.14	.32	1.54	.05	....	.59	.04	....	....	.04	....	....	....	.56	.21	....	....	.57	....	....	....	....	.18	....	....	....	.08	....	....	....	.52	4.84
New Martinsville	.... do	.08	.06	.90	.30	....	....	.04	....	T	.20	....	....	....	.34	.38	....	...	.67	.04	....	....	....	.15	....	....	....	.18	....	....	....	.91	4.25
Parkersburg¹‡	.... do	.13	.38	.04	.18	....	....	....	....	.05	.13	....	....	....	.07	.38	....	.06	.55	....	....	....	....	.11	....	....	T.	.17	T.	....	T.	.81	3.06
Parsons	Cheat	.18	.55	.54	.29	.03	.04	T.	....	....	.26	....	....	....	.14	.81	.01	....	.14	.10	....	T.	....	.25	....	....	....	.14	.14	....	....	.67	4.29
Philippi ²	Tygart	T.	.56	.32	.14	.09	T.	T.	....	....	.15	.06	....	....	....	.93	.08	....	.02	.52	....	....	....	....	.28	....	....	....	.21	T.	....	T.	3.36
Pickens	.... do	.27	....	.32	.97	.07	.04	....	.04	....	.75	....	....	....	.21	1.15	....	....	.20	....	....	....	....	.67	....	....	....	.67	.34	....	....	.50	6.20
Roanoke	West Fork	.18	....	.34	.28	.03	....	....	....	....	.30	....	....	....	.82	....	....	....	.39	....	....	....	....	.42	....	....	....	.08	.20	....	....	.61	3.65
Rockford †	.... do	.02	.45	.65	.18	.10	....	....	....	....	.20	....	....	....	.25	.42	....	....	.45	.40	....	....	....	.27	....	....	....	.12	.20	....	....	.74	4.45
Rowlesburg ²	Cheat	....	.18	.26	.25	.09	.10	.13	....	....	.32	.17	....	....	....	1.12	.17	....	T	.83	....	....	....	....	.30	....	....	...	.38	T.	....	.06	4.34
Saint Marys ²	Ohio	....	.28	.61	.14	.23	.14	.01	....	....	....	....	....	....	.75	....	....	....	.15	.53	....	....	....	....	.15	....	....	...	.25	....	....	.13	3.37
Salem	West Fork	.35	.33	.38	.30	....	.03	....	....	....	.30	....	....	....	.27	.60	....	...	.48	.22	....	....	....	.40	....	....	....	.22	....	....	....	.70	4.58
Shinnston	.... do	.22	....	.04	....	.58	.43	....	....	....	.04	....	....	....	.10	.88	....	....	.95	....	.20	...	....	.25	....	....	....	.02	..	....	....	.85	4.56
Terra Alta†	Cheat	.78	.12	.25	.29	....	.20	...	....	....	.57	....	....	....	.29	.96	....	....	.23	.76	....	....	....	.39	....	....	....	.09	.23	....	....	.61	5.77
Thomas ²	.... do	....	1.09	T.	.43	.08	....	....	....	....	.20	.12	....	....	....	.76	.28	....	....	.58	....	....	....	....	.34	....	....	....	.24	T.	....	....	4.07
Valley Chapel	West Fork	.19	.30	.50	.29	.15	....	....	....	....	.24	....	....	....	....	.87	....	....	.32	.47	....	....	....	.16	....	....	....	.20	.23	....	....	.77	4.69
Valley Head ²	Tygart	....	.47	.29	.29	.08	....	....	....	....	.48	T.	....	....	....	.18	.65	....	....	.10	....	....	....	....	.42	....	....	....	.46	.02	....	....	3.44
Vandalia †	West Fork	.34	....	.24	.29	....	....	.08	...	...	....	....	....	....	.18	.66	....	....	.24	....	....	....	....	.55	....	....	....	.16	.12	....	....	.56	3 42
Wellsburg (near)	Ohio	.10	T.	.32	.35	T.	....	.20	.23	....	....	....	....	....	.23	.74	...	...	.65	....	....	.05	....	.21	....	....	....	.05	.12	....	....	.57	3.82
West Milford	West Fork	.08	..	.82	.20	.10	.05	....	....	....	.17	....	....	....	.20	.62	....	....	.46	.45	....	.10	....	.30	....	....	....	.20	.21	....	....	.50	4.16
Weston ²	.... do	.06	.36	.30	.33	.14	....	...	....	....	.21	.02	....	....	....	.72	.12	....	.12	.61	....	....	....	....	.12	....	....	....	.30	....	....	.02	3.43
Wheeling (Dam 12)²	Ohio	.12	.02	.21	.15	.04	....	.24	.08	....	.02	....	....	....	....	.96	.26	....	.04	.45	....	....	....	....	.05	....	....	T.	.23	....	....	.04	2.91
Southern Division																																	
Arbovale ²	Greenbrier	.24	....	.02	.08	.01	T.	....	....	....	.48	....	....	....	....	.22	....	....	T.	....	....	T.	....	.17	....	....	....	.53	.01	....	....	.25	2.01
Beckley	New	....	....	.03	.15	...	....	....	.02	....	.86	....	....	..	T.	.08	.16	.02	.12	....	....	.07	....	.07	....	....	....	.46	.06	....	....	.33	2.73
Bluefield	New	....	.01	....	.10	....	....	....	.03	....	.57	....	....	....	....	.06	.20	....	....	....	.05	....	.15	.11	....	....	....	.09	.03	....	....	.35	1.76
Camden-on-Gauley ²	Gauley	....	.14	.03	.60	.29	....	....	.02	....	.75	T.	....	....	....	.33	.47	....	...	.11	....	..	.04	....	.24	....	.	.04	.31	.02	...	.02	3.41
Charleston ²	Gr. Kanawha.	....	.18	.14	.14	.46	....	....	....	...	.31	....	....	....	....	.12	.14	....	.12	.37	....	....	....	....	.12	....	...	T.	.12	T	....	.10	2.32
Clay ²	Elk	....	.02	.13	.39	.32	....	....	....	....	.43	.01	....	....	....	.19	.23	....	.03	.32	....	....	....	....	.11	....	....	....	.45	.03	....	.03	2.69
Flat Top⁴	New	....	T.	.05	.19	....	....	....	....	.23	.42	....	....	....	....	.24	....	.07	....	T.	....	....	....	.25	....	....	....	.40	.08	....	.03	.41	2.37
Gary ²	Big Sandy	....	....	....	.10	.05	....	....	....	....	1.18	T.	....	....	....	.11	.25	....	.12	.08	....	....	.15	....	.11	....	....	.01	.29	...	....	.05	2.50
Greenbottom ²†	Ohio	.07	.07	.12	.87	....	....	....	....	.30	....	....	....	....	.34	.15	....	.03	.17	.03	....	.02	....	.11	....	....	....	T.	....	....	....	1.11	3.39
Hinton²	New	....	....	....	.08	....	....	....	....	....	.65	T.	....	....	....	.02	.01	....	.03	....	....	....	....	....	.03	....	....	.07	.27	....	....	.08	1.27
Hogsett²	Ohio	.05	.04	.07	.25	.58	....	....	....	....	.35	....	....	....	....	.48	.16	..	.27	.10	....	....	....	....	.10	....	T	....	.16	....	....	.14	2.75
Huntington	.... do	.18	.03	.20	.52	.03	....	....	....	.03	.24	....	....	....	.29	.12	T.	.10	.18	....	....	.02	....	.10	....	....	....	.16	.02	....	....	1.12	3.34
Institute⁴	Gr. Kanawha.	.17	.02	.14	.66	....	....	....	...	.21	.10	....	....	....	.10	.12	....	.17	.21	.02	....	.04	....	.10	....	....	....	.26	.01	..	.03	.68	3.04
Kayford ²	.... do	....	....	.01	.07	....	....	....	.25	....	1.05	...	....	....	....	....	.40	....	.09	.26	....	....	.12	....	.09	....	....	.12	.20	.04	....	.04	2.74
Lewisburg	Greenbrier	....	....	....	.04	....	....	....	....	....	.62	....	....	....	....	.06	....	....	.04	....	....	.02	T.	.05	....	....	....	.47	.03	....	....	.34	1.67
Logan ²	Guyandot	....	....	T.	.26	T.	....	....	T.	....	1.07	T.	....	....	....	.13	.07	...	.12	.12	....	....	.35	....	.12	....	....	....	.38	T.	....	.05	2.67
London Locks²†	Gr. Kanawha.	....	....	.02	.11	.60	....	....	....	....	.64	.03	....	....	....	.24	.12	....	.03	.18	....	....	....	....	.12	....	....	....	.43	T.	....	.01	2.53
Madison ²	Coal	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Marlinton	Greenbrier	....	....	....	.10	....	....	....	....	....	.70	....	....	....	....	.11	....	....	....	....	....	....	....	.15	....	....	....	.80	....	....	....	.31	2.17
Point Pleasant ²	Ohio	.12	.03	.05	.22	.85	T.	....	....	....	.22	....	....	....	....	.78	.05	....	.11	.15	.01	....	.01	....	.08	....	....	....	.13	....	....	.05	2.86
Princeton²	New	....	T.	T.	....	....	....	.10	T.	....	.66	....	....	....	....	.15	T.	T.	....	....	....	....	....	.19	....	....	.02	T.	....	....	....	T.	1.12
Rainelle	Greenbrier	....	....	.10	.40	.02	....	....	....	T.	.90	....	....	....	....	.06	.10	....	.02	.02	....	.13	....	.17	....	.01	....	.49	.06	....	....	.35	2.83
Ravenswood ²	Ohio	T.	.25	.05	.20	.35	....	.10	....	....	.14	....	....	....	....	1.14	.04	....	.05	.14	....	....	....	....	.25	....	....	.02	.15	....	....	.04	2.92
Richwood ²	Gauley	....	....	....	.50	.05	....	....	.04	....	.80	....	....	....	....	.25	.78	....	.02	.07	....	.06	....	.04	.10	....	....	.30	.38	.07	....	.04	3.50

Continued on next page.

Daily Precipitation for October 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.40	.05	.23	.44	....	....	....	....	....	.18	....	....	....	.18	.37	....	.02	.29	.03	....	....	....	.03	....	....	....	.26	.06	....	....	.79	3.3
Seneca State Forest†	Greenbrier	....	....	....	.13	....	....	....	....	....	.63	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.19	.9
Spencer[2]	Litl.Kanawha	....	.17	.09	.27	.35	.02	....	.03	....	.34	....	....	....	....	.69	.08	....	.13	.33	....	....	....	....	.23	....	....	....	.34	....	....	.05	3.1
Summersville[2]	Gauley	....	....	.06	.55	.71	....	....	....	....	.75	....	....	....	....	.51	.75	....	....	.16	....	....	.02	....	.06	....	....	....	.30	....	....	T.	3.8
Sutton	Elk	.23	.05	.09	.46	.18	....	....	....	....	.46	....	....	....	.55	....	....	.04	.05	.05	....	....	....	.25	....	....	....	.23	.09	....	....	.37	3.1
Thornwood[2]	Greenbrier	.04	....	.08	.32	T.	....	....	....	....	.51	....	....	....	....	.10	.16	....	....	....	.01	....	....	....	.78	....	....	.27	.05	T.	T.	.29	2.6
Union[2]	New	....	....	....	.06	....	....	....	....	....	.53	....	....	....	....	....	.05	....	....	....	....	....	....	....	.05	....	....	.08	.25	....	....	....	1.0
Wayne[2]	Twelvepole	....	....	....	.30	.40	....	....	....	....	.39	....	....	....	....	.15	.09	....	.13	....	....	....	.48	....	.12	....	....	T.	.20	....	....	.16	2.4
White Sulp'r Spgs.[2]	Greenbrier	....	....	....	....	....	....	....	....	.65	.15	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	.30	.30	....	....	.05	.50	2.0
Williamson[2]	Big Sandy	....	....	T.	.19	T.	....	....	....	....	1.26	....	....	....	....	.09	.18	....	.44	.05	....	....	T.	....	.20	....	....	....	.34	....	....	.03	2.7
Winfield Locks[2]†	Gr. Kanawha	.19	.16	.01	.30	.79	....	....	....	....	.35	....	....	....	....	.26	.11	....	.12	.20	....	....	....	....	.09	....	....	....	.14	....	....	.12	2.8

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours euding at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for October 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Bayard[3]	Maximum	75	73	78	77	82	82	83	67	75	57	55	65	72	71	63	56	63	67	65	74	67	68	61	54	53	63	65	40	52	67	58	66.
	Minimum	42	53	55	55	53	53	50	49	28	31	33	34	28	29	57	35	24	26	44	41	40	32	32	34	35	19	22	36	27	22	26	36.
Beckley	Maximum	85	86	85	80	88	88	86	80	78	71	64	70	79	77	69	64	57	72	71	70	72	71	68	60	56	67	62	63	60	62	63	71.
	Minimum	63	56	62	62	61	59	59	58	34	50	32	30	36	42	59	46	37	46	56	44	50	47	43	37	34	30	52	37	28	36	48	46.
Bluefield	Maximum	..	82	80	78	..	87	86	82	80	78	60	..	75	74	70	67	61	64	..	73	72	70	69	60	56	..	64	64	55	59	67	70.
	Minimum	..	56	66	66	..	67	62	64	41	54	39	..	35	50	62	49	45	55	..	50	58	56	49	37	38	..	36	43	31	37	52	49.
Brandywine	Maximum	85	89	82	90	91	91	93	81	74	71	66	74	82	84	80	70	72	71	77	75	76	75	70	65	62	65	62	54	55	60	62	74.
	Minimum	43	45	57	54	55	57	52	50	29	51	35	23	30	86	56	40	23	37	53	39	44	40	34	24	31	20	41	39	21	23	40	39.
Buckhannon	Maximum	80	81	80	76	83	83	89	70	70	67	57	68	70	72	70	62	67	66	69	72	71	68	62	61	57	67	66	62	56	66	62	69.
	Minimum	65	67	65	65	61	65	72	53	55	54	35	33	54	43	50	42	35	52	57	45	50	56	43	51	38	28	47	28	28	34	51	49.
Charleston (Airport)	Maximum	87	90	87	85	92	94	93	76	81	67	67	76	82	79	76	68	67	65	74	79	77	75	73	63	63	71	71	61	65	71	64	75.
	Minimum	63	60	66	65	63	64	64	44	43	40	34	35	43	47	50	41	41	52	50	51	53	49	38	34	32	40	56	34	29	38	54	47.
Clarksburg[3]	Maximum	75	84	81	77	87	87	88	71	74	64	62	70	76	74	68	61	70	63	69	75	72	69	65	57	57	68	69	46	57	67	67	70.
	Minimum	52	61	60	60	63	66	61	49	42	43	36	32	36	39	59	41	36	40	53	48	49	43	44	32	33	29	31	44	29	32	39	44.
Elkins	Maximum	78	83	82	75	86	85	85	69	77	66	58	68	76	74	69	59	67	67	67	76	71	70	67	56	55	67	67	57	64	68	59	69.
	Minimum	62	61	63	65	61	63	59	44	38	47	35	30	38	48	49	39	34	51	51	48	52	44	40	34	36	28	55	37	26	35	51	45.
Fairmont[3]	Maximum	74	80	82	78	87	89	91	75	75	65	65	75	79	75	67	64	68	61	71	74	71	72	64	61	60	69	68	68	60	71	68	71.
	Minimum	55	60	62	66	66	69	64	51	44	46	37	37	39	46	63	42	36	40	54	51	51	45	46	32	33	31	32	43	30	36	44	46.
Flat Top	Maximum	80	78	80	75	72	84	83	70	73	65	57	65	72	73	67	60	53	62	68	73	70	68	64	55	54	60	60	58	52	57	59	67.
	Minimum	62	50	61	63	57	63	55	52	38	46	36	39	34	42	59	44	41	45	54	46	47	50	41	35	33	28	53	34	30	32	47	45.
Gary[3]	Maximum	87	84	87	83	90	92	90	77	86	64	65	74	82	80	72	69	64	72	74	81	76	74	72	61	63	70	61	54	67	67	72	74.
	Minimum	55	57	60	63	61	58	59	61	38	40	34	31	38	39	42	51	41	50	52	49	49	56	44	39	34	34	42	54	31	31	38	46.
Glenville	Maximum	88	89	85	80	90	93	93	89	81	70	68	81	84	77	71	69	70	65	76	81	77	74	76	67	64	72	70	69	64	70	61	76.
	Minimum	62	63	66	68	63	68	63	50	42	57	35	34	41	48	64	46	38	53	58	50	53	51	46	35	38	32	52	44	29	35	53	49.
Grafton	Maximum	86	83	87	84	87	88	90	90	75	80	66	74	75	81	74	65	73	76	71	76	77	70	74	64	62	65	72	69	63	70	70	75.
	Minimum	62	57	60	62	58	62	58	48	37	52	33	28	33	44	58	39	31	48	53	45	45	39	39	29	37	25	47	36	26	32	47	44.
Huntington	Maximum	87	93	85	85	93	94	95	84	82	72	71	81	85	85	76	70	66	67	77	79	81	77	75	67	68	71	74	69	63	70	62	77.
	Minimum	68	65	69	69	68	70	67	55	47	58	40	39	46	56	65	49	49	56	59	51	55	52	52	40	37	40	57	42	32	40	55	53.
Lewisburg	Maximum	85	83	83	81	90	90	89	77	81	69	65	73	77	80	78	69	58	67	75	76	76	76	70	62	59	62	61	60	56	59	56	72.
	Minimum	59	55	64	65	59	62	59	58	36	49	38	29	36	40	62	46	38	48	54	46	47	48	42	33	37	31	47	43	25	31	46	46.
Logan[3]	Maximum	94	90	89	90	96	94	96	81	87	70	71	78	85	80	75	71	67	79	76	84	79	80	77	65	65	74	71	48	69	67	71	78.
	Minimum	55	63	63	67	66	64	63	61	43	46	39	36	37	45	49	52	45	52	56	54	55	58	52	42	38	38	42	48	39	39	42	50.
Madison[3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Mannington	Maximum	74	77	80	75	84	84	87	83	69	65	59	69	73	73	67	60	65	61	68	70	71	69	66	59	56	65	69	67	56	68	62	69.
	Minimum	62	59	64	66	60	67	62	46	40	55	33	30	33	46	60	38	32	51	57	46	46	43	42	29	37	25	48	41	26	33	50	46.
Marlinton	Maximum	85	87	85	82	88	90	87	77	79	62	65	71	78	80	73	..	..	68	77	76	77	78	71	63	64	62	65	65	60	..	63	74.
	Minimum	46	53	60	62	59	59	55	56	33	50	35	25	34	36	58	..	..	43	30	42	46	39	34	28	29	26	40	42	25	..	26	41.
Martinsburg[3]	Maximum	90	73	80	89	98	93	97	82	75	70	65	78	79	86	76	67	61	65	75	65	80	73	78	68	66	61	66	56	55	61	66	74.
	Minimum	44	63	60	61	65	72	66	65	48	49	47	37	36	51	53	52	34	35	50	55	48	48	43	40	40	33	37	46	30	31	34	47.
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
New Martinsville	Maximum	79	80	82	80	87	89	90	83	74	66	64	64	77	75	68	63	65	64	69	72	73	70	66	62	60	67	68	68	60	66	66	71.
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
Parkersburg	Maximum	76	83	82	78	88	89	90	73	72	65	64	75	79	75	69	63	67	64	70	76	76	72	69	61	59	68	71	53	58	67	62	71.
	Minimum	63	62	68	68	72	73	69	51	44	49	42	40	46	58	57	49	44	53	57	51	53	50	43	37	41	34	53	36	31	42	55	51.
Pickens	Maximum	78	81	80	77	80	80	80	78	75	66	60	67	70	67	68	60	66	69	69	60	70	68	60	57	53	64	61	57	71	60	56	68.
	Minimum	50	55	57	57	46	57	54	50	31	40	29	27	39	35	42	40	36	50	50	43	44	40	40	29	32	29	52	35	35	34	45	42.
Point Pleasant	Maximum	86	86	84	79	88	90	89	86	73	73	69	76	81	78	70	69	68	65	73	81	75	73	73	78	64	67	73	72	61	65	63	75.
	Minimum	64	61	65	65	66	67	67	55	41	57	36	35	44	54	64	47	41	54	52	49	51	49	51	60	39	33	53	39	37	36	55	51.
Rainelle	Maximum	82	83	82	81	87	85	85	72	79	66	63	71	75	73	68	64	60	69	71	75	69	72	66	61	58	62	61	61	56	58	57	70.
	Minimum	51	48	58	59	57	55	54	57	32	51	35	24	30	30	57	45	34	48	48	39	46	43	37	29	30	28	48	38	26	28	46	42.
Richwood[3]	Maximum	85	81	82	84	79	85	88	86	72	80	62	67	69	75	74	69	63	77	77	71	76	69	67	65	68	60	71	65	49	57	67	72.
	Minimum	58	56	56	57	60	62	59	60	38	40	31	33	34	42	42	46	38	52	51	46	48	50	51	35	34	32	39	48	29	29	36	44.
Spencer[3]	Maximum	88	80	89	83	84	90	91	91	74	77	66	65	75	80	76	69	67	67	64	73	72	76	72	70	67	61	69	71	46	61	70	73.
	Minimum	51	62	64	67	67	68	64	50	39	56	34	34	40	47	63	44	39	48	56	46	49	48	48	32	34	31	57	45	27	39	46	48.
Sutton	Maximum	88	88	84	86	92	93	93	93	80	80	65	74	82	82	74	72	66	66	71	79	79	75	73	63	59	67	70	70	62	70	70	76.
	Minimum	62	62	65	66	62	66	62	56	41	56	35	33	40	44	62	47	39	52	59	50	50	51	43	34	33	32	53	45	30	33	52	48.
Wardensville[3]	Maximum	87	75	82	86	92	88	93	77	75	67	65	75	77	85	78	66	63	70	74	70	79	74	76	60	62	64	65	52	52	63	65	72.
	Minimum	55	59	58	62	58	60	58	51	37	57	45	26	34	44	62	51	26	41	52	45	44	37	37	33	40	23	40	50	28	25	40	44.
Weston	Maximum	85	87	85	80	90	89	90	87	80	78	68	75	79	75	74	64	71	68	72	80	76	73	70	65	60	72	74	72	61	70	68	75.
	Minimum	65	61	64	68	66	69	62	54	42	58	38	35	41	56	64	45	39	55	60	49	52	46	55	36	44	30	58	46	30	36	55	50.
Wheeling[3]	Maximum	70	75	81	81	86	89	89	72	68	65	64	74	77	72	70	63	65	60	66	75	74	72	67	58	57	70	71	47	59	67	68	70.
	Minimum	53	56	57	67	69	62	66	50	46	46	41	42	46	49	57	42	38	40	54	51	52	46	47	37	39	34	34	42	32	34	47	47.
Williamson[3]	Maximum	90	87	85	85	93	91	92	79	85	68	68	75	80	80	74	70	61	77	74	80	79	76	75	61	65	70	68	50	69	64	70	75.
	Minimum	52	62	63	66	66	65	65	64	46	48	41	38	40	45	48	52	46	53	54	56	57	59	53	43	40	40	42	50	39	38	41	50.

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.069	.042	.050	.061	.032	.088	.077	.161	.165	.003	.198	.067	.082	.052	.022	.050	.064	.034	.094	.055	.028	.054	.037	.060	.062	.065	.030	.053	.039	.026	.000	1.9
	Wind movement	18	38	2	15	6	35	20	70	65	26	119	47	37	16	26	29	28	6	3	11	3	33	59	13	61	57	25	55	38	6	8	9
Wardensville	Evaporation	.117	.076	.123	.081	.049	.122	.100	.325	.164	.107	.208	.141	.150	.117	.137	.123	.148	.095	.049	.101	.076	.138	.112	.049	.128	.118	.154	.036	174	....	.026	3.5
	Wind movement	71	37	27	35	10	46	23	70	27	36	105	44	43	22	45	54	35	45	25	31	29	57	20	59	62	80	73	67	40	21	27	1,3

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 12-5-41—925)

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UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40 WEST VIRGINIA SECTION

S. S. SCHWORM

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VOL. XLIX PARKERSBURG, W. VA., NOVEMBER 1941 No. 11

GENERAL SUMMARY

The month was well above normal in temperature, although a few widely scattered stations reported slight deficiencies. The warm periods were from the 1st–6th and the 14–20th, inclusive. The cold periods were from the 8–12th and the 22d–26th, inclusive. No zero temperatures were recorded.

A considerable deficiency in precipitation has been reported from all stations except a few along the Ohio River and several in the northeastern panhandle division. However, the precipitation was well distributed throughout the month. The very dry northeastern panhandle division had nearly normal precipitation which was helpful to the farm water supply and the stream flow. Snow flurries were quite general on the 8–11th and also on the 24th. At a few stations measurable snow fell on the 8th, 9th or 10th. Grafton and Parsons had sleet on the 6–7th, Logan on the 9th, and Romney and Beckley on the 22d. Thunderstorms occurred at widely scattered stations on the 6th and at Institute on the 20th.

Winter grains and pastures remained in good condition during the month. Construction work and other outdoor activities were aided by the mild weather most of the time. Corn husking and practically all harvesting remaining to be done were finished during the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 44.3°, or 1.1° above the normal. The mean for the northeastern panhandle division was 44.8°; for the northern division, 44.2°; and for the southern division, 44.2°. The highest monthly mean was 47.9° at Huntington and the lowest, 38.2° at Bayard. The highest temperature was 80° at Hinton on the 1st and Martinsburg on the 5th, and the lowest, 6° at Seneca State Forest and Thornwood (Fire Weather Station) on the 25th. The greatest daily range was 62° at McNeill on the 15th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 2.31 inches, or 0.42 inch below the normal. In the northeastern panhandle division the average was 2.32 inches; in the northern division, 2.40 inches; and in the southern division, 2.17 inches. The greatest monthly precipitation was 3.88 inches at Point Pleasant, and the least, 1.18 inches at New Cumberland. The greatest amount in any 24 consecutive hours was 1.92 inches at Briscoe on the 6th. The average monthly snowfall was 0.2 inch, or 2.2 inches below the normal. The greatest monthly snowfall was 2.5 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 7.

Lon J. Morehead

Mr. Lon J. Morehead of Belleville, W. Va., died November 16, 1941 at the age of 57. Since 1908 Mr. Morehead had been employed by the United States Engineers on locks in the Ohio and the Great Kanawha Rivers, the last ten years of which he was Lockmaster at Dam No. 20, O. R. As Lockmaster he was an earnest cooperator with the Weather Bureau, both in climatological and river-flood work. His passing is a real loss to both services.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense			7	4	1	1							2	3	1	1	6	2	1		1	1	1		4	2	1	2	7	2	
Frosts, killing																															
Gales	1						1																								
Hail						2																									
Halos, lunar				2	2																							1		3	
Halos, solar																															
Sleet						1	2															2									
Thunderstorms	1					5	1													1											

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.10	30.53	24	29.43	6	7.9	26	sw.	1	85	66	66	48
Columbus, Ohio	30.07	30.48	24	29.36	6	10.8	36	sw.	1	83	58	71	53
Elkins	30.14	30.57	29	29.34	6	5.8	21	w.	7	82	48	66	62
Huntington Airp't	30.12	30.53	24	29.41	6	......	26	w.	6	90	48	75	....
Parkersburg	30.10	30.51	24	29.37	6	5.4	18	w.	20	82	48	61	51
Pittsburgh, Pa	30.07	30.48	28	29.34	6	11.7	36	sw.	1	74	54	61	48

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	......	......	......
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	......	......	......	......
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	.....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	.....	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1 8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.35	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4 51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2 93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
Period	43.2	88	−14	2.18	2.95	2.66	2.73	2.4	9	11	6	13

Climatological Data for November 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	38.2	−0.9	70	§5	8	25	50	2.88	−0.12	1.05	T.	8	17	3	10	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	....	47.2	......	78	15	15	25	48	2.56	......	1.34	T.	4	20	0	10	w.	Roy B. Widmyer
Brandywine	Pendleton	1,586	25	42.5	+.5	75	§18	8	25	58	1.52	−.26	.75	......	3	23	0	7	s.	E. L. Keister
Harpers Ferry	Jefferson	400	52	......	......	......	......	......	......	....	2.06	−.13	1.07	0.0	4	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	9	45.1	......	76	15	17	25	50	2.73	......	.98	......	4	17	6	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	47.2	+2.2	73	14	18	25	41	2.51	−.09	1.02	......	5	17	9	4	w.	University Exper. Station
Martinsburg	Berkeley	435	49	46.4	+3.2	80	5	22	25	46	3.19	+.94	1.25	......	6	24	6	0	w	Dr. H. S. Gardner
McNeill	Hardy	800	45	44.0	+1.7	78	19	7	25	62	1.93	+.38	.93	......	4	13	6	11	w.	R. E. Saville
Piedmont	Mineral	1,053	28	44.8	+2.6	74	18	18	25	44	2.89	+1.00	1.32	......	5	13	7	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	43	46.0	+2.9	78	19	16	25	56	2.15	+.37	.90	T.	4	17	3	10	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	21	......	......	......	......	......	......	....	1.78	−1.17	.98	.5	3	11	2	17	w.	A. C. Becker
Wardensville	Hardy	1,200	20	44.4	+.5	77	18	13	25	55	1.60	−.03	.73	T.	8	10	14	6	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	......	......	......	......	......	......	....	2.52	−.82	.92	.6	7	12	8	10	......	L. Esle Bond
Alpena	Randolph	2,571	10	41.2	+1.9	73	17	7	25	52	2.44	−.87	.78	1.5	8	14	7	9	w.	Christian Hertig
Benson	Harrison	1,080	17	44.8	+1.7	75	2	13	25	47	2.87	−.62	.81	.2	7	12	10	8	......	R. D. Marts
Bens Run	Pleasants	652	39	44.6	+.5	73	18	19	25	37	1.86	−1.03	.81	T.	4	19	7	4	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	42.2	......	70	§18	14	25	45	2.73	......	1.08	......	7	....	....	....	......	James I. Galloway
Brownsville	Lewis	1,032	18	43.2	−1.4	75	§3	15	25	44	1.45	−2.22	.66	T.	5	11	7	12	......	M. D. Hawkins
Buckhannon	Upshur	1,411	44	43.4	+1.2	70	§5	15	25	42	2.41	−.69	1.05	T.	5	17	6	7	......	H. A. Darnall
Cairo	Ritchie	680	40	45.4	+1.7	76	§18	15	25	50	1.83	−1.05	.67	T.	5	11	11	8	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	42.2	−.6	73	§5	16	§25	47	2.81	−.38	.87	T.	6	13	6	11	......	Clarksburg Water Board
Crawford	Lewis	1,107	18	......	......	......	......	......	......	....	1.89	−1.75	.80	.2	7	14	7	9	nw.	George W. Blair
Creston	Wirt	640	39	44.9	+.7	77	§18	14	25	51	2.37	−.38	.90	T.	7	15	4	11	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	......	......	......	......	......	......	....	2.57	−.58	.76	T.	7	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	25	......	......	......	......	......	......	....	1.88	−.50	.65	T.	8	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	20	......	......	......	......	......	......	....	2.87	−.42	.94	T.	8	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	25	......	......	......	......	......	......	....	2.58	−.06	.78	T.	7	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	25	......	......	......	......	......	......	....	2.66	+.06	.95	......	7	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	......	......	......	......	......	......	....	2.40	−.14	1.00	......	5	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	40	42.2	+1.9	74	17	14	25	48	1.80	−.98	.70	T.	7	10	5	15	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	45.2	+2.3	76	18	18	25	42	2.15	−.61	.74	.2	7	13	3	14	sw.	J. C. Robinson
Glenville	Gilmer	738	47	47.6	+3.3	78	§5	17	25	49	2.97	−.08	.86	T.	7	7	10	13	w.	Howard R. Braunon
Grafton	Taylor	1,050	48	44.0	+.9	77	§6	12	25	49	2.45	+.02	.88	.1	6	15	6	9	......	L. W. Clayton
Grantsville	Calhoun	900	..	......	......	76	§18	19	25	....	1.81	......	.59	T.	6	7	14	9	e.	James Roberts
Hastings	Wetzel	809	6	......	......	......	......	......	......	....	2.36	......	.78	T.	10	8	12	10	sw.	L. G. McIntyre
Jane Lew	Lewis	1,020	18	......	......	......	......	......	......	....	2.86	−.46	.92	.2	9	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	41.2	−1.4	73	5	15	24	40	2.11	−.70	.83	.3	8	9	9	12	nw.	Chas. H. Washburn
Mannington	Marion	974	38	42.6	+.6	71	18	14	25	43	2.37	−.67	.76	.4	10	11	7	12	w.	James A. Morgan
Middlebourne	Tyler	750	..	......	......	......	......	......	......	....	2.32	......	.91	T.	7	15	5	10	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	48	......	......	......	......	......	......	....	....	......	....	......	..	....	....	....	......	Bruce Davis
New Cumberland	Hancock	671	43	46.2	+4.6	75	18	21	25	38	1.18	−1.14	.48	......	7	12	1	17	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	45.4	+.6	73	18	18	25	40	1.50	−1.34	.75	T.	3	18	6	6	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	45.6	+1.8	74	18	20	25	37	1.58	−.99	.74	.1	7	12	9	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	43.5	+2.3	73	18	15	25	46	2.17	−.76	.94	.2	9	..	....	. .	nw.	D. A. Oliver
Philippi	Barbour	1,300	44	......	......	......	......	......	......	....	2.66	−.27	.89	.4	8	....	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	42.6	+2.2	74	18	13	25	48	2.63	−1.59	1.09	2.0	7	16	7	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	......	......	......	......	......	......	....	2.20	−1.17	.78	T.	7	15	3	12	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	......	......	......	......	......	......	....	3.14	−.41	1.08	.2	9	....	....	....	......	W. H. Bolyard
Saint Marys	Pleasants	625	33	......	......	......	......	......	......	....	2.44	−.36	.83	......	5	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	40	41.0	+.4	70	18	14	25	44	2.24	−.96	.92	T.	8	15	6	9	w.	Earl Lee
Thomas	Tucker	3,000	12	......	......	......	......	......	......	....	3.78	+.79	1.04	1.0	8	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	18	45.4	+.4	76	18	17	25	47	2.51	−.76	.92	T.	7	10	11	9	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	44.0	+2.2	73	18	14	25	45	1.40	−1.17	.43	T.	5	13	2	15	......	George P. Pfister
West Milford	Harrison	979	16	......	......	......	......	......	......	....	2.58	−1.03	1.15	......	4	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	46	47.0	+3.0	78	5	19	25	44	3.25	+.31	.94	.5	9	10	8	12	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	45.3	+3.1	72	§18	23	§25	42	2.09	−.34	.71	.1	7	14	3	13	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	......	......	......	......	......	......	....	2.67	−.41	1.13	T.	5	17	5	8	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	44.3	+1.0	74	18	12	25	43	1.49	−1.10	.73	T.	9	14	8	8	......	L. A. Mauck
Bluefield	Mercer	2,558	46	^{f}45.8	+.9	^{f}70	18	^{f}20	25	^{f}37	1.22	−.83	.43	......	5	16	4	10	......	Norfolk & Western Ry.
Charleston	Kanawha	602	38	......	......	......	......	......	......	....	3.04	−.03	1.75	T.	8	....	....	....	......	Charleston Daily Mail
Clay	Clay	790	25	......	......	......	......	......	......	....	2.01	−.89	.67	T.	10	....	....	....	......	L. E. Woofter
Flat Top	Mercer	3,270	3	41.0	......	67	§1	14	25	39	1.66	......	.50	T.	8	11	7	12	uw.	U. S. Airway Station
Gary	McDowell	1,426	25	44.8	−.2	^{b}80	17	19	§14	51	1.78	−.92	.68	......	6	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	45.8	......	78	17	19	25	48	2.55	......	1.37	T.	7	15	5	10	s.	State Forest Nursery
Hamlin	Lincoln	642	..	......	......	......	......	......	......	....	....	......	....	......	..	....	....	....	......	Calvin Curry
Hinton	Summers	1,431	44	45.4	+1.3	80	1	20	14	54	2.07	−.34	.95	T.	8	....	....	....	......	Mrs. M. L. McClung
Huntington	Cabell	571	44	47.9	+3.6	78	18	22	25	43	2.58	+.06	1.26	T.	8	11	9	10	sw.	H. N. Robinson
Institute	Kanawha	606	3	44.9	......	79	17	18	25	50	1.52	......	.86	.6	10	13	8	9	ne.	Civil Aero. Administration
Kayford	Kanawha	1,335	25	......	......	......	......	......	......	....	1.59	−1.56	.47	......	8	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	43.9	+2.0	72	1	15	25	45	2.05	−.43	.91	T.	6	17	1	12	......	J. K. Monroe
Logan	Logan	700	38	46.2	−1.1	78	18	25	§13	46	1.73	−1.50	.65	T.	8	12	7	11	......	Paul A. Simouds
London Locks	Kanawha	623	5	46.4	......	76	§17	25	§22	43	2.10	......	.60	T	9	....	....	....	......	Lockmaster
Madison	Boone	675	20	44.0	+.5	77	5	21	§13	48	1.79	−.86	.70	......	9	20	0	10	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	42.2	+4.6	74	1	11	25	56	2.88	−.06	1.17	......	5	13	9	8	w.	Edward A. Moore
Point Pleasant	Mason	595	42	46.1	+.8	74	18	19	25	43	3.88	+1.05	1.36	T.	7	16	13	1	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	11	41.0	+.7	73	18	10	25	50	2.01	−.98	.72	1.0	10	19	0	11	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	46.4	+.7	78	17	17	25	51	2.73	+.01	1.15	......	6	16	0	14	uw.	Lockmaster
Richwood	Nicholas	2,193	11	......	......	......	......	......	......	....	2.77	−.12	1.24	1.3	11	8	6	16	se.	Cherry River Paper Co.
Ryan	Roane	700	38	44.0	+.6	76	§17	14	25	51	1.49	−1.38	.82	......	7	16	6	8	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	40.5	......	71	18	6	25	52	2.12	......	.99	......	5	19	6	5	n.	Supt., State Forest
Spencer	Roane	789	37	44.7	+.6	75	18	16	25	47	2.69	+.02	1.11	.5	10	10	8	12	......	A. M. McKown
Summersville	Nicholas	1,900	5	41.5	......	75	17	8	25	53	2.05	......	.58	T.	8	17	7	6	......	A. E. Dorsey
Sutton	Braxton	850	35	45.6	+1.6	77	5	15	25	49	2.49	−.71	.80	T.	8	....	..	....	......	C. B. Eakle
Union	Monroe	2,200	37	41.4	−1.0	74	§1	10	25	55	2.08	−.26	.88	...	5	16	0	14	......	C. B. King
Wayne	Wayne	598	14	......	......	......	......		......	....	2.18	−.88	.93	T.	7	...	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	41.0	−1.1	74	1	10	25	55	2.05	−.23	1.00	......	4	17	3	10	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	46.4	+.8	76	18	25	§13	44	2.47	−.35	.82	T.	10	15	7	8	se.	J. E. Dotson
Winfield Locks	Putnam	571	3	46.6	......	75	§17	21	26	43	2.65	......	.92	T.	8	18	0	12	se.	Lockmaster
State averages and	extremes	......	....	**44.3**	**+1.1**	**80**	**§1**	**6**	**25**	**62**	**2.31**	**−.42**	**1.92**	**0.2**	**7**	**14**	**6**	**10**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Estimated.

Daily Precipitation for November 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.72	.48				T.	.58	.02	.01	T.											.02		1.02	.03								2.88
Brandywine	do	.30					.47														T.			.75									1.52
Brushy Run[2]	do	.45	.59				.27	.26	T.	T.												T.		.65	T.								2.22
Harpers Ferry[2]	do	.35	.12				T.	.52																1.07									2.06
Inwood	do	.70					.75	.30																.98									2.73
Kearneysville	do	.42					.47	.57														.03		1.02									2.51
Knobly Mountain[2]†	do	.65	.25				.23	.36			T	T.										T.		.95									2.44
Martinsburg[2]	do	.60	.25				.30	.77														.02		1.25									3.19
McNeill†	do	.55					.40														T.	.05		.93									1.93
Petersburg	do	.25					.48																	1.00									1.73
Piedmont	do	.89					.57	.09													.02			1.32									2.89
Romney	do	.40					.35	.50			T.													.90									2.15
Spruce Knob[2]†	do	.47	.36				.39	.28	T.		.03	T.										.27		.76	T.								2.56
Stony River Dam[2]†	do	.75						T.		T.		.05												.98									1.78
Wardensville[2]	do	.42	.08				.23	.03	T.	.06	T.											.04		.73	.01								1.60
Northern Division																																	
Aberdeen†	West Fork	.43					.41	.49	T.	T.	.06	T.									.16	.05		.92	T.								2.52
Alpena	Cheat	.60					.36	.13	.03	T.	.10										.15	.29		.78									2.44
Belingtou[2]	Tygart	.60	.45				.11	.09	.13	T.	T.	T.	T.									.21		.75	.10	T.							2.44
Benson†	West Fork	.81					.44	.60			.05										.10	.12		.75									2.87
Bens Ruu	Ohio	.26					.48	.12	T.												.19			.81									1.86
Big Skin Creek†	West Fork	.20					.53	.22	T.	.01	.03										.19		.05	.90	T.								2.13
Brownsville†	do						.66	.33	.04	T.											.10			.32									1.45
Buckhannon	Tygart	.30					.60	.27		.05	T.	T.									.14			1.05									2.41
Cairo	Litl.Kanawha	.42					.52		T	T.										.10	.12			.67									1.83
Clarksburg[2]	West Fork	.87					.40	.63	.01		T.											.13		.77									2.81
Crawford	do	.16					.38	.29	.02		.02	T.									.22			.80									1.89
Creston[2]	Litl.Kanawha	.90	.05				.42	.09	T.	T	T.	T.	T.									.22		.67	.02								2.37
Dailey[2]†	Tygart	.53	.85				.16	.11	.03	.05	.01	T.										.09		.60	.04	T.							2.47
Dam 10, Mon. R.[2]†	Monongahela	.76	.08				T	.69	.07		T.	T.										.22		.72	.03								2.57
Dam 13, O. R.[2]†	Ohio	.65	.01				.05	.44	.08		.01	T.										.10		.54	T.								1.88
Dam 15, Mon. R.[2]†	Monongahela	.89	.10				.08	.94	.03		T.	T										.12		.77	.03								2.87
Dam 19, O. R.[2]†	Ohio	.76	.07				.46	.34	.03	T.	T.		T.								T.	.14		.78									2.58
Dam 20, O. R.[2]†	do	.95	.04				.52	.28	.01													.08		.78									2.66
Elizabeth (Dam 3)[2]	Litl.Kanawha	1.00					.44	.06	T.													.20		.70									2.40
Elk†	West Fork	.20					.38	.68			.07													1.10									2.43
Elkins[1]‡	Tygart	.66					.24	.02	T.	T.	.01	T.									.15		.28	.44	T.								1.80
Fairmont[2]	Monongahela	.07					.39	.70	T.	.02												.17		.74	.06								2.15
Glenville[2]	Litl.Kanawha	.86	.04				.46	.57		T.	.03	T.										.38		.63									2.97
Graftou	Tygart	.88						.56	.01	T.		.01										.14		.85									2.45
Hackers Creek†	West Fork	.16					.66	.15	.01												.35			.86									2.19
Hall[2]	Tygart	.93	.05				.21	.23	.04	T.	.01	T.										.25		.82	.04	T.							2.58
Harrison Co. Airport[2]	West Fork	.87	.05				.40	.80	.05		.01	.02										.24		.81	.02								3.27
Hastings	Ohio	.38	.02				.33	.51	.02	T.	.06		T.								.14		.11	.78	.01								2.36
Horner	West Fork	.32					.50	.25			.06										.09	.20		.92									2.34
Ireland	do	.11					.17	.32	.06	.07	.03										.23			.61	.23								1.83
Jane Lew	do	.37					.40	.80	.07		.02										.12	.14		.92	.02								2.86
Kumbrabow St. For.†[2]	Tygart																																....
Lost Creek (near)	West Fork	.08					.40	.57	.02	.02	T.	T.	T.								T.	.19		.83									2.11
Manniugton	Monongahela	.35					.62	.36	.01	.02	.02										.15	.07		.76	.01								2.37
Middlebourne	Middle Is. Creek	.91	.03				.37	.15	.02	T.	T.	T.										.15		.69									2.32
Midvale[2]†	Tygart	.60	.43				.16	.38	.16	T.	.01	.17										.31		.76	.13	T							3.11
Morgantown	Monongahela																																....
Mt. Clare	West Fork	.14					.40	.37	T	T.	.10										.17	.04		.88									2.10
New Cuunberland	Ohio	.25			.04		.48														.09		.17	.13							.02		1.18
New Martinsville	do							.60		T.											.15			.75									1.50
Parkersburg[1]‡	do	.04				T.	.64	.02	T.	.01	T.										.13		.26	.48	T								1.58
Parsons	Cheat	.69					.19	.14	.01	T.	.02										.05	.11		.94	.02								2.17
Philippi[2]	Tygart	.89	.08				.21	.38	T	T.	.03	T										.19		.84	.04	T.							2.66
Pickens	do	.62					.21	.10	.04	T.	.10										.47			1.09	T.								2.63
Roanoke	West Fork	.37					.63	.17			.07										.08	.10		.78	T.								2.20
Rockford†	do	.35					.45	.35	.11	T.	.10										.19	.09		.94	T.								2.58
Rowlesburg[2]	Cheat	1.08	.30				.12	.26	.10		.03	T.	T.									.20		.75	.30	T.							3.14
Saint Marys[2]	Ohio	.83					.49	.11														.25		.76									2.44
Salem	West Fork	.74					.85	.45	T	.02	T.										.21	.06		.75									3.08
Shinnston	do	.20					.60	.50	T.	T											.70		.10										2.10
Terra Alta†	Cheat	.38					.31	.33	.04	T.	.03										.09	.14		.92									2.24
Thomas[2]	do	.88	.70				.09	.54	.12		T.	.03										.38		1.04	T.	T.							3.78
Valley Chapel	West Fork	.38					.82	.08	.04	T.	T										.14	.13		.92	T.								2.51
Valley Head[2]	Tygart	.30	.16				.16	.20	.08	.02	.01	T.	T.									.13		.70	.04	T.							1.80
Vandalia†	West Fork	.26					.36	.33			.05											.16		.81									1.97
Wellsburg (near)	Ohio	.20					.42	.23	T.		T.	T.									.12	T.		.43									1.40
West Milford	West Fork	.42					1.15															.32		.69									2.58
Weston[2]	do	.94	.09				.23	.61	.04	T.	.05	T.										.28		.89	.12	T.							3.25
Wheeling (Dam 12)[2]	Ohio	.70	.03			T.	.08	.44	.01	T.		T.										.12		.71	T.								2.09
Southern Division																																	
Arbovale[2]	Greeubrier	1.04					.34	.01		T.	T.										.15			1.13	T.								2.67
Beekley	New	.23				T.	.22	.04	.03	.04	.04	T.									.02	.14	T.	.73	T.								1.49
Bluefield	New	.43					.24	.03														.14		.38									1.22
Camden-on-Gauley[2]	Gauley	.48	.42				.16	.14	.13	.03	.02	.02	T									.22		.63	.05	T.							2.30
Charleston[2]	Gr. Kanawha	.52	.05				.28	.07	.07	T.	T.	.03	T.									.27	T.	1.75	T.								3.04
Clay[2]	Elk	.38	.23				.17	.12	.10	T.	.01	T.									.02	.24		.67	.07								2.01
Flat Top[4]	New	.50					.21	.09	T.	.02	.03										.24		.48	.09	T.								1.66
Gary[2]	Big Sandy	.49	.68				.11		.01													.20		.29									1.78
Greenbottom[2]†	Ohio						1.37	.04	.02	.02	.04										.13		T.	.93									2.55
Hiuton[2]	New	.39	.56				.31		.02	.01	T.	T.										.11		.65	.02	T.							2.07
Hogsett[2]	Ohio																																....
Huntington	do	.15					1.26	.05	.01	T.	.05										.10		.03	.93									2.58
Institute[4]	Gr. Kanawha	.06				.05	.34	.01	T.	.03	.03	T.									.13		.52	.34	.01								1.52
Kayford[2]	do	.40					.27			20	.06	.01										.12		.47	.06								1.59
Lewisburg	Greenbrier	.82					.18	.01		T.	T.										.07	.06		.91									2.05
Logan[2]	Guyandot	.42	.11				.29	.02	.04	T.	.03	T.										.17		.65	T.								1.73
Loudon Locks[2]†	Gr. Kanawha	.47	.41				.13	.13	.10		.01	T.										.20	T.	.60	.05	T.							2.10
Madison[2]	Coal	.33	.14				.23	.03		.04	.01											.30		.70	.01								1.79
Marlinton	Greenbrier	1.00			.05		.40																.26	1.17									2.88
Point Pleasant[2]	Ohio	1.36	.13				.72	.70	T.	T.	T.										.10	.06		.81		T.							3.88
Princeton[2]	New	.91					.30	T.	T.	T												.13		.35	.10								1.79
Rainelle	Greenbrier	.50					.34	.03	.07	.03	.02										.12	.11	T.	.72	.07								2.01
Ravenswood[2]	Ohio	1.15	.04				.47	.12	T.		T.										T.	.15		.80									2.73
Richwood[2]	Gauley	.44	.80				.25	.24	.05	.10	.07	.05	T.									.32		.41	.04								2.77

Continued on next page.

Daily Precipitation for November 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Tota
Ryan	Gr. Kanawha	.06	....	....	....	....	.20	.13	....	....	.07	....	....	....	....	....	....	....	....	....	.16	....	....	.82	.05	....	....	....	....	....	....	....	1.4
Seneca State Forest†	Greenbrier	.99	....	....	....	....	.44	.43	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	.21	....	....	....	....	....	....	....	....	2.1
Spencer ²	Litl.Kanawha	1.11	.03	....	....	....	.39	.08	.05	T.	.05	.04	....	....	....	....	....	....	....	....	....	.21	....	.71	.02	....	....	....	....	....	....	....	2.6
Summersville²	Gauley	.52	....	....	....	....	.14	.14	.08	....	.05	.05	T.	....	....	....	....	....	....	....	....	.49	....	.58	....	....	....	....	....	....	....	....	2.0
Sutton	Elk	.15	....	....	....	....	.68	.43	.06	T.	.06	T.	....	....	....	....	....	....	....	....	.10	.21	....	.80	....	....	....	....	....	....	....	....	2.4
Thornwood²	Greeubrier	.70	....	....	....	.01	....	.32	T.	.09	.01	....	....	....	....	....	....	....	....	....	.10	.15	....	1.05	T.	....	....	....	....	....	....	....	2.4
Union ²	New	.28	.62	....	....	....	.22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	....	.88	....	....	....	....	....	....	....	....	2.0
Wayne ²	Twelvepole	.80	....	....	....	....	.98	.06	.09	....	.06	....	....	....	....	....	....	....	....	....	....	.18	....	T.	.01	....	....	....	....	....	....	....	2.1
White Sulp'r Spgs. ²	Greenbrier	.70	....	....	....	....	.20	.15	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	1.00	....	....	....	....	....	....	....	....	2.0
Williamson ²	Big Sandy	.45	.01	....	....	....	.74	.10	.03	.01	.07	T.	....	....	....	....	....	....	....	....	....	.23	....	.82	.01	....	....	....	....	....	....	....	2.4
Winfield Locks²†	Gr. Kanawha	.92	.15	....	....	....	.37	.13	.02	....	T.	....	....	....	....	....	....	....	....	....	...	.14	....	.90	.02	....	....	....	....	....	....	....	2.6

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for November 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mea
Bayard ³	Maximum	68	55	50	60	70	63	40	35	33	30	29	35	58	63	65	55	65	70	70	61	35	51	51	31	48	41	57	62	63	57	....	52.4
	Minimum	45	32	25	20	25	30	33	28	25	23	20	21	23	25	15	18	25	23	25	28	28	21	24	28	8	10	31	23	19	21	....	24.1
Beckley	Maximum	72	71	58	65	67	65	55	39	34	32	32	44	63	67	68	61	70	74	70	61	61	42	57	44	49	49	60	64	66	61	....	57.4
	Minimum	56	36	31	31	44	52	34	30	27	25	24	24	27	25	28	33	27	42	38	50	30	16	33	27	12	25	24	27	29	28	....	31.2
Bluefield	Maximum	68	..	68	63	64	64	52	42	..	42	30	45	64	64	64	..	68	70	68	..	64	43	..	60	48	48	59	63	63	..	....	57.7
	Minimum	59	..	38	38	46	52	36	32	..	26	26	25	27	31	30	..	33	41	41	..	33	24	..	31	20	31	26	34	32	..	....	33.8
Brandywine	Maximum	72	64	65	68	71	58	56	46	44	38	43	50	66	73	74	70	68	75	75	70	54	50	65	50	50	52	62	65	70	68	....	61.1
	Minimum	45	36	29	20	32	37	36	28	31	22	16	21	12	20	16	22	19	32	27	22	18	10	31	30	8	19	17	19	20	21	....	23.9
Buckhannon	Maximum	68	52	53	60	70	67	60	45	40	38	33	38	57	62	62	52	64	70	68	67	60	47	53	45	45	48	56	59	65	61	....	55.5
	Minimum	58	47	29	29	57	55	35	32	29	28	27	28	25	28	24	30	25	30	33	41	31	18	34	30	15	23	22	25	23	25	....	31.2
Cairo	Maximum	69	68	62	64	74	71	65	44	41	40	36	45	61	68	68	65	75	76	73	76	75	47	51	43	47	54	62	66	68	61	....	60.5
	Minimum	54	46	28	30	40	50	42	36	31	30	25	33	21	22	23	27	25	34	40	30	26	17	37	33	15	22	20	25	24	25	....	30.4
Charleston (Airport)	Maximum	71	63	62	68	74	66	48	41	40	36	35	48	63	70	69	66	79	77	75	66	45	47	52	43	50	55	65	68	69	66	....	59.2
	Minimum	49	33	30	34	41	47	37	36	34	31	30	25	23	25	25	31	29	35	39	37	22	21	38	19	15	25	22	28	27	27	....	30.6
Clarksburg ³	Maximum	71	58	55	62	73	66	45	45	39	34	34	39	58	63	65	59	70	73	72	66	40	52	52	38	45	50	59	62	63	61	....	55.6
	Minimum	53	46	29	30	33	38	41	36	30	30	26	28	29	23	23	24	26	26	31	33	34	17	19	35	16	16	25	25	23	23	....	28.9
Elkins	Maximum	70	56	53	62	70	69	44	37	35	31	30	37	61	67	67	57	74	72	71	66	43	48	54	35	50	48	61	62	66	61	....	55.2
	Minimum	44	43	31	28	37	42	34	32	30	26	26	25	25	22	22	35	26	32	32	43	26	18	34	21	14	26	24	28	24	27	....	29.2
Fairmont ³	Maximum	73	68	57	58	75	69	54	41	39	37	35	38	61	67	69	62	70	76	74	65	55	51	51	51	48	53	64	66	68	63	....	58.6
	Minimum	54	46	32	32	36	43	41	35	31	31	27	29	30	30	27	28	28	29	37	39	35	22	24	34	18	19	29	29	29	30	....	31.8
Flat Top	Maximum	67	55	54	61	61	62	44	35	28	26	26	40	59	62	62	57	62	67	66	57	51	37	57	36	45	44	57	61	61	57	....	51.9
	Minimum	51	35	37	30	39	44	32	28	24	21	20	20	31	25	23	39	24	32	30	49	27	19	31	23	14	22	33	33	23	40	....	30.0
Gary ³	Maximum	75	63	61	67	72	68	45	40	36	35	35	..	66	68	69	64	80	75	74	63	47	60	62	38	55	52	64	68	66	..	. .	59.6
	Minimum	53	36	32	34	37	38	40	36	33	30	30	31	..	19	23	25	29	29	33	34	33	21	23	36	19	20	20	22	25	26	....	29.9
Glenville	Maximum	74	67	65	68	78	72	71	44	41	49	44	45	64	69	70	66	76	78	77	68	61	55	52	49	52	56	64	69	69	64	...	62.6
	Minimum	56	46	30	32	38	50	42	35	32	37	25	33	22	32	34	28	27	31	34	45	38	37	24	35	17	23	21	22	24	25	....	32.5
Grafton	Maximum	70	71	59	61	76	77	68	45	40	39	35	37	60	66	68	68	72	77	77	74	62	51	52	48	48	51	61	64	67	67	....	60.4
	Minimum	53	42	25	25	36	45	35	30	27	25	24	27	19	21	23	25	23	29	31	39	30	16	33	29	12	19	18	22	22	23	....	27.6
Huntington	Maximum	68	65	66	70	72	67	51	42	41	37	37	50	64	70	70	68	76	78	76	65	53	47	49	45	51	57	65	68	70	64	....	60.1
	Minimum	52	45	35	39	48	51	41	37	34	32	33	32	30	29	30	36	33	37	42	50	33	25	39	34	22	34	26	30	30	32	....	35.7
Lewisburg	Maximum	72	62	59	64	64	66	57	41	37	32	32	47	62	68	66	62	71	70	69	59	58	44	56	43	46	51	60	63	65	61	....	56.9
	Minimum	55	40	36	32	38	53	38	31	30	27	26	26	20	23	26	40	29	32	35	44	34	18	34	28	15	18	20	26	27	27	....	30.9
Logan ³	Maximum	76	67	66	63	73	67	46	41	40	36	35	47	61	69	67	70	77	78	72	64	49	53	55	40	53	57	61	62	67	69	....	59.4
	Minimum	55	42	36	37	40	40	42	36	35	32	33	32	25	25	27	30	31	31	37	40	32	25	25	39	26	26	26	26	29	30	....	33.0
Madison³	Maximum	75	63	64	72	77	67	47	41	40	36	35	46	60	67	60	66	50	76	75	67	46	54	55	40	48	53	61	62	68	..	....	57.6
	Minimum	58	42	31	33	36	42	40	36	33	31	30	32	21	22	24	28	27	28	35	38	29	21	24	35	21	22	21	23	25	26	....	30.5
Mannington	Maximum	69	59	55	57	70	66	57	42	40	37	37	38	57	63	64	59	63	71	69	66	55	45	52	40	42	50	58	60	63	60	....	55.5
	Minimum	56	46	27	27	39	39	40	36	29	31	27	32	21	23	21	27	23	28	31	38	35	18	36	34	14	22	21	24	23	25	....	29.8
Marlinton	Maximum	74	63	66	67	67	67	59	42	38	46	45	51	65	70	63	62	71	73	70	59	56	43	57	46	48	54	60	62	68	62	....	59.3
	Minimum	50	38	28	25	30	46	38	32	29	25	25	23	14	14	15	25	21	23	25	36	29	13	32	27	11	14	14	18	18	18	....	25.2
Martinsburg ³	Maximum	70	61	63	66	80	61	63	51	43	42	46	44	60	70	61	63	52	65	67	72	62	49	55	43	42	54	64	61	63	65	....	58.6
	Minimum	46	56	41	33	34	48	45	36	39	38	29	34	25	26	30	31	33	32	32	35	42	27	27	38	22	23	31	33	31	31	....	34.3
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	....	....
	Minimum	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Cumberland	Maximum	70	58	52	54	67	67	61	43	42	40	37	41	60	62	67	59	65	75	73	65	50	52	49	40	45	52	62	57	67	55	....	56.2
	Minimum	50	45	34	33	46	57	39	36	32	32	31	32	35	36	32	37	27	45	40	49	35	27	34	30	21	35	38	30	31	36	....	36.2
New Martinsville	Maximum	68	59	57	55	69	68	65	41	39	40	35	43	45	64	66	61	66	73	71	66	53	46	48	42	43	53	61	62	65	63	....	56.2
	Minimum	55	47	41	41	51	59	41	33	32	28	29	29	28	39	27	31	29	33	38	42	35	21	38	29	18	29	24	29	27	31	....	34.5
Parkersburg	Maximum	66	60	58	62	69	64	45	42	40	36	36	46	60	64	66	62	70	74	72	66	41	46	48	38	45	53	61	64	68	62	....	56.1
	Minimum	49	40	33	36	49	45	38	36	33	31	27	33	36	31	30	41	34	41	44	41	29	27	38	24	20	36	33	33	31	35	....	35.1
Pickens	Maximum	54	53	50	62	68	66	55	50	42	35	30	37	55	65	67	58	72	74	72	60	49	48	54	43	45	47	55	60	65	58	....	55.0
	Minimum	45	38	28	30	41	51	33	28	23	22	21	23	30	31	30	35	24	39	38	45	26	16	34	21	13	26	25	29	32	31	....	30.3
Point Pleasant	Maximum	66	65	64	65	71	69	55	44	42	39	37	51	58	68	65	67	72	74	73	72	54	45	49	43	45	51	60	67	63	64	....	58.6
	Minimum	59	44	30	33	44	54	43	37	29	32	29	33	34	26	26	31	29	33	39	42	32	21	38	32	19	35	23	23	27	28	....	33.6
Rainelle	Maximum	72	68	57	63	64	65	60	39	34	30	27	46	62	66	66	59	68	73	69	59	57	39	56	41	48	49	60	61	65	60	....	56.2
	Minimum	55	34	25	26	32	52	36	31	27	25	24	24	13	16	18	20	21	25	26	36	31	13	33	28	10	16	15	19	20	20	....	25.7
Ravenswood	Maximum	69	62	63	65	71	69	62	45	41	41	38	48	61	67	68	68	78	75	75	70	54	47	51	43	48	55	62	67	70	68	....	60.0
	Minimum	55	45	30	33	42	56	41	36	32	32	30	32	30	25	26	26	27	26	26	50	30	21	33	32	17	39	23	37	26	29	....	32.9
Richwood ³	Maximum	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
Romney	Maximum	60	67	69	70	72	62	59	48	44	41	44	44	56	70	70	75	60	77	78	70	70	66	65	50	50	53	60	68	73	66	....	61.9
	Minimum	32	29	34	27	37	47	23	39	35	32	26	34	35	34	28	19	24	25	31	32	39	30	32	24	16	20	28	29	34	29	....	30.1
Spencer ³	Maximum	70	61	65	66	73	66	45	41	40	35	34	45	61	66	63	62	74	75	74	61	45	51	50	40	47	53	63	65	67	61	....	57.3
	Minimum	60	44	30	31	40	41	40	35	33	30	27	29	25	25	25	30	27	39	38	45	28	20	40	34	16	27	24	26	26	28	....	32.1
Sutton	Maximum	72	72	63	66	77	77	58	44	40	38	33	42	61	[illegible]	68	68	74	75	76	76	67	57	48	43	51	51	65	65	67	67	....	60.9
	Minimum	57	45	30	31	36	48	40	35	29	30	30	32	20	[illegible]	[illegible]	27	25	30	33	41	32	17	38	34	15	21	20	24	24	25	....	30.4
Wardensville ³	Maximum	72	61	62	67	69	[illegible]	[illegible]	45	42	39	44	47	68	[illegible]	[illegible]	64	60	77	76	71	44	51	58	44	47	55	65	67	71	67	....	59.9
	Minimum	50	45	32	25	38	42	36	33	34	28	19	31	15	[illegible]	19	31	22	24	28	37	38	16	30	37	13	18	29	23	21	25	....	28.8
Weston	Maximum	72	65	59	65	78	69	65	46	41	40	36	40	59	[illegible]	67	63	71	76	77	67	60	55	59	43	51	54	62	66	69	65	....	60.3
	Minimum	48	45	30	31	40	55	40	35	30	30	29	32	29	26	25	32	29	32	35	59	33	20	41	35	19	38	26	27	28	29	....	33.6
Wheeling³	Maximum	70	60	57	55	70	67	46	43	41	41	37	46	59	64	65	60	68	72	72	69	43	48	49	37	44	52	61	62	64	60	....	56.1
	Minimum	56	47	36	34	37	47	42	37	35	32	32	32	33	34	31	32	29	30	38	43	36	28	28	33	23	23	34	31	31	32	....	34.5
Williamson³	Maximum	73	64	65	60	70	66	44	42	40	37	37	48	60	69	69	69	75	76	71	63	50	52	54	40	53	56	66	65	68	62	....	58.8
	Minimum	55	44	37	39	42	43	42	37	35	33	33	32	25	25	28	30	34	34	37	39	33	26	27	39	26	27	26	27	30	31	....	33.9

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 12-29-41—925)

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WE

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. XLIX PARKERSBURG, W. VA., DECEMBER 1941 No. 12

GENERAL SUMMARY

The month was dry and warm, being the sixth warmest December of record. The mean temperature for the month was reported as above normal at every station in the state. The excesses ranged from 2.1° at Clarksburg to 8.1° at Huntington. The warm periods were 1st–5th, 22d–27th. The cold periods were 10–12th, 21st, 29th–31st. No temperatures of zero or lower were reported during the month. All stations except a few in the extreme eastern part of the state were below normal in precipitation. The greatest deficiencies were in the western and central portions. Snowfall was scanty, being only 20% of the normal amount. Of all the stations reporting snowfall, only 46% of them had a measureable amount during the month. There were few snow-lying days during the month even at the higher elevations. Spruce Knob and Pickens No. 2 had 9 days with snow-cover which was the greatest number of snow-lying days reported. There were no severe storms or floods. Sleet was quite general on the 13th in the northern portion of the state, while several thunderstorms occurred on the 24th in widely scattered localities. Winter grains were in good condition at the close of the month. Mild days and dry weather permitted farm work and other outdoor activities to progress throughout the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 39.3°, or 4.5° above the normal. The mean for the northeastern panhandle division was 37.4°; for the northern division, 39.3°; and for the southern division, 40.0°. The highest monthly mean was 43.7° at Huntington and the lowest, 31.6° at Bayard. The highest temperature was 74° at Gary on the 3d, Grafton on the 4th, and Hinton on the 5th, and the lowest, 2° at Seneca State Forest on the 30th. The greatest daily range was 51° at Middlebourne on the 21st.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 2.24 inches, or 1.01 inches below the normal. In the northeastern panhandle division the average was 2.38 inches; in the northern division, 2.08 inches; and in the southern division, 2.24 inches. The greatest monthly precipitation was 4.10 inches at Kearneysville, and the least, 1.10 inches at McNeill. The greatest amount in any 24 consecutive hours was 2.17 inches at Kearneysville on the 13th. The average monthly snowfall was 1.0 inch, or 5.0 inches below the normal. The greatest monthly snowfall was 7.5 inches at Alpena. The average number of days with .01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	9	4	21	19	11						1	1	2	1	1	1	2	6	31	2		1	2	1	3	1	1	2	1		1
Frosts, killing																															
Gales							3	2		1		1	1		1				1	2			2	3	1	1					
Hail																															
Halos, lunar		1		1						2												1	1							2	
Halos, solar											3																				
Sleet					1							3	12	3							1										1
Thunderstorms				1															1	2			1	16							

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.12	30.58	11	29.37	23	8.0	26	w.	5	83	66	73	34
Columbus, Ohio	30.20	30.58	11	29.31	24	9.9	32	sw.	8	85	71	77	22
Elkins	30.14	30.52	21	29.33	24	6.9	27	w.	24	77	60	73	39
Huntington Airp't	30.11	30.55	11	29.39	24	......	26	sw.	24	83	58	74	....
Parkersburg	30.11	30.58	11	29.36	24	6.1	25	sw.	8	80	69	80	27
Pittsburgh, Pa	30.09	30.54	11	29.32	24	11.5	34	w.	8	80	66	72	25

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	......	......	......	......
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	......	......	......
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2 35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
Period	34.8	83	−37	2.49	3.48	3.22	3.25	6.0	11	9	7	15

Climatological Data for December 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, inches				Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	40	31.6	+3.5	67	4	3	30	50	1.68	−2.16	0.48	1.0	8	11	6	14	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	....	39.1	......	70	3	15	31	36	3.61	......	1.00	......	8	12	0	19	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	25	36.8	+2.6	68	§5	3	30	48	2.10	.00	.95	T.	5	20	2	9	n.	E. L. Keister
Harpers Ferry	Jefferson	400	52	......	......	......	......	......	......	....	3.98	+1.37	1.19	T.	9	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	9	38.7	......	67	6	14	30	32	2.97	......	1.12	T.	7	11	11	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	11	38.0	+2.7	62	5	16	30	30	4.10	+1.69	2.17	......	7	6	18	7	w.	University Exper. Station
Martinsburg	Berkeley	435	49	38.8	+4.8	61	5	20	§21	35	3.69	+.93	1.25	......	8	19	10	2	w	Dr. H. S. Gardner
McNeill	Hardy	800	45	37.7	+5.1	71	6	6	30	50	1.10	−.96	.64	2.0	6	5	10	16	w.	R. E. Saville
Piedmont	Mineral	1,053	28	36.3	+3.3	64	5	15	30	33	2.16	−.25	.92	2.0	8	5	11	15	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	43	39.4	+4.9	70	5	14	29	41	2.51	+.26	1.06	1.0	6	6	6	19	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	21	......	......	......	......	......	......	....	1.39	−1.85	.80	3.7	5	4	10	17	w.	A. C. Becker
Wardensville	Hardy	1,200	20	37.0	+3.3	68	5	12	§21	41	2.56	+.82	.90	1.0	10	5	17	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	17	....	......	......	......	......	......	....	2.22	−.78	.70	.5	9	3	10	18	......	L. Esle Bond
Alpena	Randolph	2,571	10	36.2	+3.9	67	1	8	11	39	2.71	−1.13	.85	7.5	9	4	14	13	......	Christian Hertig
Benson	Harrison	1,080	17	40.8	+4.6	69	4	10	11	47	1.66	−1.83	.70	1.0	10	7	11	13	......	R. D. Marts
Bens Run	Pleasants	652	39	40.0	+5.2	66	5	14	11	34	1.74	−1.82	.76	T.	8	10	7	14	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	ᵇ36.5	......	73	5	11	11	32	2.43	......	....	.1	10	....	....	....	......	James I. Galloway
Brownsville	Lewis	1,032	18	41.2	+4.6	68	5	12	11	42	2.50	−.82	.70	......	10	6	12	13	......	M. D. Hawkins
Buckhannon	Upshur	1,411	44	38.9	+4.7	68	4	12	§11	36	2.67	−1.51	.80	T.	9	8	8	15	......	H. A. Darnall
Cairo	Ritchie	680	40	41.4	+6.7	69	22	10	11	46	1.52	−1.93	.77	T.	6	8	5	18	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	19	37.3	+2.1	70	4	12	11	46	1.87	−1.21	.68	T.	10	7	4	20	......	Clarksburg Water Board
Crawford	Lewis	1,107	18	......	......	......	......	......	......	....	2.51	−1.08	.74	.2	10	5	9	17	nw.	George W. Blair
Creston	Wirt	640	39	41.7	+6.4	69	22	11	10	47	1.17	−2.30	.40	T.	9	3	10	18	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	20	......	......	......	......	......	......	....	1.31	−2.11	.55	T.	11	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	25	......	......	......	......	......	......	....	1.61	−1.37	.38	T.	8	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	20	......	....	......	......	......	......	....	1.80	−1.33	.35	T.	11	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	25	......	......	......	......	......	......	....	1.33	−1.80	.41	T.	8	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	25	......	......	......	......	......	......	....	1.27	−1.87	.50	T.	8	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	29	......	......	......	......	......	......	....	1.45	−1.68	.57	......	8	....	....	....	....	Lockmaster
Elkins	Randolph	1,927	40	38.2	+5.5	66	1	13	11	38	2.57	−.89	.64	2.6	13	6	4	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	35	38.4	+4.4	73	4	14	11	47	1.81	−1.68	.48	.4	10	8	3	20	w.	J. C. Robinson
Glenville	Gilmer	738	47	41.6	+5.7	69	§1	14	11	46	1.84	−2.09	.71	T.	10	4	8	19	w.	Howard R. Brannon
Grafton	Taylor	1,050	48	39.6	+5.4	74	4	10	11	45	2.03	−1.05	....	1.0	9	12	6	13	......	L. W. Clayton
Grantsville	Calhoun	900	..	41.5	.... .	67	5	9	§11	31	1.44	......	.70	......	7	0	13	18	e.	James Roberts
Hastings	Wetzel	809	6	......	......	......	......	......	......	....	1.86	......	.70	T.	13	5	6	20	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	18	......	......	......	......	......	......	....	2.42	−.66	.78	T.	11	....	....		......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	43	ᵇ37.0	+2.6	68	4	12	10	40	1.95	−1.58	.61	.7	10	6	10	15	w.	Chas. H. Washburn
Mannington	Marion	974	38	38.7	+5.1	69	4	11	11	38	1.90	−1.67	.75	1.2	12	6	7	18	w.	James A. Morgan
Middlebourne	Tyler	750	..	ᵃ37.6	......	68	3	11	11	51	1.50	......	.53	T.	10	13	4	14	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	48	......	......	......	......	......	......	....	....	......	....	......	..	....	...	....	......	Bruce Davis
New Cumberland	Hancock	671	43	39.4	+7.7	70	4	17	11	37	1.64	−1.12	.69	......	9	7	0	24	nw.	C. O. Valentine
New Martinsville	Wetzel	637	47	40.6	+5 3	66	§2	13	11	40	1.49	−2.07	.87	T.	8	10	6	15	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	54	40.1	+4.9	67	22	17	11	34	1.17	−1.86	.57	T.	8	4	9	18	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	41	38.8	+6.5	67	4	14	11	37	2.65	−1.40	.77	1.2	13	..	....	....	......	D. A. Oliver
Philippi	Barbour	1,300	44	......	......	......	......	......	......	...	2.18	−1.59	.78	1.2	10	...	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	38	37.6	+5.4	66	23	8	30	40	3.51	−1.87	1.34	5.0	11	9	6	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	18	......	......	......		......	......	....	2.06	−1.31	.74	T.	10	7	2	22	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	53	......	......	......	......	......	......	....	2.14	−2.24	.64	.7	11	....	...	....	......	W. H. Bolyard
Saint Marys	Pleasants	625	33	......	......	......	......	......	......	..	2.23	−1.11	1.10	......	6	....	....	...	......	Edward Hughes
Terra Alta	Preston	2,559	40	35.3	+4.7	71	4	9	11	45	2.28	−2.46	.83	3.0	10	6	7	18	w.	Earl Lee
Thomas	Tucker	3,000	12	......	......	......	......	......	......	....	3.14	−.71	1.15	4.0	10	.. .	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	18	41.6	+4.1	69	4	13	12	44	1.64	−1.58	.50	1.0	10	7	10	14	w.	S. A. Spence
Wellsburg (near)	Brooke	668	34	39.1	+6.7	70	4	12	11	40	2.24	−.67	.68	T.	5	3	8	20	.....	George P. Pfister
West Milford	Harrison	979	16	......	......	......	......	......	......	..	1.86	−1.22	.70	......	9	...	...	..	......	Scotland G. Highland
Weston	Lewis	1,026	46	42.8	+7.0	70	4	16	11	38	2.41	−1.22	.88	1.2	10	0	26	5	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	54	39.3	+6.7	70	4	17	11	38	1.86	−1.12	.47	1.0	9	5	6	20	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	15	......	......	......	......	......	......	....	3.67	+.51	.	3.0	11	12	8	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	38	39.8	+5.3	67	3	11	30	35	2.41	−.90	1.28	T.	7	8	12	11	......	L. A. Mauck
Bluefield	Mercer	2,558	46	ᵉ41.9	+5.0	64	3	14	30	31	2.67	−.21	1.05	......	9	10	9	12	......	Norfolk & Western Ry.
Charleston	Kanawha	602	38	......	.....	... .	......	......	......	...	2.48	−1.16	.77	T.	10	...	....	....	......	Charleston Daily Mail
Clay	Clay	790	25	......	......	......	......	......	......	....	2.26	−1.24	.62	T.	9	..	....	....	......	L. E. Woofter
Flat Top	Mercer	3,270	3	36.6	......	60	5	11	30	31	2.65	......	1.14	.4	8	3	8	20	nw.	U. S. Airway Station
Gary	McDowell	1,426	25	40.4	+2.6	74	3	15	30	40	2.17	−1.20	1.16	T.	6	....	....	....	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	4	41.5	......	68	22	14	11	39	1.35	......	.61	......	8	2	14	15	s.	State Forest Nursery
Hamlin	Lincoln	642	..	......	......	......	......	......		....	...	......	....	......	..	....	....	....	......	Calvin Curry
Hinton	Summers	1,431	44	41.6	+5.8	74	5	15	30	41	3.24	+.06	1.25	T.	7	....	....	....	......	Mrs. M. L. McClung
Huntington	Cabell	571	44	43.7	+8.1	72	22	18	11	40	2.44	−.93	1.00	T.	8	4	12	15	sw.	H. N. Robinson
Institute	Kanawha	606	3	41.4	......	71	22	14	15	41	2.11	......	.74	T.	11	4	12	15	......	Civil Aero. Administration
Kayford	Kanawha	1,335	25	......	......	......	......	......	......	.	....	......	....	......	..	....	....	....	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	41	39.4	+6.2	66	3	11	30	35	3.19	+.08	1.13	T.	10	12	3	16	......	J. K. Monroe
Logan	Logan	700	38	42.5	+3.4	70	§3	20	15	37	3.31	−.79	.88	T.	9	8	4	19	......	Paul A. Simonds
London Locks	Kanawha	623	5	42.6	......	68	§1	21	§11	36	1.91	......	.55	T.	7	9	1	21	w.	Lockmaster
Madison	Boone	675	20	ᵃ40.0	+5.0	69	5	16	§11	39	2.90	.00	.77	.1	12	5	18	8	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	41	37.2	+7.8	70	3	6	30	40	3.11	−.79	1.41	T	6	5	21	5	w.	Edward A. Moore
Point Pleasant	Mason	595	42	41.9	+6.1	70	§5	14	15	43	1.48	−2.02	.45	T.	9	8	18	5	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	11	37.0	+3 8	64	§3	8	30	39	3.09	−.41	1.07	2.2	13	11	3	17	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	18	42.4	+4.5	68	§2	12	11	39	1.72	−1.60	.50	. ..	10	5	3	23	ne.	Lockmaster
Richwood	Nicholas	2,193	11	ᵃ38.2	+3.1	69	3	15	§12	38	2.79	−.70	.74	4.5	14	4	8	19	se.	Cherry River Paper Co.
Ryan	Roane	700	38	39.7	+5.2	67	§1	11	§11	44	1.84	−1.41	.57		9	10	3	18	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	2	35.6	......	66	3	2	30	43	3 75	......	1.30	.9	9	19	7	5	n.	Supt., State Forest
Spencer	Roane	789	37	40.4	+3.9	69	23	13	§11	41	1.87	−1.54	.70	T.	9	2	13	16	......	A. M. McKown
Summersville	Nicholas	1,900	5	ᵃ37.7	......	69	3	8	§15	44	2.05	......	.60	T.	9	7	5	19	......	A. E. Dorsey
Sutton	Braxton	850	35	41.8	+6.6	70	§1	15	§11	44	2.10	−1.72	.82	T.	10	....	....	....	......	C. B. Eakle
Union	Monroe	2,200	37	37.4	+3.4	66	§3	6	30	44	2.69	−.23	.91	......	7	10	0	21	......	C. B. King
Wayne	Wayne	598	14	......	......	.....	......	......	......	...	2.07	−.96	.71	......	8	....	....	....	......	Mrs. Laura J. Dean
White Sulphur Springs	Greenbrier	1,914	31	36 4	+3.3	65	§1	6	30	43	2.60	−.50	.90	......	6	14	2	15	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	41	42.9	+5.3	69	5	21	§15	36	2.74	−1.04	1.20	......	9	8	9	14	sw.	J. E. Dotson
Winfield Locks	Putnam	571	3	41.5	...	68	§2	17	12	44	2.11	......	.83	......	9	9	2	20	se.	Lockmaster
State averages and	extremes	......	....	39.3	+4.5	**74**	§3	**2**	30	**51**	**2.24**	**−1.01**	**2.17**	**1.0**	9	7	9	15	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ᵃ one day, ᵇ two days etc. § Also on other dates. * Estimated.

Daily Precipitation for December 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac			.23		.26				.03				.02										.15	.48	.40	.11			T.			1.68
Brandywine	do		T.		T.	.28			T.					.95						T.				.05	.75		.07			T.			2.10
Brushy Run[2]	do			T.		.17	T.			.03				.51	.21						.02			.04	.54		.08			T.			1.60
Harpers Ferry[2]	do		.04	.09		1.00	.05							.51	1.19										1.03		.05	.02					3.98
Inwood	do		*	.14	T.	.90								.75										.12	1.00		.06						2.97
Kearneysville	do		.14			.79								2.17							.04			.06	.85		.05						4.10
Knobly Mountain[2]†	do			.18		.14				T.	T.				1.00						T.			T.	1.05		.03			T.	T.		2.40
Martinsburg[2]	do		T.	.02		.90								.65	.75						.05			T.	1.25		.05	.02					3.69
McNeill†	do		.14				.19							.64										.05	.02		.06			T.		T.	1.10
Petersburg	do		.04											.84										.10	.45		.08						1.51
Piedmont	do		.17	.02		.12			.01					.92						.04				.08	.80								2.16
Romney	do		.30		.10	.35								.60						.10			1.06						T.				2.51
Spruce Knob[2]†	do	T.	T.	.14		.48				.19	T.			.20	.24						T.			.11	.64		.10			.04	.02		2.16
Stony River Dam[2]†	do									.05				.30	.02									.22	.80								1.39
Wardensville[2]	do			.07	.02	.51				.01				.60	.39						.02			.02	.88		.04						2.56
Northern Division																																	
Aberdeen†	West Fork		.30		.07	.66			T.	.09				.70	.04						.02			.04	.30	T.	T			T.		T.	2.22
Alpena	Cheat		.22		T.	.42			.05	.30				T.	.20	T.								.32	.85	T.	.15			.20			2.71
Belington[2]	Tygart		T.	.24		.87	T.	T.		.22	T.			.33	.38	T.					.02			.03	.26	T.	.01	T.		T.	.01		2.37
Benson†	West Fork		.30		.05	.21			.02	.04				.70	.10									.08		.11	.05						1.66
Bens Run	Ohio			.50	.09				T.	.06				.76										.14	.14		.03					.02	1.74
Big Skin Creek†	West Fork		.35		.17	.61			.06				.02	.74	.04					.04				.07	.31	T.	.04			T.		.02	2.47
Brownsville†	do		.31	.08	.16	.67				.05				.70										.23	.25					.02		.03	2.50
Buckhannon	Tygart		.46		.14	.60			.10	T.		T.	T.	.80	.05									.11	.36					T.	T.	.05	2.67
Cairo	Litl. Kanawha		.46			.02				T.				.72	.05									.22	.05								1.52
Clarksburg[2]	West Fork		.09	.19		.62				.04		T.		.48	.20						.02			.09	.12		.02						1.87
Crawford	do		.38		.11	.62			05	.03				.74							.11			.10	.30		.07		T.				2.51
Creston[2]	Litl. Kanawha		.25	.10		.04				.02				.40	.19			T.			T.			.10	.05	T	.02			T	T.		1.17
Dailey[2]†	Tygart		T.	.16		.55		T.		.09	T.			.25	.35	T.					.02			.04	.62	T.	.07	T.		T.	T.		2.15
Dam 10, Mon. R.[2]†	Monongahela	T.	.02	.16		.25				.03				.35	.20						.01			.04	.17	.06	.02				T.		1.31
Dam 13, O. R.[2]†	Ohio		.09	.20		.05				.09				.36	.38									T.	.35	.09	T.			T.	T.		1.61
Dam 15, Mon. R.[2]†	Monongahela		.12	.20		.30				.08	T.			.35	.35	T					.04			.06	.18	.06	.06	T.		T.	T.		1.80
Dam 19, O. R.[2]†	Ohio		.40	T.		.03				.02			T.	.41	.13									.20	.10	T.	.04			T.	T.		1.33
Dam 20, O. R.[2]†	do		.33	.08		.02				T.			T.	.50	.10			T.			T.			.14	.08	T.	.02			T.	T.		1.27
Elizabeth (Dam 3)[2]	Litl. Kanawha		.32	.08		.04								.57	.17						T.			.19	.05	T.	.03						1.45
Elk†	West Fork		.40			.70								.90									.18	.32								.07	2.57
Elkins[1]‡	Tygart		.17	.01	T	.62	T.	T.	.24	.06			.07	.58	T					.17				.13	.45	.03	.02		T.	.02		T.	2.57
Fairmont[2]	Monongahela		.13	.17		.28				.03				.48	.27	T.								.14	.18	.08	.05			T	T.		1.81
Glenville[2]	Litl. Kanawha		.22	.04		.29				.11				.49	.22						.05			.12	.14		.16						1.84
Grafton	Tygart		.25			.56			T.	.11				*	.70						.01			*	.39		.01						2.03
Hackers Creek†	West Fork		.27				.50		.15	.06				.76	.11					.02				.20	.15		.05					.01	2.28
Hall[2]	Tygart		T.	.36		.64	T.			.12				.32	.24	T.					.03			.04	.26	T.	.03			T.	.01		2.05
Harrison Co. Airport[2]	West Fork	.03	.22		.24	.40			T.	.02				.87	T.					.02				T.	.23	.02			T.	.01			2.06
Hastings	Ohio		.45	.01	.04	.04				.05				.70	.08	.02								.16	.26		.01			.01		.03	1.86
Horner	West Fork		.35		.15	.70								.75	.20						.02			.05	.30							.05	2.57
Ireland	do		.37		.02						.03			.82		.13								.11									1.48
Jane Lew	do		.38		.11	.52			.01	.07				.78	.12						.08			.10	.23		.02						2.42
Kumbrabow St. For.†[2]	Tygart																																
Lost Creek (near)	West Fork		.08	.18	.02	.61				.06				.52	.23						T.			.07	.16		.02			T.	T.		1.95
Mannington	Monongahela		.42		.01	.09			T.	.10				.75	.07	T.				T.	.02			.13	.25	.02	.02		T.	.02			1.90
Middlebourne	Middle Is. Creek		.34	.07		.03				.02				.53	.25						.01			.11	.10	.04				T.	T.		1.50
Midvale[2]†	Tygart		T.	.27		.48	T.			.32			T.	.34	.28	.02					.07			.07	.28		.04			T.	.03		2.20
Morgantown	Monongahela																																
Mt. Clare	West Fork		.28		.17	.60	T.		T.	.04				.75	.03						.01			.03	.20	.04	.06					T.	2.21
New Cumberland	Ohio	.07	.10		.01				.11					.69	.02									.25	.38		.01			T.			1.64
New Martinsville	do		.23		.02	.02			.05					.87	.02										.23							.05	1.49
Parkersburg[1]‡	do	.05	.25		.01	T.	T.		T.	T.			T.	.57			T.			T.				.19	.07	.01	.02		T.	T.		T.	1.17
Parsons	Cheat		.26	T.	.01	.56			.03	.14				.60	.10					T.	.02			.05	.77	.01	.08	T.		.02		T.	2.65
Philippi[2]	Tygart		.04	.27		.78				.09	T.			.30	.31	T.					.02			.05	.29	T.	.03			T.	T.		2.18
Pickens	do		.46			.47			.05	.25				1.34	.10				T.	.11					.48	.04	.11		T.	.10		T.	3.51
Roanoke	West Fork		.34		.54				.01	.03				.74							.03			.08	.26	T.	.02					.01	2.06
Rockford†	do		.29	.20	.50					.10				.85	T.						.05			.03	.30								2.32
Rowlesburg[2]	Cheat		.02	.24		.10	T.			.13				.31	.53					.08				.04	.60	T.	.07	T.		T.	.02		2.14
Saint Marys[2]	Ohio		*	*		1.10								.75										*	.33	.03	.02						2.23
Salem	West Fork		.37		.07	.08			T.	.03				.82	.08					.03				.12	.14	.04	.05		T.	T.			1.83
Shinnston	do		.65									.40					.25				.22	.75			.10		.05		.01				2.43
Terra Alta†	Cheat		.29			.20				.04				.23	.11					T.				.18	.83	.08	.23			.09		T.	2.28
Thomas[2]	do			.25		T.	.03			.10				.30	1.03	T.								.13	1.15		.09	.03		T.	.03		3.14
Valley Chapel	West Fork		.29	T.	.10	.50			.03	.10				.20	.10						.02			.10	.20	T.							1.64
Valley Head[2]	Tygart		.01	.08		.53	T.			.33	T.			.19	.47	T.				T.	.06			.11	.69	T.	.06	T.		T.	T.		2.53
Vandalia†	West Fork		.39		.11	.40				.05				.73						.06					.34								2.08
Wellsburg (near)	Ohio		.68	T.	.05				T.	T.	T.			.68	T.								.18		.65	T.	T.		T.			T.	2.24
West Milford	West Fork		.28		.10	.35								.70	.12									.10	.15	.02	.04						1.86
Weston[2]	do		.04	.30		.70				.15				.48	.40						.04			.08	.20		.02			T.			2.41
Wheeling (Dam 12)[2]	Ohio		.23	.17		.05				.06				.47	.27	T.								.17	.27	.17	T.			T.	T.		1.86
Southern Division																																	
Arbovale[2]	Greenbrier		*	.11		.48				.20				*	1.38					T.	.05			.40	.80		.15			.10		T.	3.67
Beckley	New		.24		.09				T.					1.28	T.					.09				.16	.39		.16			T.		T.	2.41
Bluefield	New		.03		.26	.02								1.05				.04		T.	.09			.30	.70		.18						2.67
Camden-on-Gauley[2]	Gauley		.08	.25		.63				.09	T.			.48	.23					.19				.10	.21		.06			.02			2.34
Charleston[2]	Gr. Kanawha		.41	.46		.09	T.		.02	T.				.77	.15						T.			.25	.12	.02	.19			T.			2.48
Clay[2]	Elk		.23	.27		.31	T.			.17				.62	.16					T.				.20	.22		.08			T.	T.		2.26
Flat Top[4]	New		.03	T.	.20				.01				.26	1.14	T.									.87	.06	.08				T.		T.	2.65
Gary[2]	Big Sandy			.08		.17								1.16	.14					T.				T.	.49		.13						2.17
Greenbottom[2]†	Ohio		.61		.10	.05	.08							.05										.27	.11		.08						1.35
Hinton[2]	New		T.	.04		.31								1.18	.13									.25	1.25		.08			T.	T.		3.24
Hogsett[2]	Ohio		.50	.15		.10				.02				.60	.07									.27	.10	.08	.05			T.			1.94
Huntington	do		1.00		.15	.12			T.					.65	T.									.30	.08		.12		T.	T.		.02	2.44
Institute[4]	Gr. Kanawha	.01	.62		.15	.02			.02	T			.11	.64						T.				.34	.07	.12				T.		.01	2.11
Kayford[2]	do																																
Lewisburg	Greenbrier		.05	T.	.15	.88			.01	T.			.07	1.13	T						.07			.28	.31	T.	.10			T.			3.19
Logan[2]	Guyandot		.61	.14	T.	.82				T.				.88	.12					.01	T.			.24	.38	T.	.11			T.	T.		3.31
London Locks[2]†	Gr. Kanawha		.33	.36		T.				T.				.55	.10									.18	.20	T.	.19			T.			1.91
Madison[2]	Coal		.72	.16		.42				.03				.77	.09						.02			.24	.25		.18	.01		T.	.01		2.90
Marlinton	Greenbrier		.07		.20	.45			T.					1.41											.74		.24			T.			3.11
Point Pleasant[2]	Ohio		.30	.21		.02				T.				.45	.07			T.			T			.25	.15	.01	.02			T.	T.		1.48
Princeton[2]	New		.10	T.		.23	T.							1.31	.27			T.						.17	.53	T.	.15			T.	T.		2.76
Rainelle	Greenbrier		.22	T.	.22				.02	.05			.05	1.07	.12					T.				.40	.70		.20	.01	T.	.02		.01	3.09
Ravenswood[2]	Ohio		.38	.18		.05				.06				.50	.12									.22	.12	.04	.05						1.72
Richwood[2]	Gauley		.27	.16		.72	.02			.10				.36	.38						.04			.19	.35	.02	.13			.02	.03		2.79

Continued on next page.

Daily Precipitation for December 1941—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	.57	....	.14	.14	....	....	.07	....	....	....	.03	.55	....	....	....	....	....	....	....	....	....	.22	.09	....	.03	....	....	....	....	T.	1.84
Seneca State Forest†	Greenbrier	....	.09	....	.17	.59	....	....	....	....	.06	....	....	1.30	....	....	....	....	....	....	....	....	....	.32	.99	....	.20	....	....	.03	....	....	3.75
Spencer [2]	Litl.Kanawha	....	.55	....	.03	.06	....	....	....	T.	....	....	T.	.70	.11	....	....	....	....	....	.02	....	....	.22	.10	....	.08	....	....	T.	T.	....	1.87
Summersville[2]	Gauley	....	.28	.25	....	.13	....	....	....	.09	....	....	....	.60	.28	....	....	....	....	T.	T.	....	....	.15	.25	....	.02	....	....	T.	....	....	2.05
Sutton	Elk	....	.38	T.	....	.22	....	....	.06	.10	....	....	....	.82	.05	....	....	....	....	....	....	....	....	.10	.24	T.	.06	....	....	....	....	.07	2.10
Thornwood[2]	Greenbrier	....	.06	.02	.03	.54	....	....	.03	.20	....	....	....	.02	....	....	....	....	....	....	.02	.01	....	.10	.10	....	....	....	....	.04	....	....	1.17
Union [2]	New	....	....	.05	....	.70	....	....	....	....	....	....	....	.91	.37	....	....	....	....	....	....	....	....	.15	.41	....	.10	....	....	....	....	....	2.69
Wayne [2]	Twelvepole	.54	.09	....	....	.25	....	....	....	....	....	....	....	.71	.03	....	....	....	....	....	....	....	....	.30	.14	....	....	....	....	....	....	.01	2.07
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	.65	....	....	....	....	....	....	....	.90	.55	....	....	....	....	....	.05	....	....	....	.20	....	....	....	....	....	....	....	.25	2.60
Williamson [2]	Big Sandy	....	.24	.25	T.	.31	....	....	....	....	....	....	....	1.10	.10	....	....	....	....	.03	....	....	....	.19	.36	....	.16	....	....	....	....	....	2.74
Winfield Locks[2]†	Gr. Kanawha	....	.53	.30	....	....	.17	....	....	.05	....	....	....	.49	.14	....	....	....	....	....	....	....	....	.27	.07	...	.09	....	....	....	....	....	2.11

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for December 1941

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	65	55	60	67	60	37	37	41	32	39	35	30	38	25	35	47	43	42	50	35	48	60	55	40	40	55	35	28	20	34	40	42.8
	Minimum	33	26	26	28	30	30	18	15	21	18	6	6	19	22	14	15	29	18	28	25	6	10	15	39	31	30	27	23	18	3	4	20.4
Beckley	Maximum	64	56	67	59	64	57	48	40	43	50	41	34	42	41	40	49	46	56	55	44	47	61	60	59	46	59	52	36	34	39	41	49.4
	Minimum	29	42	44	50	47	31	20	24	29	25	16	26	27	23	16	25	33	28	42	34	22	33	40	38	35	40	33	26	21	11	28	30.3
Bluefield	Maximum	63	59	64	61	59	57	..	42	44	43	43	47	41	..	44	49	48	55	55	52	..	57	56	58	..	56	53	..	42	38	42	51.1
	Minimum	32	48	45	52	47	35	..	24	21	23	21	20	27	..	20	29	36	35	46	38	..	30	43	40	..	35	35	..	23	14	31	32.7
Brandywine	Maximum	65	64	67	63	68	58	40	50	54	40	34	35	30	37	52	54	62	68	57	44	45	56	55	58	56	57	55	40	35	38	42	50.9
	Minimum	31	34	33	32	47	31	16	20	18	16	7	24	20	25	15	19	22	20	25	23	9	14	29	38	25	30	29	15	13	3	20	22.7
Buckhannon	Maximum	61	61	63	68	61	60	42	44	35	41	40	45	48	43	38	48	45	59	57	51	48	60	62	61	45	57	50	37	33	37	46	49.9
	Minimum	34	40	43	40	40	36	20	23	27	18	12	12	35	23	20	19	32	23	23	30	35	24	38	40	35	23	30	28	23	16	24	27.9
Cairo	Maximum	65	67	67	67	68	67	48	46	46	44	44	43	47	47	41	51	51	56	58	50	53	69	68	66	46	61	60	39	35	36	42	53.2
	Minimum	32	45	42	40	45	38	17	25	32	20	10	28	35	29	11	17	31	23	27	27	16	23	35	45	40	35	32	32	28	32	27	29.6
Charleston (Airport)	Maximum	67	65	68	67	68	47	44	49	46	49	35	44	49	37	46	52	51	61	59	49	62	71	67	61	46	62	44	36	35	38	46	52.3
	Minimum	29	47	47	52	46	28	19	27	24	21	15	31	37	19	14	21	27	25	34	25	21	30	49	42	40	41	35	31	21	17	31	30.5
Clarksburg [3]	Maximum	65	57	59	70	63	43	39	47	39	42	31	42	46	33	38	50	42	56	51	38	48	64	64	47	45	58	41	34	32	35	43	47.2
	Minimum	27	39	42	39	39	39	22	21	30	21	12	13	29	31	18	17	18	23	24	28	17	18	23	45	38	37	34	31	27	24	23	27.4
Elkins	Maximum	66	59	64	65	64	54	35	43	29	42	32	39	45	34	40	51	41	57	50	43	52	62	60	56	39	58	43	31	27	39	42	47.2
	Minimum	38	43	44	38	54	28	22	28	17	17	13	26	34	22	22	22	29	22	33	21	16	24	49	37	36	37	31	27	24	16	29	29.0
Fairmont [3]	Maximum	69	55	57	73	66	44	43	46	32	43	32	41	44	30	40	53	41	55	47	41	49	65	63	46	43	62	40	40	32	36	40	47.4
	Minimum	36	44	43	40	41	40	23	24	30	24	14	15	29	30	18	19	27	29	29	30	18	18	26	43	38	38	40	32	27	21	21	29.3
Flat Top	Maximum	57	55	59	55	60	51	39	39	39	45	35	28	36	35	36	46	45	55	53	45	56	53	54	54	45	56	43	30	22	32	37	45.0
	Minimum	26	41	41	48	47	27	19	22	27	29	12	21	27	19	16	22	31	24	40	32	31	27	40	34	31	38	28	22	19	11	25	28.3
Gary [3]	Maximum	68	57	74	65	67	46	45	47	47	53	43	39	48	33	45	55	53	61	60	53	61	66	64	46	56	62	45	35	31	43	46	52.1
	Minimum	29	31	44	48	47	40	24	26	31	21	21	23	33	33	16	16	23	26	26	23	22	26	20	45	40	40	32	26	28	15	16	28.7
Glenville	Maximum	69	63	69	62	68	64	54	48	42	44	42	45	48	46	45	51	52	61	57	62	55	69	67	59	46	64	55	39	36	38	39	53.5
	Minimum	23	42	44	44	51	40	20	22	29	20	14	29	37	30	15	20	19	24	28	30	18	25	31	39	40	39	35	33	28	22	26	29.6
Grafton	Maximum	68	64	64	74	70	64	43	41	39	44	45	45	45	45	41	49	50	55	56	48	53	68	68	63	48	62	63	37	34	36	42	52.4
	Minimum	36	38	40	37	50	35	20	21	25	17	10	21	32	23	15	15	33	20	25	30	12	23	33	40	34	33	28	27	22	16	23	26.9
Huntington	Maximum	66	65	62	62	68	60	47	49	48	50	36	44	48	42	46	50	53	61	58	52	56	72	67	62	45	62	54	38	38	37	46	53.0
	Minimum	32	45	40	50	51	38	25	31	35	29	18	31	38	31	19	26	39	30	35	35	26	32	49	44	42	39	38	34	29	21	33	34.4
Lewisburg	Maximum	61	53	66	58	63	55	43	43	45	52	39	33	35	37	42	52	47	58	54	52	55	56	56	57	47	60	49	35	29	32	38	48.5
	Minimum	30	42	40	45	50	34	23	25	32	28	16	27	28	25	19	20	35	23	40	35	25	28	44	40	36	40	33	23	21	11	25	30.4
Logan [3]	Maximum	68	61	70	67	70	52	43	47	50	54	38	45	47	36	40	53	54	64	61	55	60	64	67	48	57	65	44	39	32	42	45	52.8
	Minimum	31	35	49	50	52	43	25	25	33	28	22	22	34	36	20	20	25	29	29	34	27	28	32	48	42	42	39	25	31	21	21	32.2
Madison[3]	Maximum	51	60	68	67	69	50	45	49	45	50	36	45	49	34	31	37	49	62	60	52	53	66	67	49	54	61	41	46	33	40	..	50.3
	Minimum	29	32	45	47	50	40	22	26	33	23	16	17	32	31	16	18	21	26	28	31	23	27	31	46	40	41	36	33	28	16	19	29.8
Mannington	Maximum	63	56	57	69	63	61	37	44	40	40	35	40	45	45	37	46	44	54	53	48	44	59	63	62	45	56	48	37	33	34	39	48.3
	Minimum	40	43	41	37	54	37	20	23	29	19	11	23	35	27	14	16	35	22	26	31	14	21	31	43	36	37	33	31	27	20	25	29.1
Marlinton	Maximum	62	52	70	57	67	56	44	43	43	52	42	32	35	38	43	50	48	57	54	51	56	59	53	55	50	61	49	35	30	34	36	48.8
	Minimum	22	30	39	36	46	33	22	18	28	19	13	25	25	24	12	14	30	20	30	35	16	21	31	39	35	36	28	20	21	6	21	25.6
Martinsburg [3]	Maximum	56	46	48	54	61	50	44	55	45	48	35	35	40	40	40	53	46	58	55	50	35	40	58	55	48	50	46	40	39	40	39	46.7
	Minimum	43	35	38	38	40	44	31	28	32	28	22	25	27	30	25	26	28	26	26	37	20	20	23	34	45	38	36	35	33	21	20	30.8
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Cumberland	Maximum	57	56	55	70	65	59	40	41	36	35	31	35	40	40	37	48	42	51	50	49	40	62	61	60	44	58	50	38	34	33	37	46.9
	Minimum	43	46	41	46	52	34	27	27	31	25	17	22	33	25	21	31	36	33	31	30	18	25	37	41	37	36	35	32	28	22	28	31.9
New Martinsville	Maximum	65	66	56	64	66	61	49	47	37	42	31	39	45	41	39	49	44	53	48	48	46	65	63	60	45	59	50	36	35	36	39	49.2
	Minimum	42	49	43	44	53	37	33	27	31	22	13	22	36	28	17	21	36	26	31	29	18	25	38	44	39	40	35	32	29	26	28	32.1
Parkersburg	Maximum	65	59	53	65	65	45	38	47	36	41	31	43	47	35	41	48	44	56	49	42	51	67	64	60	42	59	44	35	33	36	42	47.8
	Minimum	39	49	41	43	45	30	24	30	26	21	17	28	35	22	17	31	34	34	28	27	24	33	51	42	40	40	35	31	28	26	32	32.4
Pickens	Maximum	65	60	63	62	59	51	49	39	38	41	42	40	44	37	34	37	41	45	49	50	52	60	66	57	44	53	45	38	32	48	40	47.8
	Minimum	23	37	39	48	48	27	30	21	20	11	9	27	33	19	16	21	25	30	31	19	23	33	45	35	32	34	29	21	19	8	29	27.5
Point Pleasant	Maximum	67	64	66	66	70	60	43	47	41	43	43	44	46	45	38	44	46	55	53	52	55	70	65	66	42	57	58	38	34	37	42	51.5
	Minimum	29	49	44	44	48	39	20	38	32	24	15	29	37	29	14	21	31	27	29	34	21	27	46	44	40	41	36	32	28	21	31	32.3
Rainelle	Maximum	62	54	64	55	64	54	39	41	42	48	40	37	34	37	42	39	47	55	53	50	51	55	55	55	49	59	43	35	27	33	38	47.0
	Minimum	23	32	40	48	44	28	21	19	29	18	13	26	25	23	10	15	33	19	39	34	18	23	41	39	34	39	28	26	21	8	25	27.1
Ravenswood	Maximum	67	68	62	66	66	62	43	47	44	45	44	44	47	46	42	48	46	57	57	52	56	68	65	65	46	60	61	57	39	39	42	53.3
	Minimum	31	48	42	42	45	38	19	26	32	22	12	29	37	29	13	21	33	31	29	33	20	29	49	43	39	38	36	33	29	22	29	31.6
Richwood [3]	Maximum	62	56	69	61	63	49	39	41	39	46	32	47	43	31	39	48	42	56	53	40	54	63	58	44	49	59	42	39	35	46	..	48.2
	Minimum	26	28	41	46	49	35	23	24	29	23	17	15	31	25	15	17	27	26	26	37	22	25	34	43	36	37	31	35	23	15	16	28.3
Romney	Maximum	66	55	68	60	70	64	45	49	41	40	41	37	35	45	42	56	56	60	60	61	54	60	50	51	59	49	39	36	34	45	49	50.5
	Minimum	25	36	36	37	51	40	29	24	31	30	20	21	31	25	26	21	37	21	31	34	21	28	23	21	35	33	33	30	14	15	21	28.4
Spencer [3]	Maximum	67	61	65	66	66	49	42	46	41	45	34	43	46	34	42	53	45	59	53	41	55	68	69	48	59	61	41	39	33	38	44	50.1
	Minimum	29	47	46	48	49	39	20	26	31	23	13	14	34	30	13	15	31	26	29	30	19	27	40	46	40	39	39	32	27	19	30	30.7
Sutton	Maximum	70	70	61	61	64	63	43	46	46	45	45	43	43	40	43	50	50	58	58	56	57	69	69	65	48	61	61	39	35	38	38	52.8
	Minimum	26	40	44	45	50	40	20	20	35	20	15	29	35	30	15	19	31	22	32	28	18	25	45	45	40	40	34	33	28	18	29	30.7
Wardensville [3]	Maximum	59	46	66	64	68	48	42	51	38	51	35	34	44	36	43	54	47	59	55	43	41	42	59	54	47	59	46	36	35	35	38	47.6
	Minimum	40	32	36	34	38	40	27	21	25	20	17	22	25	28	16	17	22	19	26	39	12	16	18	35	42	34	30	25	29	12	17	26.3
Weston	Maximum	69	58	67	70	68	60	42	14	43	44	40	43	46	42	42	51	48	60	55	49	58	62	65	60	49	60	55	40	33	39	42	51.7
	Minimum	39	46	47	41	55	41	22	32	31	29	16	28	41	30	20	24	34	28	29	38	20	28	50	48	40	42	39	33	28	21	30	33.9
Wheeling[3]	Maximum	62	56	54	70	65	43	41	43	38	38	31	40	43	32	39	47	46	51	49	41	49	63	63	48	47	57	44	39	32	34	39	46.6
	Minimum	46	47	42	39	38	38	29	29	32	28	17	18	28	31	21	21	34	35	32	31	23	25	39	44	39	38	37	33	29	25	25	32.0
Williamson[3]	Maximum	65	59	68	66	69	49	46	49	51	53	38	44	48	35	47	51	54	63	60	56	59	65	66	49	56	64	47	39	35	43	46	52.9
	Minimum	32	35	49	48	48	43	26	27	31	27	23	23	33	34	21	21	25	31	32	34	28	29	33	48	42	43	39	35	32	24	25	32.9

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 1-24-42—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. XLIX PARKERSBURG, W. VA., YEAR 1941 No. 13

GENERAL SUMMARY

The year was practically normal as to temperature. The average was 53.4° or 0.4° above normal. Four months, January, February, March, and August were below normal in temperature, while the remainder were above normal. February was the coldest month with a mean temperature of 29.2°. March was very cold (second coldest March of record) and dry, retarding the start of spring until April. April and May were very warm and dry, being good ground preparation and seeding weather, however, lack of moisture contributed to slow growth of crops, especially hay. Severe frosts of May 11–14th killed the fruit crop on lower elevations. During the dry April weather, forest fires broke out and began to increase, climaxing in 150 fires on the 21st. One firefighter lost his life. Several thousand acres of timber, several homes and a school were destroyed. With the aid of showers on April 23d-24th these fires were brought under control. The warmest month was July, 74.4°. September and October were moderately warm allowing for good maturing conditions. The lowest monthly mean temperature was 20.2° at Bayard in February, and the highest, 79.4 at Williamson in July. The annual mean temperatures ranged from 45.3° at Bayard to 58.6 at Huntington. The highest temperature was 105° at Inwood on July 28th; the lowest -11° at Seneca State Forest on Februery 10th.

The mean annual precipitation, 35.97 inches, was 6.99 inches below the normal and the smallest annual amount since the drought year 1930. It was the 5th driest year of record. Only one statson, St. Marys, had a plus departure for precipitation. The total deficiency from January 1st to May 31st was 8.05 inches; then with a wet June the trend reversed and the three summer months of June, July, and August had a combined excess of 3.05 inches. The fall and the early winter were dry with a deficiency of 2.04 inches for the four months, September to December, inclusive. A flood at Hundred, W. Va. on the third of June caused much damage th business houses ane homes. The navigable rivers were practically ice-free during the calendar year.

Reports at the end of the growing season showed that the main farm crops has all been normal or somewhat above in yield. Construction work and other outdoor activities were hindered very little by the weather during the year. With the exception of the last week in January, the highways and roads were in passable condition throughout the year.

MONTHLY STATE DATA FOR 1941

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	32.5	−0.1	66	−6	2.73	− .90	5.1	12	5	7	19	nw.
February	29.2	−4.1	66	−11	.96	−2.17	9.3	8	8	8	12	w.
March	34.8	−7.5	72	−7	1.95	−1.94	12.2	10	9	10	12	w.
April	56.0	+4.2	96	15	2.17	−1.38	T.	7	15	8	7	w.
May	62.2	+.5	102	20	2.28	−1.66	T.	7	17	9	5	w.
June	70.1	+.4	101	31	6.03	+1.56	.0	14	11	10	9	w.
July	74.4	+1.2	105	37	5.39	+.77	.0	13	12	12	7	w.
August	71.2	−.6	102	32	4.80	+.72	.0	9	17	9	5	w.
September	67.8	+1.4	99	26	2.22	−.66	.0	7	18	9	3	w.
October	59.6	+4.9	99	17	2.89	+.05	.0	12	12	9	10	w.
November	44.3	+1.1	80	6	2.31	−.42	.2	7	14	6	10	w.
December	39.3	+4.5	74	2	2.24	−1.01	1.0	9	7	9	15	w.
Annual	53.4	+.4	105	−11	35.97	−6.99	27.8	115	145	106	114	w.

MONTHLY EVAPORATION FOR 1941

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	......	5.388	5.069	5.454	4.971	3.549	1.920
	Wind movement, miles	......	1,394	701	757	753	682	975
Wardensville	Evaporation, inches	4.806	6.921	5.117	6.033	6.289	5.431	3.544
	Wind movement, miles	1,292	1,599	1,066	825	777	950	1,366

KILLING FROSTS–1941

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Alpena	May 25	Oct. 12	Mannington	May 25	Oct. 12
Bayard	June 11	Sept. 13	Marlinton	May 25	Oct. 12
Beckley	May 13	Oct. 11	Martinsburg	May 13	Oct. 29
Benson	May 25	Oct. 26	McNeill	May 25	Oct. 9
Bens Run	May 11	Oct. 29	Middlebourne	May 14	Oct. 26
Bluefield	April 3	Oct. 29	New Cumberland	May 12	Oct. 26
Brandonville	May 25	Oct. 12	New Martinsville	May 13	....
Brandywine	May 25	Oct. 9	Parkersburg	May 11	Oct. 29
Brownsville	May 14	Oct. 12	Parsons	May 14	Oct. 12
Buckhannon	May 14	Oct. 26	Pickens	May 25	Oct. 26
Cairo	May 14	Oct. 12	Piedmont	May 13	Oct. 26
Clarksburg	May 25	Oct. 12	Point Pleasant	April 27	Nov. 15
Creston	May 13	Oct. 24	Rainelle	May 25	Oct. 9
Elkins	May 11	Oct. 12	Ravenswood	May 12	Oct. 26
Fairmont	May 11	Oct. 28	Richwood	May 13	Oct. 11
Flat Top	May 19	Oct. 11	Romney	May 13	Oct. 11
Gary	May 13	Oct. 12	Ryan	May 14	Oct. 29
Glenville	May 13	Oct. 29	Seneca State Forest	May 26	Oct. 9
Grafton	May 25	Oct. 12	Spencer	May 14	Oct. 26
Grantsville	....	Oct. 29	Sutton	May 13	Oct. 26
Greenbottom	April 3	Oct. 29	Terra Alta	May 13	Oct. 12
Hinton	May 13	Oct. 29	Union	May 25	Oct. 9
Huntington	April 3	Oct. 29	Valley Chapel	May 11	Oct. 24
Institute	April 27	Oct. 25	Wardensville	May 13	Oct. 12
Kearneysville	May 13	Oct. 17	Wellsburg	May 25	Oct. 26
Lewisburg	May 13	Oct. 12	Weston	May 13	Oct. 26
Logau	April 3	Nov. 13	Wheeling(Dam 12)	May 12	Oct. 29
Loudon Locks	April 3	Nov. 11	White Sulphur Spgs.	May 25	Oct. 9
Lost Creek	May 13	Oct. 11	Williamson	April 3	Nov. 12
Madison	April 29	....	Winfield Locks	April 4	Oct. 29

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	......	.....	.....	.....	....
1892	52.3	99	−12	32.70	41.43	37.06	38.33	......	.....	.....	.....	....
1893	52.0	99	−25	36.26	39.68	41.40	39.82	......	116	.....	.....	....
1894	53.5	103	−29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	......	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	......	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
Period	53 0	112	−37	37.05	45.10	42.71	42.96	33.9	122	146	94	125

Climatological Data for the Year 1941

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	45.3	90	July 2†	−5	Feb. 5†	37	43.51	8.39	July	1.37	Sept.	70.4	122	205	59	101	w.
Brandywine	Pendleton	1,586	26	51.5	98	July 27	1	Feb. 18	26	25.16	4.82	Aug.	.50	Feb.	18.0	71	256	7	102	u.
Harpers Ferry	Jefferson	400	....	....	....	....	....	....	52	29.96	4.06	July	.45	Feb.	23.2	91	...	...	...	....
Kearneysville	Jefferson	548	11	54.7	101	July 28	10	Jan. 30	11	29.05	4.89	June	.23	Feb.	....	83	148	159	58	n.
Martinsburg	Berkeley	435	49	55.1	103	July 28	12	Mar. 18	51	30.67	4.27	June	.26	Feb.	24.0	97	248	99	18	w.
McNeill	Hardy	800	9	52.0	99	July 28	1	Jan. 21†	9	27.35	6.21	June	.64	Feb.	20.5	79	143	107	115	w.
Petersburg	Grant	....	....	54.2	100	July 28†	4	Mar. 18	..	22.82	4.96	Aug.	.36	Feb.	22.2	83	36	239	90	w.
Piedmont	Mineral	1,053	26	52.5	96	July 1†	7	Mar. 18	26	33.18	6.95	July	.39	Sept.	29.8	89	118	123	124	uw.
Romney	Hampshire	824	44	53.8	98	July 27†	9	Jan. 21	41	32.48	6.20	July	.77	Feb.	27.0	77	217	64	84	....
Spruce Knob	Pendleton	4,550	....	....	....	....	....	....	11	37.07	7.19	Aug.	.96	Feb.	52.4	113	...	...	...	....
Stony River Dam	Grant	3,300	....	....	....	....	....	....	22	30.65	6.09	June	.82	Sept.	58.2	71	83	109	173	w.
Wardensville	Hardy	1,200	22	52.1	97	July 2	5	Jan. 21	24	27.36	6.13	July	.18	Feb.	24.4	99	142	136	87	nw.
Northern Division																				
Aberdeen	Upshur	1,060	....	....	....	....	....	....	18	39.60	7.93	June	.80	Feb.	22.4	120	101	146	118	....
Alpena	Randolph	2,571	11	47.4	92	Sept. 9	−7	Mar. 2	11	50.15	8.04	Aug.	2.44	Nov.	115.5	146	135	124	106	....
Benson	Harrison	1,080	19	54.0	99	July 27	2	Mar. 5	19	38.67	6.73	June	.92	Feb.	44.4	120	130	164	71	....
Bens Run	Pleasants	652	41	54.2	....	....	9	Mar. 18	41	37.95	8.16	June	.65	Feb.	16.3	114	229	67	69	....
Brownsville	Lewis	1,032	18	54.5	97	July 28†	4	Mar. 5	19	37.60	8.18	June	.59	Feb.	....	114	135	131	99	....
Buckhannon	Upshur	1,411	49	52.5	92	July 27	4	Mar. 2	52	46.72	10.07	June	1.50	Feb.	23.0	116	185	92	88	....
Cairo	Ritchie	680	39	55.0	97	July 2†	3	Jan. 20	39	33.46	6.90	June	.52	Feb.	20.2	115	157	118	90	....
Clarksburg	Harrison	1,015	19	52.3	99	July 27	3	Mar. 2	19	36.72	6.30	June	.68	Feb.	26.2	119	130	96	139	....
Crawford	Lewis	1,107	....	....	....	....	....	....	19	40.69	7.55	June	.81	Feb.	21.3	128	147	111	107	sw.
Creston	Wirt	640	41	55.2	99	July 27	5	Jan. 20	42	30.14	5.00	June	.38	Feb.	13.5	111	140	107	118	....
Dam 10 Mon. R.	Monongalia	826	....	....	....	....	....	....	20	37.30	7.47	June	.70	Feb.	23.2	128	....	....	....	....
Dam 13 O. R.	Marshall	655	....	....	....	....	....	....	26	31.84	7.85	June	.50	Feb.	19.9	124	....	....	....	....
Dam 15 Mon. R.	Marion	882	....	....	....	....	....	....	20	34.77	6.49	June	.76	Feb.	20.7	113	....	....	....	....
Dam 19 O. R.	Wood	600	....	....	....	....	....	....	25	32.24	6.40	June	.67	Feb.	9.6	113	....	....	....	....
Dam 20 O. R.	Wood	600	....	....	....	....	....	....	25	32.04	8.60	June	.73	Feb.	13.6	110	....	....	....	....
Elizabeth	Wirt	615	....	....	....	....	....	....	32	32.52	7.86	June	.44	Feb.	11.3	95	....	....	....	....
Elkins	Randolph	1,927	43	51.1	93	July 27	−2	Mar. 2	43	42.33	8.41	Aug.	1.27	Feb.	36.5	152	83	110	172	w.
Fairmont	Marion	883	36	53.7	99	June 22†	5	Mar. 2	50	36.02	6.14	June	1.54	Feb.†	39.9	115	155	66	144	w.
Glenville	Gilmer	738	49	56.8	101	July 28	6	Jan. 20	55	41.61	8.29	June	1.11	Feb.	14.0	113	94	131	140	w.
Grafton	Taylor	1,050	48	53.9	100	July 28	−1	Mar. 2	50	39.09	7.40	June	1.55	Feb.	25.6	120	189	66	110	....
Harrison Co. Airport	Harrison	1,184	2	53.2	98	Aug. 9	5	Mar. 2	2	33.87	6.42	June	.40	Feb.	19.0	116	109	104	152	sw.
Hastings	Wetzel	809	....	....	....	....	....	....	7	41.48	10.39	June	1.45	April	19.0	141	145	99	121	w.
Horner	Lewis	1,044	....	....		....	....	....	19	39.34	7.41	Aug.	.71	Feb.	....	...	....	....	....	....
Jane Lew	Lewis	1,020	....	....	....	....	....	....	19	41.19	8.32	June	.55	Feb.	18.4	134	....	....	....	....
Lost Creek	Harrison	1,026	46	52.4	97	July 27	3	Mar. 2†	46	39.15	7.11	June	1.37	Feb.	30.7	128	103	133	129	w.
Mannington	Marion	974	41	51.7	93	July 1	0	Mar. 1†	41	43.08	9.01	June	1.02	Feb.	30.2	155	130	95	140	w.
Morgantown	Monongalia	1,300	49	....	....	....	....	....	..	....	....	....	...	....	....	...	....	....	....	....
New Cumberland	Hancock	671	45	54.0	98	July 27†	5	Feb. 10	45	34.85	5.77	Aug.	.45	Feb.	27.0	114	133	28	204	nw.
New Martinsville	Wetzel	637	49	55.0	102	July 28	8	Mar. 18	49	38.60	9.73	June	.68	Feb	14.5	99	193	84	88	sw.
Parkersburg	Wood	615	54	55.1	98	July 27	10	Mar. 18	54	31.57	6.10	June	1.17	Dec.	20.1	125	120	109	136	se.
Parsons	Tucker	1,649	43	52.1	93	July 1†	−4	Mar. 2	43	45.63	8.28	July	1.96	April	30.3	131	....	....	....	....
Philippi	Barbour	1,300	....	....	....	....	....	....	49	39.75	8.03	June	.80	Feb.	30.6	129	....	....	....	....
Pickens	Randolph	2,760	52	48.7	91	July 27	−10	Feb. 20	52	54.67	7.33	Aug.	2.63	Nov.	96.0	138	172	84	109	w.
Roanoke	Lewis	1,050	....	....	....	....	....	....	19	38.96	7.20	June	.59	Feb.	21.1	119	161	64	140	....
Rowlesburg	Preston	1,375	....	....	....	....	....	....	58	45.43	7.69	Aug.	1.11	Feb.	44.8	133	....	....	....	....
Saint Marys	Pleasants	625	....	....	....	....	....	....	34	42.05	10.23	June	.81	Feb.	19.9	109	....	....	....	....
Shinnston	Harrison	910	....	....	....	....	....	....	5	38.97	7.74	June	.37	April	28.3	101	209	78	78	....
Terra Alta	Preston	2,559	40	48.4	90	July 2	−6	Jan. 21†	36	46.76	8.66	June	1.49	Mar.	65.0	133	160	93	112	w.
Thomas	Tucker	3,000	....	....	....	....	....	....	13	48.14	8.19	Aug.	1.70	Feb.	68.0	114	....	....	....	....
Valley Chapel	Lewis	1,011	19	55.3	....	....	....	....	19	38.51	6.41	June	.65	Feb.	22.9	117	136	125	104	w.
Vandalia	Lewis	1,120	....	....	....	....	....	....	19	38.91	7.82	Aug.	.59	Feb.	....	95	....	....	....	....
Wellsburg (near)	Brooke	668	43	52.2	100	July 27	3	Feb. 10	50	34.08	7.20	June	.67	Feb.	20.0	90	162	73	130	....
West Milford	Harrison	979	....	....	....	....	....	....	17	38.55	6.89	June	1.08	Feb.	24.3	118	....	....	....	....
Weston	Lewis	1,026	49	56.0	98	July 27	6	Mar. 2	54	43.30	8.34	June	.96	Feb.	29.9	138	58	243	64	....
Wheeling (Dam 12)	Ohio	659	34	53.5	99	July 27	10	Jan. 5†	58	32.18	6.43	June	.52	Feb.	34.3	120	136	89	140	sw.
Southern Division																				
Arbovale	Pocahontas	2,727	....	....	....	....	....	....	17	29.67	4.59	July	.85	Feb.	40.0	114	164	105	96	w.
Beckley	Raleigh	2,440	41	52.1	93	July 1†	−2	Jan. 6	45	34.49	5.31	July	1.46	May	33.2	129	145	142	78	....
Bluefield	Mercer	2,558	48	54.5	92	May 22	6	Jan. 6	50	29.24	4.99	July	1.22	Nov.	24.4	128	157	89	119	....
Camden-on-Gauley	Webster	2,029	....	....	....	....	....	....	23	38.84	5.98	June	.90	Feb.	27.5	132	....	....		....
Charleston	Kanawha	602	40	....	....	....	....	....	57	38.05	6.73	July	.88	Feb.	20.1	116	....	....	....	....
Clay	Clay	790	....	....	....	....	....	....	40	35.56	5.54	July	.73	Feb.	15.4	129	....	....	....	....
Flat Top	Mercer	3,270	4	49.3	88	July 27	1	Jan. 5†	4	29.20	5.27	July	.66	May	34.7	125	76	138	151	uw.
Gary	McDowell	1,426	25	54.4	94	July 1†	4	Jan. 6	25	37.76	7.08	July	1.07	May	....	120	....	....	....	....
Greenbottom	Cabell	550	4	56.7	100	July 1	7	Jan. 6	4	28.08	6.37	July	.43	Feb.	10.2	105	100	128	137	sw.
Hinton	Summers	1,431	45	56.0	102	May 22	7	Jan. 6	53	30.17	4.03	July	.77	May	6.9	118	....	....	....	....
Hogsett	Mason	564	....	....	....	....	....	....	26	32.03	5.89	June	.39	Feb.	9.0	108	....	....	....	....
Huntington	Cabell	571	45	58.6	101	June 28	9	Jan. 6	48	32.66	9.18	July	.47	Feb	9.8	105	101	161	103	sw.
Institute	Kanawha	606	4	55.4	99	July 1†	4	Jan. 6	4	34.17	6.97	July	.80	Feb.	14.8	131	....	....	....	....
Kayford	Kanawha	1,335	....	....	....	....	....	....	25	41.44	7.88	June	1.18	Feb.	....	..	....	....	....	....
Lewisburg	Greenbrier	2,250	40	52.8	94	July 27	3	Jan. 6	50	27.56	3.56	Aug.	1.01	Feb.	19.4	122	134	93	138	....
Logan	Logan	700	16	57.5	101	July 1†	9	Jan. 6†	41	33.74	5.72	June	.81	Feb.	2.0	111	122	104	139	....
London Locks	Kanawha	623	6	55.9	97	July 1	6	Jan. 6	6	34.72	5.22	June	.83	Feb.	6.0	121	134	100	131	w.
Madison	Boone	675	24	54.5	....	....	4	Jan. 6	30	32.51	6.32	July	.69	Feb.	....	...	....	....	....	....
Marlinton	Pocahontas	2,125	46	52.7	96	July 27	0	Feb. 8	45	31.28	5.42	July	1.00	Feb.	25.8	...	89	149	127	w.
Point Pleasant	Mason	595	49	55.6	100	July 1	8	Jan. 6	53	35.30	8.20	July	.37	Feb.	8.8	116	156	139	70	s.
Rainelle	Greenbrier	2,424	11	50.5	92	July 27	−3	Jan. 6†	11	36.36	6.03	July	1.33	Sept.	59.2	155	165	64	136	....
Ravenswood (Dam 22)	Jackson	584	19	56.2	99	July 2†	7	Jan. 20	27	35.43	7.38	June	.70	Feb.	11.2	122	141	60	164	nw.
Richwood	Nicholas	2,193	11	51.2	93	July 26	−3	Feb. 19†	11	45.57	7.92	July	1.56	Feb.	56.6	168	105	131	129	se.
Ryan	Roane	700	40	52.8	95	June 22†	1	Jan. 20	40	33.42	7.38	July	.74	Feb.	18.3	106	159	114	92	....
Seneca State Forest	Pocahontas	2,650	3	49.7	94	April 20	−11	Feb. 10	3	30.03	5.38	July	.69	Feb.	30.7	94	183	122	60	w.
Spencer	Roane	789	45	54.7	98	July 1	6	Jan. 20	45	32.54	5.21	June	.68	Feb.	15.5	121	100	154	121	....
Sutton	Braxton	850	37	55.9	100	July 27†	5	Jan. 20†	41	40.61	7.21	July	1.49	Feb.	24.0	114	....	....	....	....
Thornwood	Pocahontas	2,900	....	....	....	....	....	....	7	35.18	7.07	Aug.	1.06	Sept.	....	...	..	....	....	....
Union	Monroe	2,200	39	51.7	96	July 27	−1	Jan. 6	39	30.03	5.12	July	.67	May	14.0	92	162	17	186	....
Wayne	Wayne	598	....	....	....	....	....	....	17	32.82	7.48	July	.60	Feb.	....	97	....	....	....	....
White Sulphur Springs	Greenbrier	1,914	30	52.2	96	May 22†	−2	Jan. 6	30	31.09	4.65	July	1.24	Feb.	17.3	91	214	50	101	....
Williamson	Mingo	673	42	57.7	101	July 1	11	Jan. 6	42	35.42	7.18	July	.93	Feb.	5.2	113	151	108	106	ne.
Winfield Locks	Putnam	571	....	56.0	99	July 27	8	Jan. 6	4	34.65	5.82	July †	.65	Feb.	8.2	111	148	77	140	sw.
State averages and	extremes	....	....	**53.4**	105	July 28	−11	Feb. 10	..	**35.97**	**10.39**	June	***.10**	Feb.	**27.8**	**115**	**145**	**106**	**114**	**w.**

† Also on other dates. * At Moorefield

Monthly and Annual Precipitation for the Year 1941, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	3.08	-1.42	1.77	-1.73	2.27	-2.24	1.57	-2.27	3.03	-1.27	6.35	+1.22	8.39	+4.15	8.16	+3.78	1.37	-1.94	2.96	-0.30	2.88	-0.12	1.68	-2.16	43.51	-4.30
Brandywine	1.07	-1.27	.50	-1.26	1.15	-1.32	2.27	-.40	1.08	-2.00	4.27	+.39	4.79	+1.22	4.82	+1.24	.68	-1.70	.91	-1.46	1.52	-.26	2.10	.00	25.16	-6.82
Brushy Run	1.41	......	.15	......	1.44	......	1.68	......	1.31	......	4.26	......	3.76	......	4.29	......	1.56	......	.48	......	2.22	......	1.60	......	24.16	......
Harpers Ferry	2.84	+.13	.45	-1.81	2.31	-.74	2.55	-.70	2.20	-1.24	3.19	-.46	4.06	+.56	3.88	-.11	1.31	-1.35	1.13	-2.13	2.06	-.13	3.98	+1.37	29.96	-6.61
Inwood	2.41	......	.51	......	1.60	......	2.66	......	1.69	......	4.39	......	2.70	......	4.10	......	1.79	......	1.27	......	2.73	......	2.97	......	28.82	......
Kearneysville	2.36	-.42	.23	-2.13	1.96	-1.36	2.57	-.71	2.23	-1.26	4.89	+1.26	2.07	-1.12	3.38	-.37	1.40	-1.93	1.35	-1.91	2.51	-.09	4.10	+1.69	29.05	-8.35
Knobly Mountain	3.03	......	1.17	......	1.73	......	1.52	......	1.71	......	3.94	......	4.64	......	3.55	......	.35	......	.75	......	2.44	......	2.40	......	27.23	......
Martinsburg	3.16	+.65	.26	-2.14	1.56	-1.70	2.85	-.26	2.98	-.41	4.27	+.13	2.55	-1.07	3.51	-.55	1.28	-1.64	1.37	-1.70	3.19	+.94	3.69	+.93	30.67	-6.82
McNeill	1.93	-.45	.64	-1.49	1.33	-1.26	1.61	-1.35	1.50	-1.73	6.21	+2.61	5.12	+2.09	4.35	+1.36	.78	-1.50	.85	-1.46	1.93	+.38	1.10	-.96	27.35	-3.76
Petersburg	1.79	......	.36	......	1.09	......	1.83	......	1.11	......	4.50	......	2.96	......	4.96	......	.53	......	*.45	......	1.73	......	1.51	......	22.82	......
Piedmont	2.69	+.11	.53	-1.71	1.97	-1.01	1.71	-1.30	2.21	-1.44	5.84	+1.84	6.95	+3.47	4.42	+.83	.39	-2.02	1.42	-1.23	2.89	+1.00	2.16	-.25	33.18	-1.71
Romney	2.49	+.10	.77	-1.13	1.30	-1.56	2.74	-.23	2.04	-1.49	4.50	+.68	6.20	+2.72	4.65	+1.04	1.00	-1.68	2.13	-.42	2.15	+.37	2.51	+.26	32.48	-1.34
Spruce Knob	1.68	......	.96	......	1.23	......	3.04	......	2.91	......	6.81	......	4.54	......	7.19	......	1.56	......	2.43	......	2.56	......	2.16	......	37.07	......
Stony River Dam	1.84	-.97	1.45	-1.40	1.72	-1.63	1.60	-2.15	2.53	-2.07	6.09	+2.07	4.39	+.25	5.20	+.62	.82	-1.96	1.84	-1.36	1.78	-1.17	1.39	-1.85	30.65	-11.62
Wardensville	1.82	-.31	.18	-1.53	1.63	-.57	1.96	-.55	1.83	-1.13	3.32	+.32	6.13	+3.03	4.57	+.94	1.01	-1.58	.75	-2.41	1.60	-.03	2.56	+.82	27.36	-3.00
Northern Division																										
Aberdeen	3.09	-.31	.80	-2.30	1.92	-1.87	2.52	-1.28	2.33	-1.54	7.93	+3.57	3.56	-1.23	7.09	+2.61	1.88	-1.43	3.74	+.20	2.52	-.82	2.22	-.78	39.60	-5.18
Alma (near)	2.59	-.07	.57	-1.69	1.17	-2.84	1.16	-2.21	2.18	-1.49	6.70	+2.60	6.45	+2.36	3.63	-1.90	*2.59	-.38	*2.93	+.21	*2.32	-.71	*1.50	-1.48	33.79	-7.60
Alpena	4.10	-.47	3.27	-.69	2.77	-2.86	3.48	-.92	3.37	-2.10	7.37	+1.90	4.74	-2.14	8.04	+3.15	3.35	-.71	4.51	+1.77	2.44	-.87	2.71	-1.13	50.15	-5.07
Belington	3.04	......	1.20	......	2.07	......	2.23	......	2.18	......	6.38	......	6.70	......	7.81	......	1.74	......	2.85	......	2.44	......	2.37	......	41.01	......
Benson	3.41	-.20	.92	-2.79	1.65	-1.81	2.11	-1.10	2.57	-1.36	6.73	+2.42	5.80	+.65	4.73	+.28	2.50	-1.13	3.72	+.16	2.87	-.62	1.66	-1.83	38.67	-7.33
Bens Run	3.54	-.44	.65	-2.46	1.24	-2.80	1.26	-2.30	3.33	-.67	8.16	+3.94	4.91	+.38	4.67	+.43	2.88	+.29	3.71	+.69	1.86	-1.03	1.74	-1.82	37.95	-5.79
Big Skin Creek	3.20	......	.61	......	1.86	......	2.56	......	2.13	......	6.84	......	4.23	......	6.59	......	2.53	......	3.00	......	2.13	......	2.47	......	38.15	......
Brownsville	2.87	-.72	.59	-2.48	1.66	-1.81	1.12	-2.24	2.65	-1.58	8.18	+3.87	3.77	-1.03	6.95	+2.68	2.67	-1.08	3.19	+.23	1.45	-2.22	2.50	-.82	37.60	-7.66
Buckhannon	3.36	-1.04	1.50	-2.26	2.39	-2.12	2.78	-1.11	2.17	-2.26	10.07	+5.36	5.70	+.98	8.48	+4.39	1.60	-1.36	3.59	+.45	2.41	-.69	2.67	-1.51	46.72	-1.17
Cairo	2.54	-1.41	.52	-2.45	1.43	-2.39	1.38	-2.08	2.53	-.89	6.90	+2.39	4.97	+.55	2.76	-1.11	3.76	+.96	3.32	+.40	1.83	-1.05	1.52	-1.93	33.46	-9.01
Clarksburg	2.68	-.63	.68	-2.36	1.53	-1.49	2.73	-.64	2.51	-1.17	6.30	+2.03	4.83	+.75	4.92	+.44	3.10	-.50	2.76	-.37	2.81	-.38	1.87	-1.21	36.72	-5.53
Crawford	3.03	-.45	.81	-2.51	1.77	-2.56	3.11	-1.12	3.75	-.74	7.55	+2.78	6.24	+1.10	5.52	+.94	1.35	-2.39	3.16	-.33	1.89	-1.75	2.51	-1.08	40.69	-8.11
Creston	2.71	-1.22	.38	-2.81	2.18	-1.92	2.29	-1.37	1.80	-1.91	5.00	+.62	4.50	+.28	2.96	-.90	1.78	-.91	3.00	-.15	2.37	-.38	1.17	-2.30	30.14	-12.97
Dailey	2.42	......	.86	......	1.52	......	2.05	......	3.31	......	4.23	......	3.27	......	7.79	......	2.41	......	2.13	......	2.47	......	2.15	......	34.61	......
Dam 10, Mon. R.	2.49	-.70	.70	-2.17	1.54	-2.23	1.58	-1.89	2.48	-1.59	7.47	+3.13	6.85	+2.77	5.79	+1.73	1.20	-2.32	3.32	+.15	2.57	-.58	1.31	-2.11	37.30	-5.81
Dam 13, O. R.	2.87	-.26	.50	-1.93	.96	-2.47	.85	-2.47	1.78	-1.64	7.85	+4.02	4.02	-.34	4.23	+.86	2.54	-.44	2.75	+.06	1.88	-.50	1.61	-1.37	31.84	-6.48
Dam 15, Mon. R	2.53	-.69	.76	-2.23	1.94	-1.20	1.69	-1.60	2.63	-.97	6.49	+2.50	4.33	+.40	4.57	+.44	1.99	-1.20	3.17	-.07	2.87	-.42	1.80	-1.33	34.77	-6.37
Dam 19, O. R.	2.41	-1.00	.67	-1.90	1.16	-2.38	1.84	-1.34	2.21	-1.21	6.40	+2.48	5.84	+1.91	2.84	-.82	2.78	+.12	2.18	-.47	2.58	-.06	1.33	-1.80	32.24	-6.47
Dam 20, O. R.	2.63	-.99	.73	-2.03	1.30	-2.41	1.52	-1.72	1.86	-1.60	8.60	+4.61	4.63	+.70	2.26	-1.53	2.07	-.52	2.51	-.24	2.66	+.06	1.27	-1.87	32.04	-7.54
Elizabeth	2.30	-1.47	.44	-2.42	.90	-2.85	1.38	-1.79	1.77	-1.66	7.86	+3.65	5.07	+.67	2.94	-1.06	2.92	+.33	3.09	+.17	2.40	-.14	1.45	-1.68	32.52	-8.25
Elk	3.01	......	.92	......	1.95	......	1.87	......	2.92	......	8.46	......	4.34	......	6.32	......	2.59	......	4.13	......	2.43	......	2.57	......	41.51	......
Elkins	3.31	-.47	1.27	-1.81	2.10	-1.70	2.43	-1.19	2.58	-1.47	8.01	+2.95	5.17	-.21	8.41	+4.55	1.85	-1.30	2.83	-.08	1.80	-.98	2.57	-.89	42.33	-2.60
Fairmont	2.90	-1.03	1.54	-1.48	1.56	-2.41	1.70	-1.57	2.98	-.90	6.14	+1.73	5.40	+1.00	4.30	+.30	1.54	-1.41	4.00	+.89	2.15	-.61	1.81	-1.68	36.02	-7.17
Glenville	3.04	-1.39	1.11	-2.46	2.62	-1.67	2.21	-1.55	2.89	-1.23	8.29	+3.90	6.40	+1.53	4.06	-.17	2.71	-.51	3.47	+.26	2.97	-.08	1.84	-2.09	41.61	-5.46
Grafton	2.93	-.64	1.55	-1.36	1.77	-1.99	2.35	-.94	2.47	-1.21	7.40	+3.27	4.34	+.26	5.67	+1.96	1.78	-.83	4.35	+1.39	2.45	+.02	2.03	-1.05	39.09	-1.12
Grantsville	......	......	......	......	......	......	......	......	......	......	5.85	......	3.44	......	......	......	2.08	......	2.56	......	1.81	......	1.44	......	......	......
Hackers Creek	2.77	......	1.20	......	1.02	......	2.31	......	2.88	......	7.49	......	5.84	......	4.55	......	2.07	......	4.59	......	2.19	......	2.28	......	39.19	......
Hall	3.02	......	.80	......	1.78	......	2.20	......	2.39	......	7.78	......	4.08	......	8.70	......	1.73	......	3.37	......	2.58	......	2.05	......	40.48	......
Harrison County Airp't.	2.36	......	.40	......	.80	......	1.90	......	2.74	......	6.42	......	3.64	......	4.36	......	2.46	......	3.46	......	3.27	......	2.06	......	33.87	......
Hastings	3.27	......	1.61	......	1.95	......	1.45	......	3.26	......	10.39	......	6.08	......	4.20	......	2.35	......	2.70	......	2.36	......	1.86	......	41.48	......
Horner	3.08	-.95	.71	-2.94	1.73	-2.03	2.39	-.97	2.35	-2.32	7.17	+2.87	3.83	-.97	7.41	+2.53	*1.81	-1.72	3.95	+.26	2.34	-1.45	2.57	-.96	39.34	-8.65
Ireland	3.23	......	1.14	......	1.90	......	3.41	......	2.83	......	6.67	......	5.10	......	5.09	......	2.16	......	3.08	......	1.83	......	1.48	......	37.92	......
Jane Lew	2.84	-.42	.55	-2.22	1.69	-1.57	2.49	-1.16	2.93	-1.67	8.32	+4.25	4.65	-.29	5.64	+.79	2.78	-.46	4.02	+.70	2.86	-.46	2.42	-.66	41.19	-3.17
Kumbrabow St. Forest	3.99	......	2.89	......	2.34	......	2.45	......	*3.48	......	6.50	......	*4.48	......	6.79	......	2.31	......	4.71	......	*2.30	......	*2.73	......	44.97	......
Lost Creek (near)	2.96	-.96	1.37	-1.71	1.70	-2.22	2.89	-.53	2.43	-1.72	7.11	+2.78	4.60	+.27	5.28	+1.05	2.32	-.67	4.43	+1.44	2.11	-.70	1.95	-1.58	39.15	-4.55
Mannington	3.11	-1.01	1.02	-1.88	2.06	-1.97	3.26	-.44	2.62	-1.39	9.01	+4.73	5.26	+.47	5.28	+1.20	3.38	-.01	3.81	+.64	2.37	-.67	1.90	-1.67	43.08	-2.00
Midvale	3.43	......	1.36	......	2.05	......	2.82	......	2.19	......	7.15	......	5.74	......	7.97	......	1.76	......	3.43	......	3.11	......	2.20	......	43.21	......
Morgantown	3.45	-.01	.79	-1.77	......	......	2.05	-1.10	3.25	-.45	8.73	+4.49	6.34	+1.96	5.78	+1.77	2.50	-2.37	......	......	......	......	......	......	......	......
Mt. Clare	3.09	......	.72	......	1.77	......	2.91	......	2.51	......	7.63	......	5.01	......	4.74	......	1.89	......	4.57	......	2.10	......	2.21	......	39.15	......
New Cumberland	3.01	+.17	.45	-1.99	1.84	-1.40	.69	-2.59	2.66	-.74	5.45	+.90	5.32	+1.24	5.77	+2.38	2.00	-.91	4.84	+2.12	1.18	-1.14	1.64	-1.12	34.85	-3.08
New Martinsville	3.40	-.58	.68	-2.16	1.31	-2.48	1.02	-2.48	2.36	-1.31	9.73	+5.62	6.03	+1.54	5.09	+1.20	1.74	-1.29	4.25	+1.13	1.50	-1.34	1.49	-2.07	38.60	-4.22
Parkersburg	2.72	-.86	1.25	-1.88	1.26	-2.23	1.70	-1.49	3.37	-.01	6.10	+2.10	4.84	+.55	2.16	-1.35	2.36	-.40	3.06	+.58	1.58	-.99	1.17	-1.86	31.57	-7.84
Parsons	2.60	-2.01	2.10	-1.42	2.31	-1.90	1.96	-1.80	2.74	-1.39	6.12	+1.13	8.28	+3.19	7.67	+3.62	2.74	-.41	4.29	+1.02	2.17	-.76	2.65	-1.40	45.63	-2.13
Philippi	2.63	-1.51	.80	-2.38	1.83	-2.31	2.25	-1.47	3.50	-.77	8.03	+3.34	4.70	-.03	5.58	+1.34	2.23	-1.07	3.36	+.22	2.66	-.27	2.18	-1.59	39.75	-6.50
Pickens	6.27	-.05	3.37	-1.72	3.12	-2.79	4.12	-1.07	4.31	-.94	5.85	+.05	5.20	-.84	7.33	+1.86	2.76	-1.34	6.20	+2.16	2.63	-1.59	3.51	-1.87	54.67	-8.14
Roanoke	3.15	-.45	.59	-2.79	1.89	-1.73	2.94	-.64	2.46	-1.90	7.20	+2.89	4.51	-.38	6.18	+1.84	2.13	-1.27	3.65	+.23	2.20	-1.17	2.06	-1.31	38.96	-6.68
Rockford	2.82	......	.69	......	2.12	......	2.77	......	3.27	......	8.27	......	4.99	......	5.33	......	2.38	......	4.45	......	2.58	......	2.32	......	41.99	......
Rowlesburg	3.78	-1.13	1.11	-2.54	2.16	-2.69	2.18	-2.01	3.54	-1.09	6.47	+1.10	6.20	+1.00	7.69	+3.16	2.68	-.80	4.34	-.01	3.14	-.41	2.14	-2.24	45.43	-7.66
St. Marys	3.41	-.33	.81	-2.12	1.65	-2.27	1.37	-2.05	2.39	-1.12	10.23	+6.06	7.53	+3.37	3.67	-.42	2.95	+.25	3.37	+.51	2.44	-.36	2.23	-1.11	42.05	+.41
Salem	2.83	......	.67	......	1.50	......	1.95	......	3.22	......	7.37	......	4.80	......	4.92	......	4.22	......	4.58	......	3.08	......	1.83	......	40.97	......
Shinnston	3.37	......	.78	......	.71	......	.37	......	3.45	......	7.74	......	5.62	......	4.96	......	2.88	......	4.56	......	2.10	......	2.43	......	38.97	......
Terra Alta	3.51	-1.37	1.93	-1.66	1.49	-2.95	1.77	-2.33	3.29	-1.69	8.66	+2.48	7.76	+2.52	6.04	+1.03	2.02	-1.69	5.77	+1.88	2.24	-.96	2.28	-2.46	46.76	-7.20
Thomas	3.29	-.69	1.70	-1.86	2.21	-2.90	1.96	-2.22	3.46	-1.79	7.73	+2.62	6.50	+.01	8.19	+3.10	2.11	-1.89	4.07	-.17	3.78	+.79	3.14	-.71	48.14	-5.71
Valley Chapel	2.89	-.65	.65	-2.42	2.12	-1.57	2.12	-1.29	2.62	-1.27	6.41	+2.66	4.16	-.77	6.08	+1.92	2.62	-.70	4.69	+1.28	2.51	-.76	1.64	-1.58	38.51	-5.15
Valley Head	2.40	......	1.22	......	2.11	......	2.02	......	2.83	......	4.21	......	4.97	......	6.49	......	2.96	......	3.44	......	1.80	......	2.53	......	36.98	......
Vandalia	2.90	-.17	.59	-2.43	1.75	-1.45	2.67	-1.03	2.28	-1.30	6.74	+2.93	5.01	-.15	7.82	+3.62	1.68	-1.59	3.42	+.45	1.97	-1.41	2.08	-.32	38.91	-2.85
Wellsburg	1.87	-1.18	.67	-1.52	1.51	-1.68	.69	-2.47	4.45	+1.25	7.20	+3.06	3.57	-.61	4.36	+.80	2.30	-.69	3.82	+1.10	1.40	-1.17	2.24	-.67	34.08	-3.78
West Milford	3.13	+.06	1.08	-2.25	1.67	-1.87	2.51	-1.31	2.94	-.79	6.89	+2.62	4.63	-.02	4.92	+.30	1.88	-1.39	4.46	+.24	2.58	-1.03	1.86	-1.22	38.55	-6.66
Weston	3.30	-.81	.96	-2.64	2.51	-1.77	2.50	-1.01	2.39	-1.45	8.34	+4.00	4.35	-.07	7.10	+3.40	2.76	+.13	3.43	+.62	3.25	+.31	2.41	-1.22	43.30	-.51
Wheeling (Dam 12)	2.58	-.46	.52	-1.77	1.15	-2.13	.75	-2.48	4.30	+1.20	6.43	+2.54	3.25	-1.05	4.42	+.87	1.92	-1.00	2.91	+.18	2.09	-.34	1.86	-1.12	32.18	-5.56
Southern Division																										
Arbovale	2.76	-.05	.85	-2.02	1.21	-2.60	2.24	-.98	1.70	-1.71	3.48	-.27	4.59	-.12	2.98	-1.33	1.51	-1.02	2.01	-.63	2.67	-.41	3.67	+.51	29.67	-10.63
Beckley	3.11	-.56	1.63	-1.32	2.83	-.94	2.90	-.58	1.46	-2.17	5.07	+.66	5.31	+.93	3.06	-.78	2.49	-.05	2.73	-.25	1.49	-1.10	2.41	-.90	34.49	-7.06
Bluefield	2.07	-.94	1.74	-1.19	2.80	-.32	2.12	-.99	1.28	-1.84	4.72	+.49	4.99	+.92	1.99	-1.62	1.88	-.44	1.76	-1.01	1.22	-.83	2.67	-.21	29.24	-7.98
Camden-on-Gauley	3.12	-.34	.90	-2.09	2.90	-1.54	3.28	-.9	2.68	-2.61	5.98	+.91	4.30	-.61	5.26	-.21	2.37	-.99	3.41	+.39	2.30	-1.34	2.34	-1.80	38.84	-10.72
Charleston	2.20	-1.83	.88	-2.43	2.81	-1.69	1.33	-2.54	2.52	-1.26	5.33	+.94	6.73	+1.95	4.23	-.24	4.18	+1.20	2.32	-.72	3.04	-.03	2.48	-1.16	38.05	-7.81
Clay	2.43	-1.25	.73	-2.53	2.78	-1.37	2.48	-.96	1.46	-2.33	5.24	+.73	5.54	+.56	3.58	-.91	4.36	+1.14	2.69	-.29	2.01	-.89	2.26	-1.24	35.56	-9.34
Flat Top	2.58	......	1.23	......	2.69	......	2.60	......	.66	......	3.08	......	5.27	......	3.43	......	.98	......	2.37	......	1.66	......	2.65	......	29.20	......
Gary	2.39	-1.06	1.62	-1.52	3.27	-.89	2.74	-.75	1.07	-2.90	5.19	+.12	7.08	+2.15	3.82	-.29	4.13	+1.14	2.50	-.40	1.78	-.92	2.17	-1.20	37.76	-6.52
Greenbottom	2.53	......	.43	......	1.67	......	1.94	......	.57	......	3.25	......	6.37	......	1.97	......	2.06	......	3.39	......	2.55	......	1.35	......	28.08	......
Hinton	2.52	-.74	1.22	-1.67	2.32	-1.58	3.42	+.22	.77	-2.78	3.16	-1.14	4.03	-.04	2.79	-1.37	3.36	+.67	1.27	-1.56	2.07	-.34	3.24	+.06	30.17	-10.27
Hogsett	2.76	-1.08	.39	-2.54	1.39	-2.49	1.70	-1.57	2.15	-1.53	5.89	+1.86	4.71	+.83	2.63	-.53	2.67	+.49	2.75	+.12	3.05	+.37	1.94	-1.32	32.03	-7.39
Huntington	2.50	-1.29	.47	-2.61	1.64	-2.58	1.85	-1.66	1.18	-2.79	3.07	-1.16	9.18	+4.88	2.55	-1.15	1.86	-.59	3.34	+.82	2.58	+.06	2.44	-.93	32.66	-9.00
Institute	2.14	......	.80	......	2.46	......	1.75	......	3.88	......	3.70	......	6.97	......	3.10	......	2.70	......	3.04	......	1.52	......	2.11	......	34.17	......
Kayford	2.85	-1.37	1.18	-2.26	3.06	-1.58	2.17	-1.89	2.57	-1.83	7.88	+2.69	6.37	+1.20	4.38	-.45	3.95	+.57	2.74	-.58	1.59	-1.56	*2.70	-1.21	41.44	-8.27
Lewisburg	2.76	-.59	1.01	-1.78	2.21	-1.43	2.34	-.98	1.23	-2.13	3.04	-.90	2.81	-1.08	3.56	-.39	1.69	-1.00	1.67	-1.33	2.05	-.43	3.19	+.08	27.56	-11.96
Logan	1.81	-2.61	.81	-2.69	2.72	-2.00	2.55	-1.60	.99	-3.12	5.72	+.83	5.44	+.51	5.00	+.51	.99	-2.16	2.67	-.38	1.73	-1.50	3.31	-.79	33.74	-15.00

* Interpolated

Continued on next page.

Monthly and Annual Precipitation for 1941, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
London Locks	2.31	......	0.83	......	2.93	......	1.99	......	2.02	......	5.22	......	4.96	......	3.95	......	3.97	......	2.53	......	2.10	......	1.91	......	34.72	......
Madison	1.85	−2.25	.69	−2.54	3.06	−1.12	2.24	−1.60	1.76	−2.57	4.13	−.03	6.32	+0.99	3.72	−0.10	1.50	−1.96	2.55	−0.08	1.79	−.86	2.90	0.00	32.51	−12.12
Marlinton	2.85	−1.35	1.00	−2.30	1.49	−3.05	1.98	−1.64	1.47	−2.47	3.54	−1.27	5.42	+.63	2.64	−2.04	2.73	−.28	2.17	−.82	2.88	−.06	3.11	−.79	31.28	−15.44
Point Pleasant	2.80	−1.15	.37	−2.78	1.27	−2.82	1.79	−1.52	2.56	−1.43	5.31	+1.23	8.20	+4.06	2.39	−.82	2.39	−.02	2.86	+.05	3.88	+1.05	1.48	−2.02	35.30	−6.17
Princeton	2.10	......	1.56	......	2.43	......	2.49	....	1.10	......	4.01	......	5.68	......	3.60	......	2.52	......	1.12	......	1.79	......	2.76	......	31.16	......
Rainelle	3.30	−.91	2.19	−2.02	2.15	−3.40	3.33	−.86	1.55	−2.92	5.44	+.34	6.03	+.24	3.11	−2.67	1.33	−1.79	2.83	+.22	2.01	−.98	3.09	−.44	36.36	−15.19
Ravenswood (Dam 22)	2.53	−1.07	.70	−2.27	1.53	−2.36	1.49	−1.67	1.90	−1.81	7.38	+3.24	7.08	+3.06	2.50	−.85	2.95	+.65	2.92	+.13	2.73	+.01	1.72	−1.60	35.43	−4.54
Richwood	3.41	−.64	1.56	−2.56	3.00	−2.50	3.09	−.75	2.49	−2.21	5.61	+.52	7.92	+1.08	4.06	−1.10	5.37	+2.26	3.50	+.65	2.77	−.12	2.79	−.70	45.57	−6.07
Ryan	2.49	−1.56	.74	−2.54	1.66	−2.70	1.95	−1.83	1.40	−2.24	4.74	+.09	7.38	+2.78	4.39	+.31	2.01	−.99	3.33	+.17	1.49	−1.38	1.84	−1.41	33.42	−11.30
Seneca State Forest	3.04	......	.69	......	1.27	......	2.34	....	1.68	......	3.89	......	5.38	......	3.43	......	1.49	......	.95	......	2.12	......	3.75	......	30.03	......
Spencer	2.85	−1.16	.68	−2.47	1.55	−2.52	1.60	−1.79	2.83	−.82	5.21	+.70	4.02	−.22	2.78	−1.19	3.34	+.46	3.12	−.04	2.69	+.02	1.87	−1.54	32.54	−10.57
Summersville	....	......	....	......	...	......	....	......	....	......	....	......	....	......	4.20	......	5.97	......	3.87	......	2.05	......	2.05	......	....	......
Sutton	3.21	−1.33	1.49	−1.95	1.95	−2.39	2.75	−1.10	2.41	−1.95	6.70	+1.74	7.21	+1.88	5.27	+1.02	1.93	−1.42	3.10	+.11	2.49	−.71	2.10	−1.72	40.61	−7.82
Thornwood	2.30	......	*1.49	......	2.20	......	2.12	......	1.79	.....	5.48	......	5.46	......	7.07	......	1.06	......	2.61	......	2.43	......	1.17	......	35.18	......
Union	2.28	−.87	1.30	−1.55	3.10	−.45	2.21	−.68	.67	−2.53	4.11	+.12	5.12	+1.33	3.46	−.47	1.99	−.56	1.02	−1.71	2.08	−.26	2.69	−.23	30.03	−7.86
Wayne	1.44	−2.32	.60	−2.32	2.13	−2.47	1.64	−2.02	1.94	−1.64	3.43	−.59	7.48	+2.89	1.97	−2.28	5.52	+2.43	2.42	−.46	2.18	−.88	2.07	−.96	32.82	−10.62
White Sulphur Springs	2.40	−.93	1.24	−1.39	2.20	−1.37	2.85	−.43	1.35	−2.12	4.25	+.27	4.65	+.73	2.60	−.99	2.85	+.01	2.05	−.76	2.05	−.23	2.60	−.50	31.09	−7.71
Williamson	2.12	−1.83	.93	−2.42	3.12	−1.42	2.68	−1.00	1.13	−2.95	2.84	−1.93	7.18	+2.75	4.37	+.38	3.06	+.07	2.78	−.01	2.47	−.35	2.74	−1.04	35.42	−9.75
Winfield Locks	2.40	......	.65	......	1.59	......	1.73	......	1.56	......	4.80	......	5.82	......	5.82	......	2.68	......	2.84	.....	2.65	......	2.11	......	34.65	......

Monthly and Annual Mean Temperatures for the Year 1941, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	24.6	−4.2	20.2	−9.4	25.4	−12.3	48.6	+4.9	53.2	−3.2	62.6	−0.9	66.2	−1.4	62.1	−3.7	59.6	−1.3	51.5	+2.3	38.2	−0.9	31.6	+3.5	45.3	−2.2
Brandywine	31.0	+.1	28.4	−6.3	34.0	−7.4	54.4	+4.5	59.8	+1.2	67.8	+.8	72.4	+1.1	69.2	−.7	64.7	.0	56.8	+3.5	42.5	+.5	36.8	+2.6	51.5	.0
Inwood	31.2	......	31.5	......	37.2	......	57.6	......	65.4	......	71.0	......	77.2	...	73.5	......	68.9	......	61.2	......	45.1	......	38.7	......	54.9	......
Kearneysville	30.9	−3.0	31.2	−2.7	37.6	−4.4	57.3	+6.0	64.2	+.8	70.3	−1.6	75.8	−.3	73.2	−1.1	69.0	+1.5	61.4	+6.5	47.2	+2.2	38.0	+2.7	54.7	+.6
Martinsburg	30.2	−.8	30.5	−.9	37.2	−4.4	59.0	+7.4	66.2	+3.4	71.6	+.6	77.0	+1.3	73.6	+.6	69.9	+3.3	60.6	+5.9	46.4	+3.2	38.8	+4.8	55.1	+2.0
McNeill	30.6	−.4	30.2	−2.1	33.9	−7.1	53.4	+1.6	60.2	.0	68.4	+.6	73.2	+1.6	69.6	−1.7	65.0	−.8	57.8	+3.7	44.0	+1.7	37.7	+5.1	52.0	+.2
Petersburg	31.8	......	31.4	......	36.3	......	56.2	......	63.6	......	70.3	......	75.0	......	72.2	......	67.6	......	61.6	......	46.6	......	38.0	......	54.2	......
Piedmont	30.1	−.8	29.0	−4.8	34.3	−6.9	55.6	+5.2	62.0	+2.0	68.6	+.5	73.5	+1.2	69.8	−.7	67.8	+2.1	58.6	+5.2	44.8	+2.6	36.3	+3.3	52.5	+.7
Romney	31.4	−.1	30.6	−3.6	37.8	−4.6	[a]55.2	+3.5	62.8	−.1	69.4	−.5	74.1	−.8	71.6	−1.0	68.0	+1.2	59.8	+4.9	46.0	+2.9	39.4	+4.9	53.8	+.5
Wardensville	29.6	−1.2	29.6	−4.2	34.0	−7.9	53.9	+4.3	60.4	+1.0	68.4	+2.9	73.0	+2.4	70.0	+.5	65.8	+1.6	58.6	+6.0	44.4	+.5	37.0	+3.3	52.1	+.8
Northern Division																										
Alpena	28.1	−2.8	23.4	−6.9	29.0	−6.7	47.8	+2.3	51.7	−4.4	60.5	−3.4	68.4	+1.1	65.2	−.3	62.4	+1.4	54.8	+5.4	41.2	+1.9	36.2	+3.9	47.4	−.7
Benson	34.2	+.1	29.5	−8.5	33.7	−6.6	56.0	+3.4	62.6	+1.8	70.4	+2.2	75.7	+3.2	71.2	+.5	68.0	+1.1	60.6	+7.7	44.8	+1.7	40.8	+4.6	54.0	+1.0
Bens Run	32.0	−.9	*29.4	−3.4	34.4	−9.1	55.0	+2.2	60.1	−2.9	*72.8	+2.0	*76.2	+1.1	74.3	+.7	70.8	+2.4	61.2	+4.6	44.6	+.5	40.0	+5.2	54.2	+.2
Brownsville	35.8	+1.2	31.8	−5.8	35.8	−6.1	57.7	+5.4	62.0	+.4	70.6	+1.1	*75.6	+1.8	72.1	−.1	68.3	+.7	60.0	+5.4	43.2	−1.4	41.2	+4.6	54.5	+.6
Buckhannon	33.8	+1.3	28.3	−4.8	33.7	−8.2	55.2	+4.1	60.3	−.8	69.4	+1.0	73.2	+1.4	69.2	−.7	65.3	+.8	59.2	+5.4	43.4	+1.2	38.9	+4.7	52.5	+.5
Cairo	34.0	−.4	31.3	−2.9	35.8	−8.5	57.2	+3.2	63.2	+.1	71.6	+1.3	75.6	+1.3	73.0	+.5	69.6	+1.5	61.6	+5.8	45.4	+1.7	41.4	+6.7	55.0	+.9
Clarksburg	31.8	−.8	27.6	−7.0	31.2	−8.5	55.5	+4.3	61.4	+1.1	70.6	+1.2	75.1	+1.3	70.1	−1.9	67.0	−.5	57.4	+4.0	42.2	−.6	37.3	+2.1	52.3	−.4
Creston	35.0	+.9	31.0	−3.7	36.8	−7.2	57.6	+4.2	63.8	+.7	71.4	+.7	76.1	+1.4	72.6	−.5	69.5	+1.7	61.6	+5.9	44.9	+.7	41.7	+6.4	55.2	+1.0
Elkins	31.2	+.8	26.0	−5.6	32.0	−8.0	54.0	+5.2	58.8	−.4	67.7	+.8	72.1	+1.8	68.3	−.8	65.2	+2.2	57.9	+5.6	42.2	+1.9	38.1	+5.4	51.1	+.7
Fairmont	31.6	−.6	28.6	−4.5	32.6	−8.9	58.1	+6.3	63.0	+.9	71.8	+1.5	75.0	+1.7	[b]71.1	−1.6	68.8	+1.4	59.3	+4.2	45.2	+2.3	38.4	+4.4	53.7	+.6
Glenville	36.1	+2.3	32.7	−1.9	38.0	−6.7	59.5	+5.6	65.0	+1.4	73.7	+2.6	78.3	+3.0	74.8	+.9	71.8	+3.3	63.0	+6.8	47.6	+3.3	41.6	+5.7	56.8	+2.2
Grafton	34.4	+1.8	30.4	−2.2	34.6	−6.9	56.8	+5.3	62.6	+1.1	70.6	+1.5	74.8	+2.2	70.9	−.5	68.0	+.9	59.8	+4.6	44.0	+.9	39.6	+5.4	53.9	+1.2
Harrison County Airport	32.6	......	29.0	......	32.2	......	57.2	......	62.2	......	70.2	......	74.2	......	70.7	.....	67.6	......	59.6	.....	45.0	......	38.2	......	53.2	......
Lost Creek (near)	32.8	−.1	28.8	−3.9	34.0	−8.4	55.9	+5.3	61.2	+.8	70.2	+2.6	74.6	+2.4	71.0	+.3	67.3	+1.9	[a]55.0	+.8	41.2	−1.4	[b]37.0	+2.6	52.4	+.2
Mannington	32.2	+.3	28.6	−4.2	32.6	−9.7	54.2	+3.1	60.0	−.4	68.6	+.8	72.8	+1.0	68.2	−2.0	64.6	−.3	57.7	+4.1	42.6	+.6	38.7	+5.1	51.7	−.2
Morgantown	31.4	−.9	28.3	−4.5	32.8	−9.3	57.4	+5.7	63.5	+1.4	70.6	+1.3	74.1	+.6	[c]70.8	−1.2	......	......	......	......	......	......	......	......	......	......
New Cumberland	31.4	+2.8	28.8	−.3	34.0	−5.4	56.2	+7.0	62.7	+2.5	72.4	+4.2	75.1	+2.1	73.2	+2.4	69.1	+3.6	59.7	+5.7	46.2	+4.6	39.4	+7.7	54.0	+3.1
New Martinsville	33.2	+.1	30.4	−3.1	35.7	−7.6	58.6	+5.5	64.6	+1.6	73.6	+2.5	76.4	+1.2	72.0	−1.7	68.6	+.1	61.5	+4.7	45.4	+.6	40.6	+5.3	55.0	+.7
Parkersburg	33.4	+.9	30.4	−3.8	35.6	−7.2	59.2	+5.8	64.2	+.4	72.6	+1.2	76.4	+1.0	73.0	−.9	69.9	+2.6	61.4	+5.3	45.6	+1.8	40.1	+4.9	55.2	+1.0
Parsons	33.2	−1.3	28.7	−3.0	[a]32.8	−7.7	54.4	+5.2	59.9	+1.1	68.0	+1.1	[a]72.4	+1.6	68.8	−.6	65.8	+2.1	58.7	+7.2	43.5	+2.3	38.8	+6.5	52.1	+1.2
Pickens	29.1	−1.8	22.3	−9.6	28.8	−10.4	51.2	+3.1	57.1	−1.0	64.8	−.1	68.8	+.2	64.2	−2.3	63.2	+1.4	55.0	+3.3	42.6	+2.2	37.6	+5.4	48.7	−.8
Terra Alta	27.6	−.3	22.8	−6.0	[b]29.6	−8.3	52.4	+5.6	58.1	+.7	64.8	+.1	68.2	.0	64.8	−2.0	61.8	.0	54.8	+5.8	41.0	+.4	35.3	+4.7	48.4	.0
Valley Chapel	[c]36.0	+.9	31.0	−7.5	35.2	−7.3	58.1	+5.0	[a]63.6	+2.0	71.6	+2.0	76.2	+2.2	72.2	−.3	69.7	+1.7	[c]63.4	+8.0	45.4	+.4	41.6	+4.1	55.3	+.9
Wellsburg (near)	30.2	.0	27.8	−2.2	32.6	−7.2	51.2	+4.6	60.0	−.2	70.2	+2.2	74.0	+1.8	69.2	−1.1	66.6	+1.7	58.1	+4.6	44.0	+2.2	39.1	+6.7	52.2	+1.1
Weston	35.8	+1.7	31.6	−2.3	36.3	−7.5	58.7	+5.9	66.0	+3.3	72.6	+2.2	76.2	+1.8	72.6	−.1	69.6	+2.3	63.2	+7.7	47.0	+3.0	42.8	+7.0	56.0	+2.0
Wheeling (Dam 12)	30.6	+.2	28.8	−3.3	32.2	−8.3	56.4	+4.8	63.0	+1.2	71.4	+.8	76.1	+1.3	71.4	−1.4	68.8	+1.4	58.8	+3.9	45.3	+3.1	39.3	+6.7	53.5	+.9
Southern Division																										
Beckley	31.4	−2.0	26.2	−8.5	32.6	−10.0	54.8	+4.6	60.4	+.5	67.8	+.4	72.0	+.8	70.2	+.9	67.0	+2.9	59.0	+4.6	44.3	+1.0	39.8	+5.3	52.1	.0
Bluefield	[e]35.2	+.3	[d]30.4	−4.4	[c]36.5	−7.9	[d]56.4	+2.8	[c]63.8	+2.2	[e]69.2	−.9	[c]73.4	+1.8	[d]72.2	+1.7	[e]68.6	+2.4	[c]60.2	+4.5	[f]45.8	+.9	[e]41.9	+5.0	54.5	+.7
Charleston	35.4	−2.5	32.8	−6.4	37.9	−9.5	60.0	+3.7	67.6	+2.2	74.4	−2.5	77.4	+.5	75.3	.0	.....	......	.....	......	.....	......	.....	......	....	......
Flat Top	28.2	......	23.2	.....	30.7	......	51.8	......	58.5	......	64.8	......	69.3	......	67.5	......	63.8	......	56.4	......	41.0	......	36.6	.....	49.3	......
Gary	34.5	−.6	29.8	−8.1	36.0	−6.5	56.2	+2.8	[a]62.4	+1.3	71.0	+1.7	75.4	+2.3	[a]73.8	+1.8	[a]68.5	.0	60.4	+4.8	44.8	−.2	40.4	+2.6	54.4	+.1
Greenbottom	34.4	......	32.6	......	38.0	......	59.6	......	66.4	.....	74.2	......	78.0	......	75.0	......	71.6	......	63.0	......	45.8	......	41.5	......	56.7	......
Hinton	34.6	+.1	31.7	−3.8	38.3	−5.8	59.4	+6.2	65.2	+1.8	72.9	+2.4	76.8	+2.4	74.4	+1.1	70.1	+2.1	61.0	+4.0	45.4	+1.3	41.6	+5.8	56.0	+1.5
Huntington	36.8	+2.8	34.6	−.1	40.0	−5.0	60.9	+6.3	68.2	+3.5	75.8	+2.9	79.2	+2.6	77.0	+2.2	73.8	+4.8	65.4	+9.0	47.9	+3.6	43.7	+8.1	58.6	+3.4
Institute	34.8	......	31.4	......	36.4	......	57.6	......	63.9	.....	72.8	.....	76.6	......	73.9	......	70.0	......	61.5	......	44.9	......	41.4	......	55.4	......
Lewisburg	31.6	−.8	28.0	−5.3	34.8	−7.3	55.6	+5.1	61.2	+1.1	68.0	+.8	73.0	+2.0	71.2	+1.8	67.4	+3.1	59.3	+6.1	43.9	+2.0	39.4	+6.2	52.8	+1.2
Logan	35.8	−3.2	32.6	−6.9	38.4	−13.9	59.3	+2.0	67.2	+.2	75.2	+1.6	79.2	+3.2	76.8	+1.8	[d]73.2	+2.8	64.0	+3.9	46.2	−1.1	42.5	+3.4	57.5	−.5
London Locks	35.6	......	32.0	......	36.5	......	58.0	......	64.3	......	73.6	......	78.4	......	74.3	......	72.0	......	62.8	......	46.4	......	42.6	.....	55.9	......
Madison	32.6	−4.0	29.2	−7.4	[b]38.1	−4.6	[a]57.2	+2.9	64.0	+.2	73.4	+1.1	[a]76.2	+1.4	[a]71.4	−3.0	[e]68.5	+.8	*59.5	+3.9	44.0	+.5	[a]40.0	+5.0	54.5	−.3
Marlinton	[a]33.8	+5.8	*29.4	−2.4	36.6	−1.3	55.6	+8.8	60.4	+3.4	68.6	+4.3	72.9	+5.3	[b]70.8	+4.6	[c]67.0	+5.8	[c]58.0	+8.4	42.2	+4.6	37.2	+7.8	52.7	+4.6
Point Pleasant	34.5	+.4	31.6	−1.8	37.0	−8.2	57.6	+2.7	64.9	+.2	72.6	+.2	76.3	−.1	73.5	−1.2	68.4	+2.5	63.2	+6.0	46.1	+.8	41.9	+6.1	55.6	+.6
Rainelle	31.5	−.9	27.0	−6.5	34.0	−5.3	53.4	+5.2	57.8	−.3	[a]65.7	+.2	70.6	+1.1	68.0	−.3	64.1	+1.2	56.2	+5.4	41.0	+.7	37.0	+3.8	50.5	+.3
Ravenswood (Dam 22)	34.6	−.8	32.6	−6.2	37.8	−5.5	58.4	+4.6	64.6	+2.7	73.1	+2.6	77.2	+2.1	74.2	+1.3	71.0	+1.6	62.6	+6.3	46.4	+.7	42.4	+4.5	56.2	+1.1
Richwood	29.6	−4.8	24.6	−9.9	31.4	−9.4	53.6	+3.7	58.0	−2.2	67.8	−.6	72.8	+1.0	69.7	−.7	67.2	+2.5	58.4	+5.7	*42.8	+.4	[a]38.2	+3.1	51.2	−.9
Ryan	29.8	−3.2	28.4	−5.9	34.4	−8.4	54.8	+2.8	60.6	−.6	70.2	+1.4	73.7	+.6	70.1	−1.6	68.2	+3.6	60.2	+7.5	44.0	+.6	39.7	+5.2	52.8	+.1
Seneca State Forest	31.1	......	28.0	......	33.2	......	51.4	......	57.0	......	65.5	......	70.5	......	66.2	......	62.2	......	55.5	......	40.5	......	35.6	......	49.7	......
Spencer	33.8	+.1	30.6	−4.6	35.8	−7.1	57.3	+4.5	63.8	+1.8	72.1	+2.4	75.5	+1.9	72.0	−.3	69.4	+2.9	61.0	+6.1	44.7	+.6	40.4	+3.9	54.7	+1.0
Sutton	35.2	+.9	31.2	−4.9	36.8	−7.4	58.6	+5.8	64.0	+.7	72.6	+1.3	77.4	+2.6	74.1	+1.0	70.7	+2.0	62.6	+5.9	45.6	+1.6	41.8	+6.6	55.9	+1.4
Union	30.8	−2.5	27.4	−7.8	33.7	−9.7	54.4	+2.6	60.4	−.5	68.2	+.4	72.8	+1.2	70.2	.0	66.1	.0	57.2	+2.8	41.4	−1.0	37.4	+3.4	51.7	−.9
White Sulphur Springs	30.2	−1.9	28.0	−7.5	35.4	−7.2	56.2	+4.8	63.6	+3.1	70.0	+2.0	74.1	+2.5	69.6	−.7	65.2	+.3	57.2	+4.8	41.0	−1.1	36.4	+3.3	52.2	+.2
Williamson	36.2	+.2	32.6	−4.8	38.7	−8.0	60.6	+5.1	67.6	+2.6	75.5	+2.9	79.4	+3.3	77.0	+2.2	72.5	+2.8	63.2	+5.4	46.4	+.8	42.9	+5.3	57.7	+1.5
Winfield Locks	34.2	.....	31.8	......	35.6	......	58.2	......	64.4	.....	74.1	......	77.0	......	74.6	......	71.2	......	62.4	......	46.6	......	41.5	....	56.0	......

Reference letters indicate number of days missing, for example, [b] 2 days, etc.

* Interpolated.

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CLIMATOLOGICAL DATA

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VOL. L PARKERSBURG, W. VA., JANUARY 1942 No. 1

GENERAL SUMMARY

The month averaged 1.9° below normal in temperature. The period 3d to 12th was extremely cold. Minimum temperatures of zero or lower were recorded on one date or another during the period 6th to 12th except at Williamson where the lowest temperature was 1°. The daily temperatures were generally above normal during the latter half of the month. The periods 17–20th, 24–25th, and 30th–31st were very mild. The area of greatest temperature deficiency was in the northern and the south-central parts of the state.

The average precipitation of 2.02 inches was the sixth smallest amount of record for the month of January. All stations were below normal in precipitation. Deficiencies of two inches or over occurred along the Ohio River from Marshall County to Kentucky, and also in Logan and Mingo Counties. The snowfall of the 3d-4th covered practically the entire state with a blanket of from two to nine inches. In addition to the snow, sleet occurred in the Clarksburg and Weston areas and somewhat delayed highway traffic. Pickens had the greatest monthly snowfall amount with 11.5 inches; Philippi had the greatest 24 hour snowfall with 9.0 inches; Pickens and Spruce Knob had the most snow-lying days, each having 20.

Navigation on the Ohio River was suspended on January 10th on account of ice and was not resumed until January 18th when the river became ice-free.

Winter grains and grasses were generally in good condition at the close of the month, the snow having protected them during the hard freezing weather of the first decade.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 30.7°, or 1.9° below the normal. The mean for the northeastern panhandle division was 30.6°; for the northern division, 30.3°; and for the southern division, 31.1°. The highest monthly mean was 34.7° at Huntington and the lowest, 24.2° at Bayard. The highest temperature was 67° at Camp P–58 (Logan County), Gary, Logan, and McNeill on the 18th and Hinton on the 24th, and the lowest, −23° at Benson on the 8th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 2.02 inches, or 1.58 inches below the normal. In the northeastern panhandle division the average was 1.64 inches; in the northern division, 2.09 inches; and in the southern division, 2.10 inches. The greatest monthly precipitation was 3.96 inches at Pickens, and the least, 1.16 inches at Franklin (Hydrologic Station). The greatest amount in any 24 consecutive hours was 1.67 inches at Thornwood on the 1st. The average monthly snowfall was 5.6 inches, or 2.3 inches below the normal. The greatest monthly snowfall was 11.5 inches at Pickens. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	5	1	1	6	4	4	..	4	..	..	..	..	1	1	..	..	..	..	9	2	2	2	7	3	4	4	22	2	1	1	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	5	17	2	..	..	3	..	..	..	..	3	..	1	4	1	1	..	2	1	1	1	..	1	..	1	..	..	..	..	1	17
Hail	..	2	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Halos, lunar	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	5	5	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	..
Sleet	3	..	1	4	..	..	..	..	..	..	..	3	2	..	..	..	..	..	1	4	..	..	..	..	..	..	..	1	2	..	6
Thunderstorms	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.13	30.60	7	29.28	1	9.1	31	w.	31	83	61	72	53
Columbus, Ohio	30.10	30.55	5	29.25	1	11.1	42	sw.	2	81	66	74	40
Elkins	30.11	30.58	6	29.31	31	7.2	27	sw.	31	80	58	71	43
Huntington Airp't	30.13	30.60	6	29.37	31	......	32	sw.	1	84	60	74	....
Parkersburg	30.10	30.59	6	29.35	1	6.5	25	sw.	2	80	60	66	33
Pittsburgh, Pa	30.07	30.51	16	29.27	31	12.0	43	sw.	2	77	60	64	45

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	..	....	3.24	4.23	3.24	3.64	......	.	..	..	..
1892	29.4	76	−3	2.95	3.57	2.66	3.15	......	11	..	..	..
1893	22.6	71	−25	2.26	2.87	2.02	2.49	......	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	......	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	......	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	**83**	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	**1.37**	3.6	8	10	7	14
1932	**43.4**	82	7	3.18	5.18	4.79	4.82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	**8.50**	.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	**20.5**	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	−23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
Period	32.6	83	−34	3.10	3.88	3.58	3.60	7.9	12	9	7	15

Climatological Data for January 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	24.2	−4.6	57	§18	−14	9	1.84	−2.66	0.49	2	8.3	9	16	9	6	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	31.4	......	65	§18	−7	8	1.66	......	.50	§4	5.0	5	15	0	16	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	29.2	−1.7	65	24	−12	8	1.43	−0.91	.41	1	4.0	6	22	0	9	w.	E. L. Keister
Harpers Ferry	Jefferson	400	53	......	......	......	....	......	....	1.22	−1.49	.39	4	4.0	6	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	[a]32.4	......	64	18	−4	§8	1.62	......	.60	4	6.0	5	16	6	9	nw.	H. W. Prettyman
Kearneysville	Jefferson	548	12	32.1	−1.8	64	24	−4	8	1.79	−0.99	.62	4	4.0	6	10	13	8	w.	University Exper. Station
Martinsburg	Berkeley	435	50	31.4	+0.4	62	24	−1	8	1.95	−0.55	.75	4	5.0	9	24	7	0	w	Dr. H. S. Gardner
McNeill	Hardy	800	46	30.1	−0.9	67	18	−16	11	1.78	−0.60	.56	19	4.0	6	10	6	15	w.	R. E. Saville
Piedmont	Mineral	1,053	29	30.8	−0.1	63	18	−5	8	1.68	−0.90	.58	4	9.0	6	13	6	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	32.8	+1.3	66	18	−6	§8	2.33	−0.06	1.00	1	6.5	5	13	8	10	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	22	......	......	......	....	......	....	1.17	−1.64	.50	4	9.0	6	6	7	18	w.	A. C. Becker
Wardensville	Hardy	1,200	21	29.5	−1.3	65	18	−10	11	1.16	−0.97	.38	4	4.5	8	12	10	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	......	......	......	....	......	....	2.14	−1.26	.82	4	7.3	8	2	16	13	w.	L. Esle Bond
Alpena	Randolph	2,571	11	27.4	−3.5	58	18	−13	11	2.09	−2.48	1.04	19	6.0	6	6	11	14	......	Christian Hertig
Benson	Harrison	1,080	18	30.8	−3.3	63	18	−23	8	2.19	−1.42	.68	4	9.2	8	11	8	12	......	R. D. Marts
Bens Run	Pleasants	652	40	31.0	−1.9	62	18	−8	8	1.88	−2.10	.48	28	4.8	6	21	2	8	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	[b]26.6	......	58	18	−18	8	2.42	......	.65	4	7.5	7	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	32.1	−2.5	65	18	−18	6	1.94	−1.65	.60	4	7.1	8	9	13	9	......	M. D. Hawkins
Buckhannon	Upshur	1,411	45	29.6	−2.9	60	§18	−17	6	2.37	−2.03	.70	4	8.0	9	14	5	12	......	H. A. Darnall
Cairo	Ritchie	680	41	32.0	−2.4	64	18	−16	8	2.06	−1.89	.65	4	4.2	8	8	11	12	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	28.4	−4.2	62	18	−15	§8	1.81	−1.50	.57	4	6.9	10	8	6	17	w.	Clarksburg Water Board
Creston	Wirt	640	40	31.4	−2.7	63	18	−16	8	2.20	−1.73	.70	2	5.3	9	13	6	12	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	......	......	......	....	......	....	1.89	−1.30	.57	§1-2	6.5	8	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	......	......	......	....	......	....	1.53	−1.60	.34	4	3 5	8	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	......	......	......	....	......	....	2.27	−0.95	.68	2	5.0	8	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	......	......	......	....	......	....	1.53	−1.88	.54	2	4.0	7	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	.. ..	......	......	....	......	....	1.40	−2.22	.43	2	....	7	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	......	......	......	....	......	....	1.44	−2.33	....	....	4.0	8	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	29.4	−0.8	62	18	−7	11	2.01	−1.77	.65	1-2	4.1	11	4	11	16	w.	U. S. Weather Bureau
Fairmont	Marion	883	36	30.4	−1.8	62	18	−11	§6	1.87	−2.06	.60	4	6.2	9	10	7	14	w.	J. C. Robinson
Glenville	Gilmer	738	48	33.0	−0.8	67	18	−16	6	2.50	−1.93	.81	4	7.0	7	6	8	17	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	30.8	−1.8	61	§18	−18	6	2.26	−1.31	1.08	4	6.7	6	11	6	14	......	L. W. Clayton
Grautsville	Calhoun	900	1	31.8	...	61	§1	−9	8	2.12	......	.60	4	7.0	8	9	13	9	e.	James Roberts
Hastings	Wetzel	809	7	......	......	......	....	......	....	2.25	......	.48	19	5.0	8	12	10	9	nw.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	......	......	......	....	......	....	2.20	−1.06	.70	4	7.0	10	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	29.2	−3.7	61	18	21	8	1.88	−2.04	.67	3-4	5.4	8	4	11	16	w.	Chas. H. Washburn
Mannington	Marion	974	39	29.5	−2.4	60	18	−22	§6	2.44	−1.68	.59	3-4	6.1	9	9	4	18	w.	James A. Morgan
Middlebourne	Tyler	750	1	28.8	......	64	18	−16	8	1.53	......	.40	4	4.0	8	10	5	16	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	49	29.6	−2.7	61	18	−16	8	2.02	−1.44	.90	4	6.0	5	11	12	8	sw.	State Horticultural Farm
New Cumberland	Hancock	671	44	30.7	+2.1	60	18	−13	8	1.65	−1.19	.60	4	5.0	8	12	2	17	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	31.6	−1.5	64	18	−11	8	1.90	−2.08	.52	19	4.5	7	17	6	8	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	32.0	−0.5	62	18	−7	8	1.53	−2.05	.47	1	4.2	10	6	8	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	31.2	−3.3	59	24	−9	11	1.99	−2.62	.53	19	4.7	9	..	..	..	......	D. A. Oliver
Philippi	Barbour	1,300	45	......	......	......	....	......	....	2.08	−2.06	.81	4	10.7	11	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	27.2	−3.7	56	18	−13	6	3.96	−2.36	1.35	19	11.5	14	10	6	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	......	......	......	....	......	....	2.34	−1.26	.78	4	7.8	9	9	5	17	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	......	......	......	....	.	....	2.16	−2.75	.75	19-20	6.2	8	..	..	..	......	W. H. Bolyard
Saint Marys	Pleasants	625	34	......	......	......	....	......	....	2.00	−1.71	.56	28	4.0	8	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	[f]27.0	−0.9	55	§19	−12	8	2.09	−2.79	.54	19	9.4	9	8	11	12	w.	Earl Lee
Thomas	Tucker	3,000	13		......	......	....	......	....	2.62	−1.36	1.00	2	8.0	8	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	32.6	−2.5	64	2	−18	§6	2.30	−1.24	.70	4	7.0	10	9	10	12	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	30.0	−0.2	61	18	−21	8	1.58	−1.47	.55	19	6.0	4	13	5	13	......	George P. Pfister
West Milford	Harrison	979	17	......	......	......	....	......	....	2.28	−0.79	.65	4	6.5	10	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	33.4	−0.7	61	18	−12	6	2.52	−1.59	.84	2	8.6	12	0	25	6	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	29.8	−0 6	60	18	−8	§8	1.57	−1.47	.51	4	4.0	7	8	2	21	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	......	......	......	....	......	....	....	......	....	....	....	..	..	..	..	......	H. S. Sutton
Beckley	Raleigh	2,440	39	30.0	−3.4	61	18	−9	9	2.29	−1.38	.91	1	3.4	9	12	10	9	......	L. A. Mauck
Bluefield	Mercer	2,558	47	[c]33.0	−1.9	......	....	−2	8	2.00	−1.01	....	....	4.2	12	15	5	11	......	Norfolk & Western Ry.
Charleston	Kanawha	602	39	......	......	......	....	......	....	2.65	−1.38	.87	20	6.5	12	..	..	..	......	Charleston Daily Mail
Flat Top	Mercer	3,270	4	28.1	......	59	18	−8	8	1.68	......	.71	1	3.2	9	3	14	14	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	32.0	−3.1	67	18	−4	11	1.62	−1.83	.60	19	1.5	9	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	32.0	......	62	24	−11	8	1.85	......	.72	1	4.8	8	10	8	13	sw.	State Forest Nursery
Hamlin	Lincoln	642	..	......	......	......	....	......	....	....	......	....	....	....	..	.	..	..	......	Calvin Curry
Hinton	Summers	1,431	45	33.9	−0.6	67	24	−4	11	1.67	−1.59	.69	1-2	1.5	9	..	.	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	34.7	+0.7	65	24	−4	8	1.71	−2.08	.80	1	3.8	8	4	17	10	sw.	H. N. Robinson
Institute	Kanawha	606	4	31.2	......	66	18	−13	8	2.34	......	.89	1	6.8	11	8	8	15	w.	Civil Aero. Administration
Kayford	Kanawha	1,335	26	......	......	......	....	......	....	2.40	−1.82	.60	2	7.5	10	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	31.5	−0.9	61	18	−5	§10	1.32	−2.03	.60	1	....	7	..	..	..	......	J. K. Monroe
Logan	Logan	700	39	33.8	−5.2	67	18	0	11	2.17	−2.25	.86	19	3.2	12	7	11	13	......	Paul A. Simonds
London Locks	Kanawha	623	6	32.8	......	66	18	−2	11	2.07	......	.70	1-2	5.0	9	12	5	14	w.	Lockmaster
Madison	Boone	675	21	30.4	−6.2	66	18	8	8	2.19	−1.91	.69	19	4.6	10	12	7	12	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	[a]29.5	+1.5	64	24	−12	11	2.47	−1.73	1.06	1	5.0	5	8	13	10	w.	Edward A. Moore
Oak Hill	Fayette	1,950	..	30.4	......	62	18	−5	§6	2.09	....	.72	1-2	6.0	10	7	10	14	......	W. E. Holy
Point Pleasant	Mason	595	43	32.5	−1.6	63	25	−13	8	1.35	−2.60	.59	2	3.6	8	15	10	6	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	28.6	−3.8	60	18	−16	11	2.90	−1.31	1.20	1	5.7	11	9	8	14	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	33.0	−2.4	64	25	−11	8	1.72	−1.88	.70	2	3.0	7	15	1	15	nw.	Lockmaster
Richwood	Nicholas	2,193	12	29.2	−5.2	60	18	−8	11	2.31	−1.74	.72	2	4.8	13	3	5	23	nw.	Cherry River Paper Co.
Ripley	Jackson	610	..	33.0	......	65	18	−14	8	1.45	......	.55	1	5.0	4	13	5	13	w.	Sattis Simmons
Ryan	Roane	700	39	29.9	−3.1	64	18	−20	§6	2.31	−1.74	.53	19	9.3	10	11	8	12	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	27.8	......	60	24	−20	11	2.31	......	.84	19	2.2	7	17	6	8	n.	Supt., State Forest
Spencer	Roane	789	38	31.8	−1.9	63	18	−16	8	2.70	−1 31	.67	2	6.5	11	5	7	19	sw.	A. M. McKown
Summersville	Nicholas	1,900	6	28.5	......	61	18	−12	11	2.17	......	.90	19-20	4.7	9	8	2	21	......	A. E. Dorsey
Sutton	Braxton	850	36	33.2	−1.1	65	§18	−13	6	3.12	−1.42	1.19	19-20	10.0	7	..	..	..	......	C. B. Eakle
Union	Monroe	2,200	38	29.5	−3.8	64	18	−13	11	1.27	−1.88	.48	18-19	2.0	9	12	3	16	......	C. B. King
Webster Springs	Webster	1,500	10	32.8	......	64	18	−6	11	2.26	......	.92	19	1.6	11	6	14	11	......	Stuart Criss
White Sulphur Springs	Greenbrier	1,914	32	28.7	−3.4	64	18	−13	11	1.75	−1.58	.60	2	1.0	7	18	1	12	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	42	34.0	−2.0	64	18	1	11	1.90	−2.05	.80	19	4.0	9	5	12	14	se.	J. E. Dotson
Winfield Locks	Putnam	571	4	32.1	......	65	18	−7	9	1.92	......	1.05	1-2	4.0	8	9	3	19	nw.	Lockmaster
State averages and	extremes	......	....	**30.7**	**−1.9**	**67**	**§18**	**−23**	**8**	**2.02**	**−1.58**	**1.67**	**1**	**5.6**	**8**	**10**	**8**	**13**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates. * Estimated.

Daily Precipitation for January 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.11	.49	.16	.35						.03									.30									*	.10		.30	1.84
Brandywine	do	.41	.09		.30															.31									.15			.17	1.43
Brushy Run [2]	do	.04	.26		.41															.26									.27	.04		T.	1.28
Harpers Ferry [2]	do	T.	.17		.39	T.														.20	.08								.33	T.		.05	1.22
Inwood	do	.10	.17		.60															.40									.35				1.62
Kearneysville	do	.19	.04		.62															.36									.31			.27	1.79
Knobly Mountain [2]†	do	.05	.36		.50															.18	.07								.20			.35	1.71
Martinsburg [2]	do	.05	.35	T.	.75															.35	.10		T.					.01	.28	.01		.05	1.95
McNeill†	do	.24	.09		.49															.56									.27	T.		.13	1.78
Petersburg	do	.28			.50															.27									.28			.19	1.52
Piedmont	do	.30	.10		.58															.17									.21			.32	1.68
Romney	do	1.00			.45															.60									.20	T.		.08	2.33
Spruce Knob [2]†	do	.03	.30		.23						.04	T.								.37	T.								.04	T.		.23	1.24
Stony River Dam [2]†	do	.06			.50						.10									.15	.06								.30				1.17
Wardensville [2]	do	.06	.15		.38				T.											.17	.02								.28	.05		.05	1.16
Northern Division																																	
Aberdeen†	West Fork	.40	.17		.82	T.			.03		T.	T.								.40	.05		T.						.23	T.		.04	2.14
Alpena	Cheat	.23	T.	T.	.40	T.		T.	T.		T.	.10								1.04	T.	T.	T.						.10			.22	2.09
Belington [2]	Tygart	.02	.49	T.	.70	.01	T.		.03	T.	.01	.03	T.	T.		T.				.30	.29	T.	T.	T.					.07	.10		.03	2.08
Benson†	West Fork	.45	.30		.68				.05		.03									.43	.02		T.						.23				2.19
Bens Run	Ohio	.37	.07		.41															.34			T.						.48			.21	1.88
Big Skin Creek†	West Fork	.43	.31		.64				.03		.02									.56	.11		.02						.20			.10	2.42
Brownsville†	do	.45	.20		.60				.01											.41	.07								.16			.04	1.94
Buckhannon	Tygart	.40	.24	T.	.70	T.			T.		.06			.03						.55	.07		T.						.26			.06	2.37
Cairo	Litl.Kanawha	.46	.10		.65				T		.05	T.								.23	.03		T.						.44			.10	2.06
Clarksburg [2]	West Fork	.02	.47		.57				.02		.02									.25	.15		T.	T.					.17	.05		.09	1.81
Crawford	do	.48	.16		.74			.03			.01									.58	.03	.01							.23			.08	2.35
Creston [2]	Litl.Kanawha	.20	.70		.49	T.			.01		.02	T.	T.							.20	.25		T.	T.					.28	T.		.05	2.20
Dailey [2]†	Tygart	.03	.27	T.	.24		T.		T.		T.	T.	T.							.54	.10		T.	T.					.05	T.		.03	1.26
Dam 10, Mon. R. [2]†	Monongahela	.01	.56		.57				T.		T.	T.		T.						.16	.19								.21	.08		.11	1.89
Dam 13, O. R. [2]†	Ohio		.31		.34	.01								T.						.32	.23								.08	.05		.19	1.53
Dam 15, Mon. R. [2]†	Monongahela	.04	.68	T.	.60							T.	T.							.16	.18								.32	.09		.20	2.27
Dam 19, O. R. [2]†	Ohio	.03	.54	T.	.32	T.				T.	T.			T.						.15	.18		T.				T.	T.	.26	T.		.05	1.53
Dam 20, O. R. [2]†	do	.05	.43	T.	.33	T.			T.	T.	T.			T.						.06	.20		T.				T.		.23			.10	1.40
Elizabeth (Dam 3) [2]	Litl.Kanawha	*	.56		.40															.15	.12								.15	.04		.02	1.44
Elk†	West Fork	.15			.80															.48									.49				1.92
Elkins [1]‡	Tygart	.39	.26	.39	.08	T.		.03	T.		.02	T.	T.	T.	T.					.58	.01	T.	.01					T.	.05	T.		.19	2.01
Fairmont [2]	Monongahela	*	.43	T.	.60							.02								.12	.15	T.	T.						.36	.08		.11	1.87
Glenville [2]	Litl.Kanawha	.34	.51	T.	.81				T.		T.	T.								.38	.09		T.						.28	.09	T.	T.	2.50
Grafton	Tygart	.33	.23		1.08	T.															.38		.01						.23				2.26
Hackers Creek†	West Fork	.70	T.		.70				T.											.36	.07		T.						.10	T.		.30	2.23
Hall [2]	Tygart	.01	.55	T.	.79	T.	T.		.05		.04	T.	T							.34	.15		T.	T.					.11	.10		.03	2.17
Harrison Co. Airport [2]	West Fork	.07	.51		.58				.04			T.								.04	.22	.01		T.					.13			.12	1.72
Hastings	Ohio	.42	.27	.03	.42					T.		T.	T.							.48	.04								.33			.26	2.25
Horner	West Fork	.45	T.		.85				T.	T.										.45									.23			.12	2.10
Ireland	do	1.02			.47			T.			.03	T.								.77	.06								.34			.01	2.70
Jane Lew	do	.38	.36		.70			.02			.01									.36	.07		.01						.21			.08	2.20
Kumbrabow St. For.†	[2]Tygart	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lost Creek (near)	West Fork	.24	.29	.15	.52			T.	T.	T.	T.	T.								.38	.02		T.	T.					.20			.08	1.88
Mannington	Monongahela	.44	.34	.02	.57				T.		.02	T.								.42	.04		T.						.32			.27	2.44
Middlebourne	Middle Is.Creek	.03	.31		.40				T.	T.	T.	T.								.15	.20								.30	.04		.10	1.53
Midvale [2]†	Tygart		.26		.44	T.	.02		.01		.03	.01									.09		.01	.09					.06	.03			1.05
Morgantown	Monongahela	.40			.90	T.				T.	T.		T.							.35	T.		T.						.25			.12	2.02
Mt. Clare	West Fork	.34	.25	.03	.74	T.		T.			.01									.22	.01		.01						.24			.10	1.95
New Cumberland	Ohio	.35			.60					.01			.01							.42						.01			.02			.23	1.65
New Martinsville	do	.41	.05	.32	.13				T.	T.		T.	T.							.52			T.						.27	.20		T.	1.90
Parkersburg [1]‡	do	.47	T.	.29	.07			.03		.02	T.	T.	T.	T.					.01	.24			T.				T.	.17	.04			.19	1.53
Parsons	Cheat	.22	.36	T.	.51	T.					.05									.53	.02	T.	.01						.07			.22	1.99
Philippi [2]	Tygart	T.	.48	T.	.81	.02	T.		.02		.01	.01	T.	T.						.32	.17	T.	T.	T.					.11	.09		.04	2.08
Pickens	do	.65	.30	.05	.30	.10	.05	.10	.10		.20									1.35	.15		.05						.39			.17	3.96
Roanoke	West Fork	.44	.10		.78			.01		T.										.66	.11		T.						.15	.02		.07	2.34
Rockford†	do	.33	.36	.08	.62				T.											.40			.07						.28			.11	2.25
Rowlesburg [2]	Cheat	T.	.49		.65						.02	T.								.44	.31	T.	T.	T.					.04	.08		.13	2.16
Saint Marys [2]	Ohio		.45		.40		T.													.20	.21						T.	.02	.56	.08		.08	2.00
Salem	West Fork	.40	.28		.65						T.	T.								.36			T.						.43			.16	2.28
Shinnston	do	.28		T.	.60			T.			T.									.20	.35								.10			.12	1.65
Terra Alta†	Cheat	.39	.41		.33	.02			T.		.05									.54	.06		T.						.08			.21	2.09
Thomas [2]	do	T.	1.00		.50	.14	T.				T	T.								.57	.21			T.					.05	.05		.10	2.62
Valley Chapel	West Fork	.48	.36	.02	.70				.02		.01									.40	T.	T.	.01						.20	T.		.10	2.30
Valley Head [2]	Tygart	.03	.55		.29	T.	T.		.05		T.	.03								.51	.21	T.	T.	T.					.10	.14		.06	1.97
Vandalia†	West Fork	.52			.99															.49			.10						.18			.06	2.34
Wellsburg (near)	Ohio	.30			.41					T.										.55												.32	1.58
West Milford	West Fork	.38	.30	.05	.65			.02			.10									.38		.05							.25			.10	2.28
Weston [2]	do	.05	.84	T.	.75	T.			.05		.02	.03	T.							.34	.18		.01	T.					.12	.08		.05	2.52
Wheeling (Dam 12) [2]	Ohio	T.	.31		.51	.01					T.									.30	.24						T.		.02	T.	T.	.18	1.57
Southern Division																																	
Arbovale [2]	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Beckley	New	.91		.29		.03		.11			.04									.75			.03						.07			.06	2.29
Bluefield	New	*	.82		.22			.05	.10		.05									.45	.04							.02	.10	.02		.13	2.00
Camden-on-Gauley [2]	Gauley	.20	.42		.45	T.			.08			.02								.65	.17								.06	.14			2.19
Charleston [2]	Gr. Kanawha	.26	.56	T.	.50	.04			.11		.08	T.	T.							.15	.87		.02						.02	.01		.03	2.65
Clay [2]	Elk	.24	.45		.39	.22	T.		.08		.06	T.								.49	.25		T.	T.					.09	.10			2.37
Flat Top [4]	New	.71		.06	.16	T.		.08	.02		.03									.52	T.		T.					T.	.06			.04	1.68
Gary [2]	Big Sandy	.30	.17		.13	T.	T.		.08		T.									.60	.14		T.						.12	.01		.07	1.62
Greenbottom [2]†	Ohio	.72	.25	.09	.33							.05								.13	.03	T.	T.					T.	.14	T.		.11	1.85
Hinton [2]	New	.19	.50		.28	T.	T.		.06											.36	.03		T.	T.					.05	.10		.10	1.67
Hogsett [2]	Ohio	.18	.68		.25				.01											.06	.09		.01	T.					.16	.01		.02	1.47
Huntington	do	.80	.16	.20	.20			.02	T.		T.		T.							.16	T.		T.					T.	.09	T.		.08	1.71
Institute [4]	Gr. Kanawha	.89		.60	.01	T.		.05			.02		T.						.36	.19	T.		.02					.05	.07			.08	2.34
Kayford [2]	do	.20	.60		.38	T.			.10				.05							.57	.18		.02						.20	.10			2.40
Lewisburg	Greenbrier	.60	T.	.06				.04	.02											.39									.11			.10	1.32
Logan [2]	Guyandot	.35	.47		.30	T.	T.		.04		T.	T.								.86	.06		.01	.01					.01	.03		.03	2.17
London Locks [2]†	Gr. Kanawha	.08	.62		.45		T.	T.			.03	T.								.48	.14		T.						.04	.23			2.07
Madison [2]	Coal	.45	.33		.42				.07		.01									.69	.10								.09	.01		.02	2.19
Marlinton	Greenbrier	1.06	T.		.41															.48									.25			.27	2.47
Point Pleasant [2]	Ohio	.15	.59	T.	.40								T.	.01						.01	.01		T.				T.		.17	T.	T.	.01	1.35
Princeton [2]	New	.18	.33		.10			.08	.11											.33	.09	T.							.07	.17		T.	1.46
Rainelle	Greenbrier	1.20		T.	.38	.03		.05	.05		.05									.69	.04		.01						.22	T.		.18	2.90
Ravenswood [2]	Ohio	.11	.70		.40															.10	.15						T.		.22	T.		.04	1.72
Richwood [2]	Gauley	.10	.72		.31	.03	.02	.05	.03		.04									.47	.18								.10	.14		.12	2.31

Continued on next page.

ERRATA: December 1941, White Sulphur Springs, pages 46 and 48, total precipitation should be 2.35 inches; Page 48, delete 0.25 on 31st; each daily amount should be charged to the succeeding day.

Daily Precipitation for January 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.50	.09	.40	.40	....	....	....	.10	....	.03	....	....	.04	....	....	....	....	....	.53	.10	....	....	....	....	....	....	....	.12	...	....	T.	2.31
Seneca State Forest†	Greenbrier	.55	.05	....	.18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.84	.04	....	....	....	....	....	....	....	.40	....	....	.25	2.31
Spencer²	Litl.Kanawha	.26	.67	....	.50	....	....	....	.05	....	.10	....	....	.45	....	....	....	....	....	.31	.10	....	....	T.	....	....	....	....	.19	.03	....	.04	2.70
Summersville²	Gauley	.36	.27	T.	.40	.02	....	....	.05	....	....	....	....	....	....	....	....	....	....	.65	.25	....	....	....	....	....	....	....	.05	.12	....	....	2.17
Sutton	Elk	.56	.15	....	.80	....	....	....	....	....	.20	....	....	....	....	....	....	....	....	1.08	.11	....	T.	....	....	....	....	....	.22	....	....	T.	3.12
Thornwood²	Greenbrier	*	1.67	.. .	.43	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.49	T.	T.	....	....	....	....	....	....	....	.36	....	.04	2.99
Union²	New	.14	.18	....	.10	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	.24	.24	....	....	....	....	....	....	....	.11	.07	....	.09	1.27
Wayne²	Twelvepole	*	.64	....	.32	.21	....	....	....	....	....	....	....	....	....	....	....	....	....	.25	.05	....	....	....	.04	....	....	....	.04	...	....	.04	1.59
White Sulp'r Spgs.²	Greenbrier	.25	.60	....	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	....	....	....	....	....	.25	.15	....	.10	1.75
Williamson²	Big Sandy	.45	.27	....	.23	....	....	....	.05	....	.01	T.	....	....	....	....	....	....	....	.80	.01	....	T.	T.	....	....	....	....	T.	.02	....	.06	1.90
Winfield Locks²†	Gr. Kanawha	.18	.87	....	.40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.21	.12	....	T	T.	....	....	...	....	.11	.01	....	.02	1.92

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore: Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for January 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard³	Maximum	45	32	40	25	18	15	5	4	22	12	23	40	37	47	37	32	52	57	50	28	31	35	45	55	57	45	52	35	35	45	45	35.5
	Miuimum	22	29	18	18	15	-6	-7	-11	-14	4	-8	6	17	4	23	22	0	4	28	24	22	21	22	29	21	25	20	23	14	8	9	13.0
Beckley	Maximum	51	53	40	30	25	21	19	19	23	22	24	40	45	44	48	43	51	61	58	43	38	34	45	59	55	48	46	46	34	43	34	40.1
	Minimum	33	26	16	21	12	-5	10	-6	-9	1	-7	9	30	24	20	27	20	34	30	25	27	21	27	30	35	31	25	30	22	28	31	19.9
Bluefield	Maximum	..	54	38	..	37	20	18	17	26	26	..	40	41	48	46	42	50	..	60	40	39	37	56	57	..	58	52	46	39	49	50	41.8
	Minimum	..	32	21	..	17	1	14	-2	2	9	..	1	32	30	30	29	26	..	40	27	30	27	31	36	..	34	32	32	27	32	40	24.2
Brandywine	Maximum	45	50	42	31	32	20	26	15	20	17	32	42	44	54	50	44	42	62	56	48	40	39	55	65	58	61	60	46	35	42	54	42.8
	Minimum	26	25	12	21	12	-4	3	-12	-10	-1	-10	4	24	17	19	23	7	26	34	28	24	21	18	27	20	30	19	28	8	12	30	15.5
Buckhannon	Maximum	52	57	35	35	27	14	16	10	23	22	23	40	40	47	46	38	52	60	60	42	38	37	50	57	56	53	52	50	31	55	60	41.2
	Minimum	29	34	18	22	13	-17	3	-9	-9	5	-12	0	28	15	26	28	13	29	34	28	28	22	30	28	26	25	19	30	21	20	34	18.1
Cairo	Maximum	50	56	35	35	34	21	21	12	24	25	24	40	45	48	48	44	58	64	63	43	41	42	54	60	61	60	46	47	39	60	61	43.9
	Minimum	32	28	22	26	10	-14	3	-16	-3	10	-9	3	32	15	29	26	14	28	39	33	30	25	21	22	28	30	30	37	27	20	41	20.0
Charleston (Airport)	Maximum	61	51	34	32	25	25	17	14	25	18	30	47	45	55	47	46	64	66	51	40	42	41	56	64	58	56	62	44	41	60	56	44.3
	Minimum	35	21	18	24	-6	-10	-3	-13	-4	-4	-4	10	23	20	30	21	18	30	35	27	26	27	24	23	30	27	26	32	25	24	32	18.2
Clarksburg³	Maximum	58	39	35	32	18	18	16	9	24	19	24	41	37	48	40	37	55	62	51	35	38	37	51	57	56	42	51	39	36	57	59	39.4
	Minimum	30	37	24	25	17	-13	-12	-15	-15	6	-4	2	7	16	17	28	13	13	42	33	31	25	28	29	27	27	30	30	25	20	21	17.5
Elkins	Maximum	52	55	38	31	22	18	16	10	26	15	24	43	38	50	41	36	56	62	52	32	35	32	50	59	58	50	52	46	36	56	55	40.2
	Minimum	33	25	18	22	6	-1	2	-4	-4	-4	-7	7	21	17	29	18	12	32	32	28	26	26	32	30	28	30	23	30	23	20	29	18.7
Fairmont³	Maximum	52	34	37	30	25	19	21	14	24	18	25	40	39	49	42	41	57	62	50	46	41	37	55	59	61	40	52	38	40	59	60	40.9
	Minimum	31	33	25	25	15	-11	-9	-11	-10	9	2	11	16	22	26	29	11	11	46	33	31	27	27	33	32	32	33	33	21	21	25	20.0
Flat Top	Maximum	45	50	33	27	20	18	14	9	22	17	24	38	43	47	40	37	45	59	50	29	33	30	47	57	52	51	45	42	34	44	49	37.1
	Minimum	32	21	17	20	11	-7	6	-8	-4	-2	-6	12	23	20	25	24	19	34	28	23	25	26	27	36	29	31	25	29	21	25	26	19.1
Gary³	Maximum	58	42	44	30	25	25	22	17	29	18	32	46	48	54	47	46	61	67	49	38	43	39	55	63	58	57	54	42	43	60	55	44.1
	Minimum	33	41	19	19	24	4	4	2	0	13	-4	5	11	20	20	27	19	19	31	32	27	24	26	22	22	25	26	29	31	24	24	20.0
Glenville	Maximum	60	58	51	41	37	21	18	20	29	26	32	38	42	55	48	44	51	67	56	45	42	45	55	62	59	58	52	47	42	61	58	45.8
	Minimum	28	28	21	27	14	-16	-1	-15	-6	15	-10	2	30	18	30	20	16	32	39	34	30	24	25	24	29	34	27	38	27	22	36	20.1
Grafton	Maximum	51	57	37	38	30	20	18	14	25	24	24	44	40	51	48	42	56	61	61	51	37	38	53	59	59	58	53	54	39	59	59	43.9
	Minimum	28	22	20	22	12	-18	0	-17	-10	8	-7	1	31	18	24	26	12	27	37	28	27	19	28	22	25	32	24	31	19	19	39	17.7
Huntington	Maximum	60	54	33	35	31	26	21	16	24	24	31	49	42	54	48	47	59	64	61	44	44	43	57	65	57	55	48	46	42	59	54	44.9
	Minimum	40	28	22	26	15	1	10	-4	3	10	8	17	34	24	30	28	21	34	39	34	25	32	27	28	36	35	30	37	31	25	35	24.5
Lewisburg	Maximum	46	52	34	31	25	19	20	15	22	22	30	40	41	51	45	45	50	61	53	38	39	37	51	58	57	56	51	46	42	48	52	41.2
	Minimum	33	27	19	24	9	4	10	-4	0	-5	-5	12	31	18	30	29	18	25	38	29	30	25	30	36	34	34	28	34	25	23	35	21.8
Logan³	Maximum	62	38	34	32	30	29	23	18	28	17	32	49	47	56	51	50	56	67	51	41	43	41	57	61	60	61	49	44	43	59	57	44.7
	Minimum	36	38	24	30	21	1	1	1	1	14	0	8	17	26	26	31	23	23	33	35	28	30	31	27	27	31	31	31	33	27	28	23.0
Madison³	Maximum	62	38	36	30	24	26	22	10	25	21	31	42	42	54	47	45	42	66	51	40	40	41	40	42	60	59	50	40	40	55	63	41.4
	Minimum	33	36	20	21	18	-6	-2	-8	-5	9	-6	8	14	20	20	29	18	25	40	33	28	26	28	25	25	29	21	29	30	23	25	19.5
Mannington	Maximum	52	54	34	31	29	16	17	10	23	22	23	39	40	46	43	39	52	60	54	40	38	36	50	55	58	44	50	47	39	56	56	40.4
	Minimum	37	27	25	26	5	-22	2	-22	-10	6	-10	-2	29	15	28	26	12	28	37	33	31	24	27	25	27	33	33	35	19	19	34	18.6
Marlinton	Maximum	34	48	34	34	32	21	20	19	23	23	29	38	45	51	48	44	48	59	51	43	39	39	54	64	58	58	53	61	..	50	53	42.4
	Minimum	28	24	15	24	16	-5	2	-6	-8	6	-12	3	25	10	22	26	10	19	30	28	28	21	20	25	20	31	21	32	..	16	27	16.6
Martinsburg³	Maximum	54	50	38	38	30	20	23	12	21	22	30	40	40	50	47	35	45	60	55	50	45	44	56	62	48	40	44	40	35	37	43	40.5
	Minimum	28	34	26	26	28	7	8	-1	0	3	3	12	13	20	22	34	17	17	34	36	38	29	30	33	30	33	33	33	23	22	22	22.4
Morgantown	Maximum	42	38	40	36	30	15	14	10	8	21	20	21	39	37	46	42	40	61	55	55	37	45	50	58	58	38	48	46	33	57	57	38.6
	Minimum	18	33	30	20	15	-10	-5	-16	-12	1	8	4	13	29	24	25	26	25	40	31	30	30	30	37	35	37	32	33	12	26	40	20.7
New Cumberland	Maximum	47	54	30	31	20	19	17	12	22	22	25	39	39	45	43	41	53	60	56	41	36	37	53	58	58	46	59	44	37	53	54	40.4
	Minimum	35	25	24	17	8	-6	1	-13	2	7	7	10	24	22	25	23	14	35	39	32	32	22	32	33	30	33	34	32	15	23	35	21.0
New Martinsville	Maximum	52	42	35	35	30	20	18	11	23	22	24	42	41	47	45	37	56	64	52	38	42	39	52	58	57	45	52	48	39	58	55	41.3
	Minimum	39	27	25	27	9	-7	6	-11	1	5	6	6	31	20	29	27	16	30	37	34	30	29	29	27	30	36	35	34	20	21	33	22.0
Parkersburg	Maximum	56	53	34	30	21	20	18	11	23	18	27	43	38	49	44	38	57	62	53	37	43	41	53	60	53	40	43	42	37	58	53	40.5
	Minimum	38	25	25	21	8	-3	3	-7	5	7	8	15	26	26	29	25	21	43	36	34	32	32	31	37	40	30	29	27	27	26	31	23.5
Pickens	Maximum	52	44	43	33	27	20	15	15	21	2	20	40	38	46	41	38	53	56	52	41	33	32	45	45	46	40	54	45	36	53	51	38.0
	Minimum	24	20	17	19	-4	-13	-4	-10	-7	-7	-9	6	22	19	25	18	15	32	30	24	24	17	28	29	33	34	27	28	20	23	29	16.4
Point Pleasant	Maximum	57	60	32	37	31	21	21	19	23	24	27	43	43	47	48	45	54	60	60	39	41	42	52	61	63	63	45	45	38	56	55	43.6
	Minimum	34	29	21	25	10	-8	9	-13	-11	6	7	10	33	22	27	25	18	30	38	33	26	32	24	25	32	31	24	36	28	24	35	21.4
Rainelle	Maximum	45	51	33	33	23	20	17	13	24	24	28	41	38	49	45	42	48	60	48	34	37	33	51	58	55	55	48	47	41	46	51	39.9
	Minimum	40	26	14	22	11	-7	-2	-5	-10	5	-16	0	26	13	28	27	14	22	34	26	28	18	24	18	22	25	21	32	23	21	34	17.2
Ravenswood	Maximum	57	60	34	37	34	25	29	17	22	27	30	46	49	51	52	47	58	63	60	39	42	43	54	63	64	53	46	46	41	59	58	45.4
	Minimum	34	25	23	25	11	-10	-9	-11	-1	-7	3	8	32	22	21	26	17	35	37	33	31	29	24	26	34	32	24	36	26	26	35	20.5
Richwood³	Maximum	54	39	41	29	22	20	18	10	22	12	26	41	40	49	42	39	56	60	50	35	38	35	50	55	42	52	51	40	38	52	53	39.1
	Minimum	31	36	19	19	19	0	-1	-2	-4	10	-8	5	10	22	22	29	18	27	35	29	28	22	26	23	23	28	25	27	25	24	29	19.2
Romney	Maximum	49	48	52	41	31	27	24	21	21	21	30	47	45	47	57	43	40	66	52	54	57	50	63	49	51	62	52	45	39	39	36	43.8
	Minimum	25	21	21	22	20	6	0	-6	-3	10	-6	10	32	33	15	26	11	33	40	41	39	25	27	38	39	28	27	25	24	21	28	21.7
Spencer³	Maximum	56	35	33	30	23	20	13	12	23	19	27	43	38	51	45	42	59	63	51	46	44	39	50	61	58	52	50	40	40	60	55	41.2
	Minimum	32	33	20	23	11	-15	4	-16	-5	9	-7	4	33	33	29	30	16	35	46	33	31	27	26	30	42	33	33	35	26	23	41	22.4
Sutton	Maximum	57	57	34	34	28	22	22	18	26	26	29	43	43	50	50	45	58	65	65	42	46	46	54	61	61	56	55	52	38	58	58	45.1
	Minimum	33	29	17	26	18	-13	2	-7	-6	11	-12	4	34	17	31	34	14	29	41	37	33	23	25	23	38	34	23	37	27	20	39	21.3
Wardensville³	Maximum	53	46	38	38	31	22	22	16	24	20	35	45	43	56	50	37	48	65	55	40	40	41	57	61	50	46	47	35	38	39	46	41.4
	Minimum	26	31	17	19	23	0	-3	-8	-7	9	-10	5	19	17	26	31	9	15	33	34	33	21	22	30	24	29	27	27	16	14	18	17.6
Weston	Maximum	59	55	45	34	31	21	18	12	24	20	30	40	39	50	45	43	59	61	56	48	38	38	52	60	59	55	52	48	40	60	60	43.6
	Minimum	34	30	22	30	20	-12	5	-10	-4	10	4	-2	33	21	30	33	15	32	48	34	31	30	34	30	33	42	26	39	27	22	30	23.1
Wheeling³	Maximum	55	29	29	31	26	20	10	10	22	17	25	39	38	45	40	37	53	60	50	44	42	38	51	56	56	36	47	38	38	42	55	38.0
	Minimum	33	29	26	25	11	-1	-1	-8	-8	9	6	12	24	24	27	28	17	17	44	34	32	32	27	34	31	34	34	34	19	19	24	21.5
Williamson³	Maximum	60	39	38	31	27	29	23	18	30	21	33	48	48	56	50	49	62	64	51	43	43	44	58	62	57	59	49	43	44	59	54	44.9
	Minimum	36	38	25	25	23	3	3	2	4	15	1	5	16	24	24	30	21	25	31	35	28	44	30	28	28	30	30	32	34	28	29	23.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

(WBO, Columbus, Ohio, 2-26-42—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., FEBRUARY 1942 No. 2

GENERAL SUMMARY

February was cold with a mean temperature of 29.3°. At only one station (Point Pleasant) was a mean temperature in excess of the normal recorded. The cold periods were the 3d–4th, 9th, 13th, 19th–23d, and the warm periods were the 5–7th and the 15–18th. Temperatures of zero or lower were recorded quite generally on the 3d and at widely scattered stations on the 9th, 13th, and 20th.

Practically all stations reported precipitation below normal; only three stations were normal or very slightly above. A large number of stations in the southern division had deficiencies in excess of one inch. The northeastern panhandle division averaged 62% of normal, the northern division 77% and the southern division 67%. The rains and snows were well distributed throughout the month, and soil moisture seemed adequate in most places. The greatest number of snow-lying days occurred at Spruce Knob, which had 28. Navigation on the Ohio River was somewhat impeded by running ice on the 23d and 24th.

The ground was not protected by snow in many cases during the hard freezing weather of the 3d–4th and 9th. Apparently, however, there was little damage to winter grains and grasses by heaving.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 74 stations, was 29.3°, or 4.0° below the normal. The mean for the northeastern panhandle division was 29.1°; for the northern division, 28.5°; and for the southern division, 30.1°. The highest monthly mean was 34.4° at Huntington and the lowest, 20.4° at Bayard. The highest temperature was 66° at Ryan on the 15th and Madison on the 16th, and the lowest, −14° at Alpena on the 3d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 2.22 inches, or 0.90 inch below the normal. In the northeastern panhandle division the average was 1.50 inches; in the northern division, 2.51 inches; and in the southern division, 2.14 inches. The greatest monthly precipitation was 4.97 inches at Pickens No. 2, and the least, 0.81 inch at McNeill. The greatest amount in any 24 consecutive hours was 1.59 inches at Pickens No. 2 on the 8th. The average monthly snowfall was 6.9 inches, or 1.5 inches below the normal. The greatest monthly snowfall was 39.5 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 10.

Arnold C. Becker

Mr. Arnold C. Becker, cooperative rainfall observer at Stony River Dam since December 1920, passed away early in February 1942. Mr. Becker was born near Maysville, West Virginia, May 17, 1868, and had been caretaker at Stony River Dam since September 1, 1919. He rendered prompt and efficient service throughout his connection with the Weather Bureau, and his passing is announced with deep regret.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	3	..	1	16	..	..	..	..	1	..	..	1	..	2	..	1	..	..	..	1	3	2	1	..	..	..	..	..	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	7	3	1	1	1	..	1	2	1	..	1	..	..	..	..	2	4	2	5	5	7	4	2	2	1	..	2	2	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	3	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	1	..	..	..	..	..	..
Sleet	3	..	..	..	..	1	..	..	..	1	1	..	..	..	..	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.06	30.51	3	29.22	6	8.3	21	sw.	5	84	64	70	39
Columbus, Ohio	30.03	30.51	3	29.28	6	10.7	31	n.	7	84	67	74	40
Elkins	30.02	30.57	3	29.32	7	7.8	28	nw.	18	88	63	74	35
Huntington Airp't	30.07	30.54	3	29.29	6	......	24	sw.	17	84	62	72	....
Parkersburg	30.05	30.54	3	29.31	16	7.3	26	w.	18	80	59	65	33
Pittsburgh, Pa	29.99	30.53	3	29.30	17	12.4	33	w.	1	83	66	75	34

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	..	.....	2.09	5.23	5.79	5.39	......	..	..	..	..
1892	37.1	72	−12	1.82	2.62	2.61	2.30	......	9	..	..	..
1893	35.0	71	−6	3.68	5.11	4.68	4.81	......	12	..	..	..
1894	33.4	74	−5	3.25	3.89	4.09	3.99	......	10	9	7	12
1895	22.8	79	−17	1.13	1.23	1.09	1.27	......	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	......	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	......	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	......	9	10	8	10
1899	26.1	69	−35	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	.86	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	5.99	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	6	7	18
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	− 5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	− 3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	41.6	86	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	.59	1.04	1.02	.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
Period	33.3	86	−35	2.40	3.24	3.20	3.12	8.4	10	9	6	13

Climatological Data for February 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	20.4	−9.2	55	16	−7	9	2.59	−0.91	0.60	5-6	17.5	11	5	9	14	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	30.2	......	56	14	4	3	....	......	....	....	....	..	22	1	5	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	28.0	−6.7	58	15	−3	3	.88	−0.88	.45	6-7	T.	5	18	0	10	n.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	......	....	......	....	2.07	−0.19	.95	7	1.0	6	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	^{a}29.6	......	60	15	......	....	2.08	......	....	....	....	5	14	4	10	nw.	H. W. Prettyman
Kearneysville	Jefferson	548	12	32.0	−1.9	57	15	6	3	1.47	−0.89	.70	6-7	...	5	8	15	5	w.	University Exper. Station
Martinsburg	Berkeley	435	50	31.0	−0.4	58	15	8	3	1.85	−0.55	1.15	7	2.0	5	19	9	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	29.8	−2.5	60	15	−4	3	.81	−1.32	.32	7	1.0	4	8	7	13	w.	R. E. Saville
Piedmont	Mineral	1,053	29	28.6	−5.2	56	15	6	3	1.73	−0.51	.53	7	4.2	5	12	7	9	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	44	30.9	−3.3	58	15	7	§3	....	......	....	....	....	..	11	10	7	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	22	....	......	......	....	......	....	....	......	....	....	....	..	..	..	..	......	A. C. Becker
Wardensville	Hardy	1,200	21	29.4	−4.4	59	16	2	3	1.14	−0.57	.61	7	T.	6	9	11	8	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	......	......	......	....	......	....	2.60	−0.50	1.09	5	5.7	10	4	13	11	w.	L. Esle Bond
Alpena	Randolph	2,571	11	23.6	−6.7	52	17	−14	3	3.97	+0.01	.70	5	27.5	14	2	8	18	w.	Christian Hertig
Benson	Harrison	1,080	18	30.0	−8.0	60	16	−7	3	2.74	−0.97	.92	5	9.7	12	6	9	13	......	R. D. Marts
Bens Run	Pleasants	652	40	30.4	−2.4	55	17	5	3	1.92	−1.19	.77	5	2.0	10	13	2	13	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	24.0	......	54	16	−6	3	3.77	......	.98	17	18.1	11	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	^{a}32.1	−5.5	60	16	−3	3	2.42	−0.65	.87	5	5.5	10	6	9	13	......	M. D. Hawkins
Buckhannon	Upshur	1,411	45	27.9	−5.2	60	16	−6	3	2.64	−1.12	.95	5	8.5	9	11	5	12	......	H. A. Darnall
Cairo	Ritchie	680	41	30.8	−3.4	61	16	2	3	2.24	−0.73	.85	5	4.4	12	6	9	13	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	27.0	−7.6	61	16	0	3	2.18	−0.86	.82	5-6	7.0	11	7	6	15	w.	Clarksburg Water Board
Creston	Wirt	640	40	31.6	−3.1	60	16	5	3	2.33	−0.86	.90	5	3.3	11	6	6	16	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	......	......	......	....	......	....	2.45	−0.42	.86	5-6	5.3	12	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	......	......	......	....	......	....	2.43	.00	.78	5-6	3.3	14	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	......	......	......	....	......	....	2.46	−0.53	.95	5-6	3.5	9	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	......	......	......	....	......	....	1.58	−0.99	.55	5	T.	9	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	......	......	......	....	......	....	1.39	−1.37	.45	17	....	5	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	......	......	......	....	......	....	2.19	−0.67	.87	5	2.4	9	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	26.4	−5.3	59	17	−7	3	2.16	−0.92	.69	4-5	13.3	16	3	4	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	36	27.7	−5.4	60	16	0	3	2.86	−0.16	1.11	5-6	7.7	15	6	5	17	w.	J. C. Robinson
Glenville	Gilmer	738	48	32.3	−2.3	61	16	3	9	2.54	−0.48	1.11	5-6	3.1	10	8	7	13	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	27.8	−4.8	56	§16	−10	3	2.43	−0.48	....	....	4.4	9	11	3	14	......	L. W. Clayton
Grantsville	Calhoun	900	1	29.9	......	60	16	4	19	2.31	......	....	....	9.2	10	2	17	9	e.	James Roberts
Hastings	Wetzel	809	7	......	......	......	....	......	....	2.83	......	1.30	5	6.4	14	6	6	16	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	......	......	......	....	......	....	2.14	−0.63	.84	5	3.7	9	..	.	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	28.6	−4.1	60	16	−3	3	2.17	−0.91	.85	5	....	10	..	..	..	......	Chas. H. Washburn
Mannington	Marion	974	39	28.6	−4.2	59	16	−9	3	2.89	−0.01	1.18	4-5	6.3	16	5	8	15	w.	James A. Morgan
Middlebourne	Tyler	750	1	26.6	......	59	16	−1	3	2.07	......	.95	5	1.3	6	10	3	15	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	49	28.0	−4.8	58	16	−1	3	2.25	−0.31	.80	5	8.0	8	12	6	10	nw.	State Horticultural Farm
New Cumberland	Hancock	671	44	28.2	−0.9	55	17	1	3	2.26	−0.18	.96	4-5	6.7	12	10	3	15	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	30.8	−2.7	56	17	1	3	2.21	−0.63	1.01	5	1.8	8	10	5	13	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	30.2	−4.0	58	16	9	3	1.57	−1.56	.65	4-5	3.3	11	5	8	15	w.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	^{a}28.9	−2.8	60	16	−8	3	2.62	−0.90	.84	5	9.6	16	8	4	16	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	......	......	......	....	......	....	2.08	−1.10	.81	5-6	9.9	12	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	25.4	−6.5	53	17	−12	3	4.67	−0.42	1.01	4-5	28.0	14	9	3	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	......	....	......	....	......	....	2.49	−0.89	.87	5	2.8	8	7	7	14	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	......	......	......	....	......	....	3.17	−0.48	.89	5-6	13.7	14	..	..	..	......	W. H. Bolyard
Saint Marys	Pleasants	625	34	......	......	......	....	......	....	2.63	−0.30	.86	5	3.5	10	..	..	.	......	Edward Hughes
Terra Alta	Preston	2,559	41	25.1	−3.7	53	16	−4	3	3.43	−0.16	.82	5	17.2	12	5	11	12	w.	Earl Lee
Thomas	Tucker	3,000	13	......	......	......	....	....	....	3.11	−0.45	.60	17	20.0	12	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	30.6	−7.9	61	16	−5	3	2.50	−0.57	1.00	5	5.0	12	6	7	15	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	27.6	−2.4	51	§6	−2	3	2.19	.00	.95	5	T.	6	8	4	16	......	George P. Pfister
West Milford	Harrison	979	17	......	......	......	....	......	....	2.56	−0.77	.95	5	6.7	10	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	31.8	−2.1	61	16	−1	3	3.05	−0.55	.99	5-6	7.4	13	3	14	11	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	27.8	−4.3	52	6	1	3	1.96	−0.33	.67	5-6	5.5	11	7	5	16	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	......	......	......	....	......	....	......	......	......	....	....	....	....	....	....	......	H. S. Sutton
Beckley	Raleigh	2,440	39	28.4	−6.3	53	16	−5	3	2.54	−0.41	.73	16	10.6	15	6	9	13	......	L. A. Mauck
Bluefield	Mercer	2,558	47	^{e}30.2	−4.6	^{e}55	17	^{e}4	3	2.01	−0.92	.50	6	8.5	14	9	9	10	......	Norfolk & Western Ry.
Charleston	Kanawha	602	39	....	......	..	..	....	..	2.06	−1.25	.79	17	1.8	13	..	..	..	......	Charleston Daily Mail
Flat Top	Mercer	3,270	4	25.3	......	51	17	−10	3	2.17	... ..	.66	16	10.7	15	5	6	17	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	^{b}30.4	−7.5	63	16	3	§3	1.46	−1.68	.50	17	4.0	10	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	^{a}32.0	......	60	6	6	3	1.92	......	.41	16	1.2	11	6	5	17	sw.	State Forest Nursery
Hinton	Summers	1,431	45	32.5	−3.0	57	18	6	3	1.54	−1.35	.49	17	2.5	9	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	34.4	−0.3	62	6	11	3	1.70	−1.38	.50	16	3.1	9	4	9	15	nw.	H. N. Robinson
Institute	Kanawha	606	4	31.2	......	64	16	4	19	1.90	......	.52	16	1.9	15	5	7	16	w.	Civil Aero. Administration
Kayford	Kanawha	1,335	26	....	......	..	..	....	..	2.47	−0.97	.45	17	15.0	14	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	29.6	−3.7	52	17	4	3	1.58	−1.21	.52	16	3.4	9	9	5	14	......	J. K. Monroe
Logan	Logan	700	39	33.2	−6.3	63	17	9	§3	2.00	−1.50	.70	17	1.5	11	5	6	17	......	Paul A. Simonds
Loudon Locks	Kanawha	623	6	32.8	......	60	§15	7	3	2.01	......	.67	17	2.4	15	6	7	15	w.	Lockmaster
Madison	Boone	675	21	29.5	−7.1	66	16	5	3	1.85	−1.38	.59	18	2.7	10	3	8	17	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	29.6	−2.2	56	15	4	3	2.19	−1.11	.67	5	2.0	7	5	10	13	n.	Edward A. Moore
Oak Hill	Fayette	1,950	..	27.7	......	56	16	0	3	1.56	... ..	.40	17	6.0	12	9	2	17	......	W. E. Holy
Pineville	Wyoming	1,350	2	33.8	......	63	16	1	3	1.49	......	.73	17	1.9	7	5	5	18	......	Charles Dameron
Point Pleasant	Mason	595	43	33.6	+0.2	64	§6	8	3	1.62	−1.53	.62	17	2.1	8	7	17	4	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	27.0	−6.5	53	15	−7	3	3.72	−0.49	.95	6	26.2	14	10	1	17	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	33.2	−5.6	61	16	8	3	1.82	−1.15	.57	17	....	8	9	0	19	nw.	Lockmaster
Richwood	Nicholas	2,193	12	26.4	−8.1	55	16	0	3	2.58	−1.54	.46	7	11.1	17	3	6	19	nw.	Cherry River Paper Co.
Ripley	Jackson	610	..	33.0	......	61	6	7	3	1.31	......	...	....	2.0	8	10	3	15	......	Sattis Simmons
Ryan	Roane	700	39	30.8	−3.5	66	15	2	3	1.69	−1.59	.36	16	3.8	13	7	4	17	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	26.6	......	53	16	−9	3	2.11	......	...	....	7.5	7	15	6	7	nw.	Supt., State Forest
Spencer	Roane	789	38	30.8	−4.4	60	16	5	3	2.35	−0.80	.74	5	6.5	12	0	12	16	nw.	A. M. McKown
Summersville	Nicholas	1,900	6	26.7	......	56	15	−11	3	2.79	......	.60	5	15.0	10	7	3	18	......	A. E. Dorsey
Sutton	Braxton	850	36	31.6	−4.5	59	§6	1	9	2.46	−0.98	.75	5	6.0	10	13	5	10	......	C. B. Eakle
Union	Monroe	2,200	38	26.7	−8.5	54	16	−2	3	1.56	−1.29	.55	17	1.5	9	8	1	19	......	C. B. King
Webster Springs	Webster	1,500	10	^{a}30.0	......	59	17	0	3	2.75	......	.77	5	8.8	11	5	6	17	n.	Stuart Criss
White Sulphur Springs	Greenbrier	1,914	32	27.6	−7.9	54	15	0	3	1.60	−1.03	.60	17	1.5	6	12	4	12	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	42	33.4	−4.0	60	§5	12	3	1.81	−1.54	.68	17	2.4	14	5	5	18	se.	J. E. Dotson
Winfield Locks	Putnam	571	4	31.4	......	62	16	10	§3	1.50	......	.62	16-17	.2	11	7	4	17	sw.	Lockmaster
State averages and	extremes	......	....	**29.3**	**−4.0**	**66**	**16**	**−14**	**3**	**2.22**	**−0.90**	***1.59**	**8**	**6.9**	**10**	**8**	**6**	**14**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Pickens No. 2.

Daily Precipitation for February 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.03	.25			.40	.20	.37	.38				.03	T.			.03	.39	T.		.13								.38				2.59
Brandywine	do					.10	.14	.31									.11	.22															.88
Brushy Run [2]	do	.11				.02	T.	.57	T.				T.					.32		T.													1.02
Harpers Ferry [2]	do	.22				.39	.04	.95	.09									.38															2.07
Inwood	do					.25	*	1.10	.35									.38															2.08
Kearneysville	do					.36	.02	.68										.37		.04													1.47
Knobly Mountain [2]†	do	.06	T.	T.		.30		.65	T.			T.	T.					.40		T.									T.				1.41
Martinsburg [2]	do	.17		T.		.10		1.15	.05			T.					T.	.38		T.			T.					T.	T.				1.85
McNeill†	do		T.			.15	.05	.32			T.						T.	.29											T.				.81
Petersburg	do					.16	.12	.46									.02	.47															1.23
Piedmont	do	.01				.36	.42	.53										.41		T.									T.				1.73
Romney	do		T.															.19															|||
Spruce Knob [2]†	do	.33	.12			.13	T.	.12	.11	.13			.04	T.				.36	.21	.05	T.						.04	.09	.14				1.87
Stony River Dam [2]†	do																																....
Wardensville [2]	do	.02	T.	T.		.05		.61	.03			T.						.38		.05									T.				1.14
Northern Division																																	
Aberdeen†	West Fork	.10	.07			1.09	T.	.52	.28		T.	T.	.02				.11	.30	T.	.04		T.				T.	T.	T.	.07				2.60
Alpena	Cheat	.40	.20			.70	.04	.30	.40		.07	.10	.05	T.			.16	.45		.20	T.	T.					T.	.30	.60				3.97
Belington [2]	Tygart	.15	.13	T.		.60	.35	.19	.63	.02	.01	.01	.02	T.	T.		T.	.37	.02	.11	T	T.	T.			T.	T.	T.	.24				2.85
Benson†	West Fork	.16	.10			.92	.02	.52	.23				.05				.05	.53		.08								.02	.06				2.74
Bens Run	Ohio	.02	.04		.20	.77	.03	.34	T.								.29	.18		.03						T.			.02				1.92
Big Skin Creek†	West Fork	.08	.05		.07	.80	.05	.70	.20			.01					.25	.23		.03						T.	T.	.04	.02				2.53
Brownsville†	do	.06	.10			.87	.02	.55	.24								.07	.40		.06									.05				2.42
Buckhannon	Tygart	T.	.07		T.	.95	T.	.62	.30		T.	T.	.10				.15	.30		T.							T.	.05	.10				2.64
Cairo	Litl.Kanawha	.04	.02			.85	.02	.44	.30		.02	.02	T.				.06	.39		.04						T.	T.	T.	.04				2.24
Clarksburg [2]	West Fork	.06	.03			.68	.14	.30	.30				.01				.02	.51		.04									.09				2.18
Crawford	do	.04	.07			.75	T.	.58	.16				.02				.20	.25	.01							T.	T.	T.	.07				2.15
Creston [2]	Litl.Kanawha	.06	.05	T.		.90	.05	.30	.50	T.		.02		T.			.02	.40	T.	.02							T.		.01				2.33
Dailey [2]†	Tygart	.06	.04	T.		.37	.19	.15	.22	T.	T.	T.	T.	.01				.28	.06	.04						T.	T.	T.	.08				1.50
Dam 10, Mon. R. [2]†	Monongahela	.12	.03	T.		.67	.19	.17	.65	T.	T.	.01	.01	.01			T.	.52		.01		T.					T.	T.	.06				2.45
Dam 13, O. R. [2]†	Ohio	.28	.08	.01		.73	.05	.12	.54			.02	T.	T.			.07	.37		.02		.02					.01	T.	.11				2.43
Dam 15, Mon. R. [2]†	Monongahela	.09	.10	T.		.70	.25	.10	.53	T.		T.	T.	T.			T.	.61	.03	T	T.	T.					T.	T.	.05				2.46
Dam 19, O. R. [2]†	Ohio	.01	T.			.55	.04	.16	.17		.04	.06	T.				T.	.54		.01						T.	T.	T.	T.				1.58
Dam 20, O. R. [2]†	do	.05	T.			.44	T.	.30	.15	T.	T.	T.					T.	.45		T.									T.				1.39
Elizabeth (Dam 3) [2]	Litl.Kanawha	.10	T.			.87	.04	.18	.40			.04	T.	T.			.03	.48	T.	.05									T.				2.19
Elk†	West Fork	.08				1.11	.08	.50	.16								.23												.08				2.24
Elkins [1]‡	Tygart	.09	.07		.27	.42	.02	.40	.13		.04	.01	.02	T.			.25	.12	.06	T.	T.	T.				T.	.01	.13	.12				2.16
Fairmont [2]	Monongahela	.07	.10	T.		.98	.13	.14	.35	.02		.18	.02				.05	.57		.05		.03					.02		.15				2.86
Glenville [2]	Litl.Kanawha	.08	T.			.97	.14	.24	.39			T.	.04	T.			.10	.38	T.	.08							T.	T.	.12				2.54
Grafton	Tygart	.21	.09			*	.90		.58				.04					.47		.05									.09				2.43
Hackers Creek†	West Fork	.10	T.			.48	.53	.35	.22								.15	.30		.02									.02				2.17
Hall [2]	Tygart	.04	.11	T.		.54	.26	.26	.57	T.	.02	T.	.05	T.	T.		T.	.42	T.	.06	T.	T.				T.	T.	T.	.11				2.44
Harrison Co. Airport [2]	West Fork	T.	.02			.71	.23	.17	.17	.12		.02	.03	.03			.04	.56	.01	T.	.01	T.	T.				T.	.01	.08				2.21
Hastings	Ohio	.20			.03	1.30	.04	.46	.10		.01	.01					.10	.39		.10	.01		.04					.04	T.				2.83
Horner	West Fork	.15				.93		.37	.20									.47		.10						T.		T.					2.22
Ireland	do	.06				.74	.43	.96	.46								.09	.26		.16						T.	T.	.04	.07				3.27
Jane Lew	do	.04	.05			.84	.07	.38	.22								.07	.40			T.								.07				2.14
Kumbrabow St. For.† [2]	Tygart																																....
Lost Creek (near)	West Fork	.03	T.		.12	.85	.05	.45	.11			T	T.				.21	.29								T.	T.	.04	.02				2.17
Mannington	Monongahela	.12	.08		.06	1.12	.08	.47	.16		.02	.01	.01				.22	.39		.05		T.				T.	.01	.03	.06				2.89
Middlebourne	Middle Is. Creek	.16	T.			.95	.09	.14	.36				T.					.37	T.							T.	T.	T.	T.				2.07
Midvale [2]†	Tygart	.06	.03			.47	.23	.29	.07	.01	.01	T.	.01	.01	T.			.02	.02	.06	T.	.01	T.				.01	.01	.13				1.45
Morgantown	Monongahela	.15			T.	.80	.05	.50				T.					.10	.50	T									.05	.10				2.25
Mt. Clare	West Fork	.02	.03		.04	.80	.02	.40	.08		T.	.02	.03				.02	.43		.04						T.	T.	.05	.04				2.02
New Cumberland	Ohio	.03			.62	.34	.07	.31			.02				.02		.50	.17		.03		T.					T.	.05	.10				2.26
New Martinsville	do		T.		.12	1.01	.05	.35	T.		.07	T.					.25	.30	T.	T.		T.				T.	T.	T.	.06				2.21
Parkersburg [1]‡	do	.06	.01		.51	.14	.09	.17	T.		.04	T.	T.			T.	.47	.01	.04	T.	T.	T				T.	T.	.03	T.				1.57
Parsons	Cheat	.06	.09	.01		.84	.04	.15	.49		.02	.01	.01	T.			.08	.51	T.	.09		T.					.01	.01	.20				2.62
Philippi [2]	Tygart	.03	.04	T.		.58	.23	.15	.47	.01	.01	T.	.03	T.	T		T.	.39	T.	.03	T.	T.	T.			T.	T.	T.	.11				2.08
Pickens	do	.45	.05		.15	.86		.80	.30		.09	.10	T.				.30	.47		.30	T.	T.				T.	.10	.40	.30				4.67
Roanoke	West Fork	.04	T.			.87		.63	.15								.13	63		.01									.03				2.49
Rockford†	do	.07	.03		T.	.80		.34	.10		T.	T.					.20	.28		.02									.10				1.94
Rowlesburg [2]	Cheat	.18	.10	.05		.49	.40	.24	.70	.03		.03	T.	T.				.53	.10	.08							.04	T.	.20				3.17
Saint Marys [2]	Ohio	.18	.08			.86	.10	.28	.53								.06	.38		.06									.10				2.63
Salem	West Fork	.08	.04		.08	.92	.04	.40	.12		T.	.04	T.				.22	.38		.02						T.	T	.02	.04				2.40
Shinnston	do	.03	T.	.01		1.49	.02	.20	T.			T.	.05				.20	.55	.02	T.	.01								.03				2.61
Terra Alta†	Cheat	T.	.27			.82	.08	.50	.43				.09				T.	.47	.20	.14		.04				T.	T.	.06	.33				3.43
Thomas [2]	do	.48	.02	.12		.42	.35	.17	.45									.60	.19	.11							T.	.05	.15				3.11
Valley Chapel	West Fork	.10	.15	.05		1.00	.07	.43	.05		T.	T.	.04				.08	.42		.05						T.	T.	T.	.06				2.50
Valley Head [2]	Tygart	.25	.12	.02		.44	.17	.32	.48	T.		T.	T.	.03				.51	.05	.05		T.	T.				T.	.03	.26				2.73
Vandalia†	West Fork	.20	.19			.94		.45	.16								.25	.22										.10	.16				2.67
Wellsburg (near)	Ohio	T.	T.		T.	.95	.05	.45	T.	T.	.05						.43	.26									T.	T.	T.				2.19
West Milford	West Fork	.09	.10			.95	.12	.35	.20								.15	.37		.11									.12				2.56
Weston [2]	do	.10	.12	.04		.65	.34	.12	.82		T.	.05	T.	T.			.05	.48	.06	.10							T.	T.	.12				3.05
Wheeling (Dam 12) [2]	Ohio	.12	.09			.65	.02	.11	.34		T.		T				.06	.44	T.	.02							.01	T.	.10				1.96
Southern Division																																	
Arbovale [2]	Greenbrier																																....
Beckley	New	.04	.06		.05	.39	.12	.23	.14		.02	T.	.05				.73	.22		.03	T.	T.			.05	T.	T.	.35	.06				2.54
Bluefield	New	*	.15			.10	.50	.05		.02	.02		.05				.14	.38		.05						.40		.10	.05				2.01
Camden-on-Gauley [2]	Gauley	.07	.20	T.		.76		.32	.31	T.			.04	T.				.68		.04								.02	.10				2.54
Charleston [2]	Gr. Kanawha	.02	.14	T.		.37	T.	.06	.40		T.	.05	.02				.02	.79	T.	.05	T.				T.	T.	.01	.05	.08				2.06
Clay [2]	Elk	T.	.06	.04		.60	.05	.15	.38	.02		T.	.02	T.			.14	.49		.04							T.	.01	.14				2.14
Flat Top [4]	New	.05	.01	.05	.45	.04	.27	.16			T.	T.	.02			.18	.66	.03	.04	T.	T.				.03			.15	.03				2.17
Gary [2]	Big Sandy	T.	.10			.21	.02	.10	.03				T.				.10	.50		T.					.05	.25		.10	T.				1.46
Greenbottom [2]†	Ohio	.04			.16	.22	.19	.19	T.		.22	T.					.41	.31	.02	.06						T.	T.	T.	.10				1.92
Hinton [2]	New	T.	.03	.03		.29		.41	.02				.01	T.			.16	.49		T.						T.		T.	.10				1.54
Hogsett [2]	Ohio	.04	.02			.46	T.	.22	.24		.06	.08					.02	.59	.03	.03								T.	.01				1.80
Huntington	do	.01	T.		T.	.20	.25	.25	T.		.20	T.					.50	.14	.03	T.	T.				T.	T.	T.	T.	.12				1.70
nstitute [4]	Gr. Kanawha	.02	.05		.34	.09	.13	.37			.10	.01	T.			.02	.52	.01	.05						T.	.01	T.	.05	.13				1.90
Kayford [2]	do	T.	.03	.03		.42		.41	.40			.05	.05	T.			.25	.45	.03	.02						.08		.02	.23				2.47
Lewisburg	Greenbrier	.02	.03		T.	.18	.20	.16	.09								.52	.23	T.										.15				1.58
Logan [2]	Guyandot	T.	.08	T.		.37	.01	.33	.22	T.	T.	.09	T.	T.			.06	.70	T.							.09	T.	.03	.02				2.00
London Locks [2]†	Gr. Kanawha	.04	.03	T.		.45	.03	.18	.33			.01	.03	T.			.07	.69	.03	.05						.02		.03	.02				2.01
Madison [2]	Coal	T.	.03			.37	.03	.23	.28			.08					T.		.59							.15		.01	.08				1.85
Marlinton	Greenbrier	T.	T.	T.		.67	.38	.16		.06							.31	.51											.10				2.19
Point Pleasant [2]	Ohio	.03	T.	T.		.45	T.	.26	.15		.03	T.		T.	T.		T.	.62		.01							T.	T.	.07				1.62
Princeton [2]	New	.10	.06			.15	.45	.10			.01		.09				.07	.38		T.						.19	T.	.03	.09				1.72
Rainelle	Greenbrier	.08	.30		T.	.46	.95	.33	.16	T.			.05				.43	.37	T.	.07					.05	.01		.12	.34				3.72
Ravenswood [2]	Ohio	.04	T.			.54	.06	.26	.20		T.	.10					T.	.57		.05								T.	T.				1.82
Richwood [2]	Gauley	.12	.13	.05		.36	.12	.46	.40	.04			.05	.03				.30	.05	.08	.03						.02	.04	.30				2.58

Continued on next page.

Daily Precipitation for February 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.10	.10	....	.10	.31	.03	.32	....	....	.07	....	....	....	....	....	.36	.14	.03	.05	....	....	....	....	....	....	....	.05	.03	....	....	....	1.69
Seneca State Forest†	Greenbrier	.05	....	....	....	*	.92	.07	....	....	....	....	....	....	....	....	.09	.68	....	....	....	....	....	....	....	....	....	....	.30	....	....	....	2.11
Spencer [2]	Litl.Kanawha	.05	....	....	....	.74	....	.22	.15	....	.05	.28	T.	T.	.09	....	.04	.45	T.	.10	.08	....	....	....	....	T.	T.	T.	.10	....	....	....	2.35
Summersville [2]	Gauley	.20	.20	....	....	.60	....	.50	.50	....	....	....	.05	....	....	T.	.56	....	....	.03	....	....	....	....	....	....	....	*	.15	....	....	....	2.79
Sutton	Elk	*	.10	....	....	.75	....	.40	.30	....	....	.08	T.	....	....	....	.10	.53	....	.10	T.	....	....	....	....	T.	T.	T.	.10	....	....	....	2.46
Thornwood [2]	Greenbrier	.21	.18	.04	....	.61	.31	.62	.20	....	....	.07	.09	....	....	....	.08	.65	....	T.	....	....	....	....	....	....	....	T.	....	....	....	....	3.06
Union [2]	New	*	.05	....	....	.11	....	.49	.05	....	....	....	....	....	....	....	.17	.55	....	....	....	....	....	....	....	.04	....	....	.10	....	....	....	1.56
Wayne [2]	Twelvepole	.09	....	....	....	.29	.07	.27	.19	....	.11	.02	....	....	....	....	.01	.52	....	....	....	....	....	....	....	.10	....	....	.02	....	....	....	1.69
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	....	.25	....	.35	.05	....	....	....	....	....	....	....	.25	.60	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	1.60
Williamson [2]	Big Sandy	.05	.03	.02	....	.23	.01	.26	.17	....	T.	.12	....	T.	....	....	.07	.68	T.	.02	....	....	....	....	....	.10	....	.01	.04	....	....	....	1.81
Winfield Locks [2]†	Gr Kanawha	.02	T.	....	....	.40	....	.09	.25	....	.01	.07	.01	....	....	....	.06	.56	....	.02	....	....	....	....	....	....	....	T.	.01	....	....	....	1.50

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for February 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	25	*19*	25	45	41	40	35	*27*	38	35	26	26	25	40	51	55	44	43	*21*	15	21	20	35	39	22	27	24	28	....	....	....	31.9
	Minimum	19	9	−6	−5	0	27	27	19	−7	−5	18	10	5	10	15	29	4	21	−3	−1	−1	8	0	0	7	14	16	19	....	....	....	8.9
Beckley	Maximum	33	30	25	35	46	49	45	43	39	39	38	30	32	43	49	53	52	45	40	25	22	32	40	40	33	33	29	27	....	....	....	37.4
	Minimum	20	12	5	19	32	33	22	19	4	30	22	17	6	22	25	38	41	25	4	6	9	14	12	26	17	19	20	22	....	....	....	19.3
Bluefield	Maximum	..	43	30	46	49	48	44	..	45	45	38	28	32	43	..	51	55	47	46	23	21	34	..	..	32	29	29	28	....	....	....	38.5
	Minimum	..	15	4	27	33	34	30	..	13	33	27	21	13	26	..	27	38	30	10	10	11	16	..	..	19	20	20	24	....	....	....	21.8
Brandywine	Maximum	42	22	30	47	48	49	45	35	40	42	40	32	35	48	58	54	55	47	37	31	30	36	48	42	40	38	37	40	....	....	....	41.0
	Minimum	22	12	−3	3	28	22	28	21	3	16	25	18	3	10	19	31	35	18	5	7	9	3	3	12	14	16	15	22	....	....	....	14.9
Buckhannon	Maximum	42	32	20	47	47	57	50	38	28	40	38	30	31	41	55	60	57	43	40	22	28	33	40	41	36	31	30	34	....	....	....	39.0
	Minimum	22	14	−6	5	25	28	25	20	−4	23	25	16	4	13	25	36	32	18	4	8	14	9	9	19	20	20	23	23	....	....	....	16.8
Cairo	Maximum	51	30	30	45	46	55	55	34	33	38	40	34	36	44	54	61	60	40	41	27	29	33	40	44	42	34	33	33	....	....	....	40.8
	Minimum	27	19	2	9	40	28	33	25	5	29	28	23	8	17	25	38	36	29	7	3	12	7	8	23	25	19	28	29	....	....	....	20.8
Charleston (Airport)	Maximum	32	28	37	48	56	62	41	34	38	44	36	36	39	53	58	64	56	46	25	30	32	41	45	39	35	35	34	35	....	....	....	41.4
	Minimum	23	10	6	18	31	33	32	17	12	30	29	14	11	22	24	41	33	12	4	10	10	11	14	27	25	27	28	30	....	....	....	20.9
Clarksburg [3]	Maximum	29	*28*	24	46	45	54	37	*31*	35	39	33	31	32	43	55	61	45	41	*27*	22	27	34	41	41	33	32	31	34	....	....	....	36.8
	Minimum	28	18	0	1	9	30	31	27	9	9	30	22	9	5	13	29	40	27	7	4	4	9	9	10	21	25	25	27	....	....	....	17.1
Elkins	Maximum	29	19	25	48	45	52	42	28	38	39	35	25	27	40	53	54	59	44	16	18	24	31	39	45	25	28	27	27	....	....	....	35.1
	Minimum	19	9	−7	1	37	30	28	16	2	27	24	17	4	18	28	39	31	17	5	8	13	13	9	20	19	21	24	24	....	....	....	17.7
Fairmont [3]	Maximum	28	*27*	28	47	45	52	39	*34*	33	38	30	32	35	45	54	60	40	41	*28*	22	27	35	45	44	28	35	30	33	....	....	....	37.0
	Minimum	27	18	0	1	12	34	34	26	8	9	29	19	12	13	17	34	40	28	8	6	9	10	12	13	22	22	25	26	....	....	....	18.4
Flat Top	Maximum	26	17	30	42	44	43	39	25	36	34	34	22	27	43	49	47	51	43	34	18	21	30	41	34	24	24	24	25	....	....	....	33.1
	Minimum	16	10	−10	16	30	30	25	15	5	28	20	15	10	21	24	37	30	25	1	4	6	12	18	23	16	16	17	20	....	....	....	17.5
Gary [3]	Maximum	28	*26*	37	59	55	55	..	36	54	43	34	*33*	37	48	56	63	46	51	*34*	27	31	39	48	34	32	31	32	..	....	....	....	41.1
	Minimum	26	19	3	3	28	32	34	..	13	14	33	26	10	10	21	26	39	34	14	9	8	9	14	20	17	19	25	25	....	....	....	19.7
Glenville	Maximum	38	29	33	49	50	56	54	35	39	41	40	35	38	49	58	61	58	47	42	28	34	39	45	46	43	35	33	35	....	....	....	42.5
	Minimum	27	20	5	12	40	29	33	25	3	27	29	23	11	20	25	39	36	29	8	9	16	10	11	25	25	23	29	29	....	....	....	22.1
Grafton	Maximum	47	27	27	47	48	50	50	33	37	40	40	30	33	44	55	56	56	43	42	21	29	36	42	43	40	31	32	32	....	....	....	39.7
	Minimum	20	12	−10	3	35	28	27	19	0	23	24	14	6	10	24	33	31	24	3	1	12	5	4	17	18	20	23	23	....	....	....	16.
Huntington	Maximum	35	33	37	45	56	62	54	38	38	43	41	39	43	54	55	56	57	45	29	32	37	44	46	40	39	36	36	38	....	....	....	43.1
	Minimum	28	22	11	22	41	32	33	31	18	30	31	23	16	26	27	43	37	29	13	15	14	16	19	27	28	28	30	31	....	....	....	25.8
Lewisburg	Maximum	36	24	30	46	45	43	43	31	42	38	37	28	34	48	51	49	52	46	43	24	27	36	47	40	35	32	32	31	....	....	....	38.2
	Minimum	22	15	4	16	32	29	30	19	10	29	32	20	11	21	23	37	35	26	7	10	11	16	13	28	21	21	23	24	....	....	....	20.9
Logan [3]	Maximum	33	*31*	38	48	60	60	36	37	47	43	35	38	44	48	58	63	46	49	*34*	31	40	45	48	36	38	34	35	38	....	....	....	42.6
	Minimum	31	21	9	9	26	34	35	34	18	18	34	28	16	16	25	30	46	34	14	13	12	12	20	20	26	27	28	29	....	....	....	23.8
Madison [3]	Maximum	31	27	35	48	58	37	38	33	33	43	33	35	22	54	60	66	45	48	27	30	16	43	50	35	37	33	32	30	....	....	....	38.8
	Minimum	27	19	5	7	22	30	35	31	14	14	30	25	11	12	20	29	43	32	7	8	8	11	15	16	25	21	29	27	....	....	....	20.5
Mannington	Maximum	35	26	25	44	45	53	50	34	33	37	38	31	32	44	53	59	56	38	36	23	27	35	41	40	35	32	32	34	....	....	....	38.
	Minimum	25	16	−9	4	38	31	32	24	5	26	27	18	8	12	25	36	36	27	8	−1	16	5	7	19	22	22	26	27	....	....	....	19.
Marlinton	Maximum	53	43	33	45	45	45	40	33	48	44	36	30	33	47	56	52	53	44	43	24	27	35	49	44	43	33	30	43	....	....	....	41.
	Minimum	21	12	4	9	30	27	30	20	5	20	27	18	6	14	17	33	37	23	5	10	10	15	9	24	20	17	22	24	....	....	....	18.
Martinsburg [3]	Maximum	38	*33*	25	38	43	40	43	40	35	33	38	34	38	45	58	48	52	45	30	25	32	40	45	42	42	42	41	44	....	....	....	39.
	Minimum	33	20	8	9	15	33	33	33	16	17	24	24	19	20	23	30	34	30	15	13	12	18	21	20	22	26	31	29	....	....	....	22.
Morgantown	Maximum	40	23	22	43	43	50	43	28	28	37	35	33	28	47	51	58	52	38	30	21	25	32	38	36	33	38	32	31	....	....	....	36.
	Minimum	23	14	−1	10	28	35	28	22	4	22	25	13	15	22	35	45	32	30	7	7	14	11	12	18	22	17	22	24	....	....	....	19.
New Cumberland	Maximum	37	25	26	43	44	53	46	34	33	36	37	29	33	42	51	50	55	37	32	23	25	32	35	39	36	35	35	34	....	....	....	37.
	Minimum	23	14	1	15	36	35	32	20	7	27	24	14	11	13	32	37	34	23	5	6	15	10	11	14	18	17	26	25	....	....	....	19.
New Martinsville	Maximum	35	28	27	44	45	54	53	33	33	38	40	33	37	45	55	54	56	39	37	26	30	37	41	40	40	37	35	36	....	....	....	39.
	Minimum	27	16	1	11	40	32	33	24	10	29	29	21	12	14	29	39	37	28	9	6	17	11	11	22	25	27	27	28	....	....	....	22.
Parkersburg	Maximum	31	24	28	44	46	57	45	33	32	41	34	31	37	46	55	58	56	39	22	25	29	37	39	39	31	33	33	34	....	....	....	38.
	Minimum	24	14	9	18	35	30	32	20	14	30	26	20	15	24	35	45	33	14	10	13	18	15	15	24	26	28	29	30	....	....	....	23.
Pickens	Maximum	45	33	28	45	40	42	41	35	41	36	34	24	31	39	51	52	53	42	32	25	24	31	42	43	36	27	24	24	....	....	..	36.
	Minimum	28	−7	−12	8	33	27	25	14	−3	30	21	−4	−5	13	24	35	28	25	−1	5	8	4	12	22	16	16	19	20	....	....	....	14.
Point Pleasant	Maximum	35	28	34	41	48	64	64	35	36	42	43	43	41	50	55	55	55	49	43	31	35	39	41	42	40	40	35	34	....	....	..	42.
	Minimum	28	22	8	16	39	27	33	28	13	29	30	23	13	22	26	42	39	31	10	13	15	13	23	25	27	27	29	30	....	....	....	24.
Rainelle	Maximum	35	21	33	40	50	46	42	29	40	39	35	26	32	45	53	51	51	44	41	23	25	34	43	40	30	26	27	27	....	....	....	36.
	Minimum	20	13	−7	9	32	28	28	20	2	26	25	17	−1	16	18	35	32	26	0	5	10	13	7	28	18	19	21	23	....	....	....	17.
Ravenswood	Maximum	41	31	32	47	49	60	57	35	34	41	43	35	38	48	56	61	58	45	46	46	32	38	42	43	40	38	35	39	....	....	....	43.
	Minimum	26	20	8	16	39	26	33	26	11	29	28	21	12	22	26	43	30	29	10	21	19	11	12	24	26	23	29	31	....	....	....	23.
Richwood [3]	Maximum	24	*23*	30	45	46	47	35	*33*	52	47	43	24	30	43	54	55	49	45	*28*	22	25	33	43	41	26	28	27	34	....	....	....	36.
	Minimum	23	16	0	3	14	29	33	24	7	9	5	11	5	5	23	27	45	28	4	4	11	12	13	12	20	20	21	23	....	....	....	16.
Romney	Maximum	43	30	29	40	41	46	53	50	52	43	41	39	35	44	58	55	47	49	44	24	29	37	44	46	42	38	36	38	....	....	....	41.
	Minimum	29	12	7	7	16	10	21	22	21	18	21	23	19	17	20	35	35	24	11	12	17	18	15	13	24	28	30	33	....	....	....	19.
Spencer [3]	Maximum	*41*	*26*	31	47	48	57	36	36	32	41	30	32	37	48	58	60	45	*45*	*29*	28	32	38	42	40	32	33	32	32	....	....	....	38.
	Minimum	26	20	5	14	40	27	35	26	7	29	30	23	11	21	25	43	45	29	6	10	15	10	12	25	24	22	26	28	....	....	....	22.
Sutton	Maximum	40	28	50	50	55	59	59	35	32	40	40	31	34	46	53	55	38	47	47	25	30	37	44	44	43	32	32	32	....	....	....	41.
	Minimum	28	20	11	40	29	28	30	26	1	15	30	23	8	17	24	38	36	30	6	9	16	8	10	26	24	24	27	28	....	....	....	21.
Wardensville [3]	Maximum	34	*30*	32	47	51	45	46	31	38	37	37	32	35	46	58	59	55	47	25	24	30	37	45	42	40	39	35	38	....	....	....	39.
	Minimum	30	18	2	5	14	26	30	30	13	16	25	23	16	16	18	23	36	23	11	11	13	18	10	11	17	25	27	29	....	....	....	19.
Weston	Maximum	35	26	30	48	48	56	54	41	32	39	34	33	35	45	58	61	60	48	32	22	30	38	44	41	38	33	31	34	....	....	....	40.
	Minimum	25	20	−1	10	42	30	40	29	5	28	31	25	10	19	36	40	45	32	10	10	19	11	12	24	23	25	27	28	....	....	....	23.
Wheeling [3]	Maximum	30	34	25	45	45	52	39	*38*	30	36	31	31	33	42	48	51	45	*39*	*29*	24	30	34	39	38	29	34	34	34	....	....	....	36.
	Minimum	27	16	1	2	15	35	38	26	10	9	28	19	14	14	16	35	39	29	8	9	10	16	12	14	18	24	27	27	....	....	....	19.
Williamson [3]	Maximum	30	28	36	49	60	58	38	41	48	43	34	34	43	53	54	60	46	49	*36*	33	31	43	47	36	38	34	35	37	....	....	....	41.
	Minimum	28	22	12	13	26	35	36	34	21	21	33	29	20	20	24	30	45	35	15	15	15	15	20	23	27	26	28	29	....	....	....	24.

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 3-27-42—925)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

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VOL. L PARKERSBURG, W. VA., MARCH 1942 No. 3

GENERAL SUMMARY

The month was slightly above normal in temperature. The first week and the last day of the month were rather cool. A warm period occurred on the 16–17th. Temperature of zero or lower occurred at but one station.

The average precipitation for the State was slightly below normal; however, the northeastern panhandle division, the central part of the southern division, and the extreme northwestern part of the State had plus departures. The north-central portion of the State and a few scattered localities in the southern section had deficiencies averaging about one inch.

The average snowfall of 15.5 inches was 9.4 inches above the normal and was the fourth greatest monthly total for any March of record. The greatest number of snow-lying days was 19 at Spruce Knob. One of the heaviest snows of the winter occurred on the 2–3d, blanketing the State with from about four inches along the southwestern border to twenty-four inches in the mountains of Randolph county. The snow was wet and sticky, causing power and telephone lines to break. The four main transmission lines of the Appalachian Power Company, two from the east and two from the west, snapped and caused a total blackout in the Great Kanawha valley for a distance of about twenty miles around Charleston. Power was off for 12 hours during the night of the 2d and the morning of the 3d. Schools were closed and highway traffic suspended until roads could be cleared, the State using 300 snow plows and 200 power graders before the task was accomplished. In four or five days in most cases the snow was practically all gone due to warmer weather.

Winter grains and grasses advanced normally and the end of the month saw ground preparation for Spring crops well under way though handicapped by shortage of farm labor and in some localities by wet ground. Early garden and truck crops were being planted while plum, cherry, and peach buds were beginning to swell at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 44.1°, or 1.7° above the normal. The mean for the northeastern panhandle division was 42.6°; for the northern division, 43.8°; and for the southern division, 44.8°. The highest monthly mean was 49.8° at Huntington and the lowest, 35.2° at Bayard. The highest temperature was 89° at Madison on the 16th; and the lowest, 0° at Bayard on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 122 stations, was 3.64 inches, or 0.25 inch below the normal. In the northeastern panhandle division the average was 3.49 inches; in the northern division, 3.51 inches; and in the southern division, 3.87 inches. The greatest monthly precipitation was 7.63 inches at Pickens, and the least, 1.66 inches at Harrison County Airport. The greatest amount in any 24 consecutive hours was 2.42 inches at Wellsburg on the 3d. The average monthly snowfall was 15.5 inches, or 9.4 inches above the normal. The greatest monthly snowfall was 43.2 inches at Pickens. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	1	1	..	..	1	4	2	..	..	2	2	1	4	4	6	..	..	..	2	1	1	1	..	..	2	..	4	11	2	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	2	10	5	1	..	2	8	24	17	7	2	..	..	..	8	20	7	8	5	7	27	29	4	..	1	3	1	..	..	5
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	3	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..
Halos, solar	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	1	..	3	1	..	6	6	9	16	..	..	..	..	1	..	..	..	1	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.89	30.28	1	29.01	8	9.7	33	w.	9	80	56	61	50
Columbus, Ohio	29.88	30.25	1	28.98	8	12.1	51	s.	16	78	60	68	47
Elkins	29.92	30.27	25	29.00	9	8.7	30	w.	22	81	53	64	47
Huntington Airp't	29.91	30.28	1	29.12	8	......	37	sw.	9	79	51	59	....
Parkersburg	29.90	30.27	1	29.04	8	7.6	32	nw.	22	75	53	58	38
Pittsburgh, Pa	29.88	30.24	25	28.90	9	13.5	46	sw.	9	78	59	70	42

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	..	....	5.52	5.24	5.46	4.91	......	..	..	...	..
1892	36.4	87	8	4.08	3.24	3.73	3.50	......	..	..	...	..
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	......	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	......	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	6.58	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	52.7	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	−18	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
Period	42.4	94	−18	3.04	4.02	4.09	3.89	6.1	12	11	7	13

Climatological Data for March 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	35.2	−2.5	70	17	0	2	3.50	−1.01	1.30	3	27.0	12	17	4	10	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	44.3	......	80	16	18	3	3.44	......	1.60	29	24.0	5	23	0	8	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	40.9	−0.5	72	17	10	2	3.24	+0.77	1.20	3	12.0	7	17	0	14	s.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	....	....	....	....	5.13	+2.08	2.00	29	14.5	11	....	....	....	......	Miss Eleanor White
Inwood	Berkeley	569	10	44.0	......	79	17	24	1	4.26	......	1.25	3	16.0	8	10	14	7	nw.	H. W. Prettyman
Kearneysville	Jefferson	548	12	45.0	+3.0	78	17	22	2	3.61	+0.29	1.35	3	....	8	10	16	5	w.	University Exper. Station
Martinsburg	Berkeley	435	50	44.4	+2.8	80	17	25	§2	3.32	+0.06	1.20	3	22.0	11	22	8	1	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	43.1	+2.1	80	17	10	2	3.79	+1.20	2.05	3	15.0	5	10	13	8	w.	R. E. Saville
Piedmont	Mineral	1,053	29	41.9	+0.7	77	17	19	1	3.50	+0.52	1.23	28-29	14.5	13	9	12	10	s.	C. A. Suter, Jr.
Romney	Hampshire	824	44	45.3	+2.9	80	17	18	2	....	......	1.33	29	16.0	....	12	9	10	......	Miss Lucille Keister
Stony River Dam	Grant	3,300	22	....	......	....	....	....	....	....	......	....	....	....	....	....	....	....	......	A. C. Becker
Wardensville	Hardy	1,200	21	41.6	−0.3	77	17	16	2	3.96	+1.76	1.79	3-4	24.5	10	4	15	12	sw	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	....	....	....	....	2.46	−1.33	1.00	3	13.8	12	2	18	11	w.	L. Esle Bond
Alpena	Randolph	2,571	11	38.7	+3.0	71	17	6	2	6.16	+0.53	2.40	3	41.0	16	8	12	11	......	Christian Hertig
Benson	Harrison	1,080	18	44.8	+4.5	77	17	19	2	3.59	+0.13	1.65	3	25.0	11	7	16	8	......	R. D. Marts
Bens Run	Pleasants	652	40	45.4	+1.9	81	16	24	4	4.17	+0.13	1.08	3	15.0	13	19	5	7	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	39.2	......	69	17	15	2	5.08	......	1.21	9	18.0	11	....	....	....	......	James I. Galloway
Brownsville	Lewis	1,032	19	47.0	+5.1	78	16	20	2	2.63	−0.84	.85	3	16.0	11	11	14	6	......	M. D. Hawkins
Buckhannon	Upshur	1,411	45	43.0	+1.1	76	16	19	2	3.55	−0.96	1.45	3	16.5	11	17	7	7	......	H. A. Darnall
Cairo	Ritchie	680	41	45.1	+0.8	82	17	14	4	4.03	+0.21	1.85	3-4	11.0	11	6	12	13	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	41.9	+2.2	77	17	22	§2	2.06	−0.96	.46	3	17.5	10	10	16	5	w.	Clarksburg Water Board
Creston	Wirt	640	40	46.8	+2.8	80	16	22	4	3.16	−0.94	1.23	3-4	10.0	11	11	4	16	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	....	....	....	....	3.06	−0.71	1.14	3-4	9.0	14	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	....	....	....	....	3.58	+0.15	.89	14	14.0	12	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	....	....	....	....	2.69	−0.45	.70	3	10.0	12	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	....	....	....	....	3.04	−0.50	.94	14	6.0	13	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	....	....	....	....	2.61	−1.10	.90	14	3.0	7	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	....	....	....	....	3.85	+0.10	.93	17	10.0	12	....	....	....	......	Lockmaster
Elkins	Randolph	1,927	41	42.3	+2.3	70	17	14	2	3.61	−0.19	1.33	2-3	15.6	18	2	6	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	36	44.9	+3.4	78	16	25	§2	3.43	−0.54	1.20	3	17.2	12	9	7	15	w.	J. C. Robinson
Glenville	Gilmer	738	48	47.5	+2.8	80	§16	22	4	3.02	−1.27	1.12	3	22.5	10	11	11	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	44.1	+2.6	76	§16	18	2	2.78	−0.98	....	....	11.7	11	13	8	10	......	L. W. Clayton
Grantsville	Calhoun	900	1	46.5	......	75	§16	....	....	....	......	....	....	....	..	....	....	....	......	James Roberts
Hastings	Wetzel	809	7	....	......	....	....	....	....	4.19	......	1.60	3	22.1	15	10	10	11	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	....	....	....	....	3.24	−0.02	1.35	3	14.0	14	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	......	....	....	....	....	....	......	....	....	....	..	....	....	....	......	Chas. H. Washburn
Mannington	Marion	974	39	43.6	+1.3	78	16	20	7	3.71	−0.32	1.43	3	17.0	18	7	10	14	w.	James A. Morgan
Middlebourne	Tyler	750	1	41.9	......	79	16	18	§4	4.27	......	....	....	16.0	9	10	5	16	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	49	44.8	+2.7	71	18	26	§1	2.65	−0.74	1.20	3	15.3	9	11	13	7	......	State Horticultural Farm
New Cumberland	Hancock	671	44	42.8	+3.4	70	§17	20	25	4.78	+1.54	1.03	3	10.0	13	7	2	22	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	45.5	+2.2	72	17	22	4	4.09	+0.30	1.46	3	12.0	13	11	8	12	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	45.4	+2.6	81	16	26	4	3.14	−0.35	.95	13-14	6.7	14	5	12	14	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	44.4	+3.9	73	17	13	2	3.71	−0.50	.91	3	17.4	16	5	14	12	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	....	....	....	....	2.62	−1.52	.88	3	13.7	12	....	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	40.7	+1.5	71	27	12	2	7.63	+1.72	2.40	3	43.2	17	11	9	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	....	....	....	....	2.95	−0.67	1.70	3	17.0	14	9	12	10	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	....	......	....	....	16	2	3.79	−1.06	.64	22	12.2	13	7	2	22	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	....	....	....	....	4.19	+0.27	1.66	14	13.0	9	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	41	39.8	+1.9	69	17	14	2	3.01	−1.43	.80	3	12.6	12	6	17	8	w.	Earl Lee
Thomas	Tucker	3,000	13	....	......	....	....	..	....	4.85	−0.26	1.00	4	27.0	15	....	....	....	..	W. Sleeman
Valley Chapel	Lewis	1,011	19	46.2	+3.7	78	§16	22	§2	3.49	−0.20	1.43	3	15.0	11	11	9	11	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	42.0	+2.2	72	27	20	24	6.20	+3.01	2.42	3	15.0	10	9	8	14	......	George P. Pfister
West Milford	Harrison	979	17	....	......	....	....	....	....	3.60	+0.06	1.43	3	15.0	11	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	47	47.4	+3.6	78	16	24	2	4.17	−0.11	1.40	3	20.8	12	3	22	6	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	41.8	+1.3	67	16	26	§2	4.07	+0.79	.92	14-15	13.2	11	5	12	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	....	..	....	4.29	+0.48	....	....	15.0	11	5	12	14	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	43.0	+0.4	72	§15	19	29	3.39	−0.38	.78	17	16.4	15	9	10	12	......	L. A. Mauck
Bluefield	Mercer	2,558	47	45.4	+1.0	73	16	23	3	3.28	+0.16	....	....	19.5	13	10	6	15	......	Norfolk & Western Ry.
Charleston	Kanawha	602	39	....	......	..	....	..	....	4.98	+0.48	2.18	3	11.2	16	..	..	....	......	Charleston Daily Mail
Flat Top	Mercer	3,270	4	39.6	......	70	15	14	§1	4.31	......	.97	17	20.5	13	5	11	15	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	45.2	+2.7	83	16	23	29	4.10	−0.06	....	....	14.1	14	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	47.6	...	82	17	25	§2	2.72	......	.61	16-17	2.5	12	4	8	19	sw.	State Forest Nursery
Hinton	Summers	1,431	45	45.6	+1.5	83	15	23	2	3.75	−0.15	1.05	3	7.0	12	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	49.8	+4.8	84	16	29	§2	3.23	−0.99	.66	16-17	4.1	14	4	13	14	sw.	H. N. Robinson
Institute	Kanawha	606	4	46.1	......	85	16	24	24	4.51	.....	1.90	2-3	10.0	15	4	8	19	w.	Civil Aero. Administration
Kayford	Kanawha	1,335	26	....	......	..	....	..	....	5.63	+0.99	1.75	3	32.0	13	..	.	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	43.9	+1.8	73	§15	21	2	2.30	−1.34	.65	3	9.0	13	8	9	14	......	J. K. Monroe
Logan	Logan	700	39	47.7	−4.6	86	16	28	2	5.12	+0.40	1.60	3	11.0	15	5	11	15	......	Paul A. Simonds
London Locks	Kanawha	623	6	46.8	......	77	§15	26	2	4.31	......	1.52	3	13.5	15	4	16	11	e.	Lockmaster
Madison	Boone	675	21	45.8	+3.1	89	16	24	2	4.62	+0.44	1.71	3	12.0	11	8	9	14	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	42.8	+4.9	75	15	14	2	4.02	−0.56	.84	3	11.7	10	5	13	13	s.	Edward A. Moore
Oak Hill	Fayette	1,950	..	42.6	......	73	15	22	§29	3.44	......	.90	3	22.0	13	14	7	10	.....	W. E. Holy
Pineville	Wyoming	1,350	2	48.3	......	84	16	24	§7	4.51	......	1.15	3	....	11	9	10	12	......	Charles Dameron
Point Pleasant	Mason	595	43	48.3	+3.1	79	16	25	§24	2.84	−1.25	.63	14	4.5	12	4	12	15	w.	E. C. Winger
Rainelle	Greenbrier	2,424	12	41.8	+2.5	72	25	14	7	4.86	−0.69	1.46	3	23.0	17	9	7	15	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	47.2	+3.9	81	17	24	§2	2.90	−0.99	.90	14	5.0	12	6	8	17	nw.	Lockmaster
Richwood	Nicholas	2,193	12	41.4	+0.6	71	15	16	2	4.29	−1.21	1.00	3	16.0	16	6	14	11	nw.	Cherry River Paper Co.
Ripley	Jackson	610	..	47.7	......	82	16	24	§2	2.35	......	....	....	10.5	9	8	8	15	sw.	Sattis Simmons
Ryan	Roane	700	39	45.4	+2.6	82	16	20	§24	4.17	−0.19	1.94	3	20.4	12	8	10	13	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	39.6	......	70	16	4	2	3.48	......	....	....	14.0	13	8	13	10	w.	Supt., State Forest
Spencer	Roane	789	38	46.3	+3.4	81	16	21	31	3.34	−0.73	1.08	3	15.0	14	4	16	11	......	A. M. McKown
Summersville	Nicholas	1,900	6	41.4	......	73	§15	17	7	2.73	......	.75	5	....	12	12	9	10	......	A. E. Dorsey
Sutton	Braxton	850	36	46.5	+2.3	75	§16	23	2	4.18	−0.16	1.43	3	16.0	13	16	14	1	......	C. B. Eakle
Union	Monroe	2,200	38	40.8	−2.6	74	15	18	§2	2.48	−1.07	.70	28	7.5	11	11	0	20	......	C. B. King
Webster Springs	Webster	1,500	10	45.4	......	73	§15	21	2	4.07	......	1.48	3	19.3	17	3	16	12	n.	Miss Annie Laurie Criss
White Sulphur Springs	Greenbrier	1,914	32	41.7	−0.9	77	15	17	§2	3.38	−0.19	.80	2	10.0	12	18	3	10	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	42	48.2	+1.5	85	16	29	§2	4.92	+0.38	1.51	3	8.0	13	8	15	8	nw.	J. E. Dotson
Winfield Locks	Putnam	571	4	46.4	......	83	16	26	2	3.20	......	.87	2-3	10.0	15	7	13	11	sw.	Lockmaster
State averages and	extremes	....	....	**44.1**	**+1.7**	**89**	**16**	**0**	**2**	**3.64**	**−0.25**	**2.42**	**3**	**15.5**	**12**	**9**	**10**	**12**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ᵃ one day, ᵇ two days etc. § Also on other dates.

Daily Precipitation for March 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard²	Potomac			1.30	.27	T.			.15		.07		.12		.46			.20		.03			.03	.02					.60	.25			3.50
Brandywine	do			1.20						.52					.04			.24				.05	.06						1.13	T.	T.		3.24
Brushy Run²	do			1.37						.22			T.		.11			.15		T.			T.						.87	.33			3.05
Harpers Ferry²	do			1.31	.36		.02			.16					.14			.08					.27						.16	2.00	.48	.15	5.13
Inwood	do			1.25						.25					.25							.15	.10						.80	1.15		.31	4.26
Kearneysville	do			1.35			T.			.25					.21							.10	.04						.65	.96	.05		3.61
Knobly Mountain²†	do			.95						.23	T.				.24			.12		T.			.22	T.					.84	.87		T.	3.47
Martinsburg²	do	T.		1.20			.05			.20	T.				.25			.05				.10	.20	T.					.20	.80	.02	.25	3.32
McNeill†	do		T.	2.05			T.			T.					.15		T.	T.				.14							1.30	.15	T.		3.79
Petersburg	do			.50						.15					.10		.01	.07				.08							1.08	.11			2.10
Piedmont	do			1.20						.15	.07		.01		.30		.02	.19		.02		.12		.18					1.05	.18		.01	3.50
Romney	do			.80																		.30							*	1.33	.20		‖‖
Spruce Knob²†	do	T.		.28	.16		T.			.34	.12		.22		.28	T.		.37	T.	T.			.27	T.					.22	T.		.10	2.36
Stony River Dam²†	do																																
Wardensville²	do			1.73	.06		.03			.15	T.				.07			.11					.10						.70	.95		.06	3.96
Northern Division																																	
Aberdeen†	West Fork	T.	T.	1.00	.08		T.		.02	.29	T.		.27		.21		T.	.11	T.	.06		.06	.06						.20	T.		.10	2.46
Alpena	Cheat		.20	2.40	.60				.40	.20	.10		*		.84	.02	.03	.18	T.	T.		.25	.17						.52	.05	T.	.20	6.16
Belington²	Tygart	T.	T	.72	.82		T.	T.		.25	.17	T.	.25		.35	T.		.41	T.	.03	T.		.56	T.					.38	.05		.13	4.12
Benson†	West Fork			1.65	.10					.45			.30		.46		T.	.15		.12		.05	.14						.15			.02	3.59
Bens Run	Ohio		.06	1.08	.22				.15	.29		.40	.50	.10	.86		.02	.25	T.			.09							.15				4.17
Big Skin Creek†	West Fork		.12	1.12					.18	.07	T.		.21		.25	T.	T.	.18	T.	.10	T.	.10	.06						.20		.02	.10	2.71
Brownsville†	do		.07	.85	.10	T.				.35			.31		.53			.02		.11		.04							.21			.04	2.63
Buckhannon	Tygart	T.	.05	1.45	.20			T.	T.	.15			*		.52			.04		.20		.30							.42		T.	.22	3.55
Cairo	Litl.Kanawha		T.	1.82	.03					.33	.05	.03	.47		.80			.32				.05	.05						.08			T.	4.03
Clarksburg²	West Fork			.46	.23					.30			.23		.37	.02		.14		.06			.17						.08				2.06
Crawford	do		.15	1.67	.07					.22			.30		.28	.01	.02	.32	.03	.07		.14	.07						.26			.13	3.74
Creston²	Litl.Kanawha	T.	T.	1.08	.15		.02			.22	.05		.30		.59			.40	T.	.05		T.	.12	T.					.18			T.	3.16
Dailey²†	Tygart	T.		.57	.15					T.	.03	T.	.35		.24	.04		.14		T.			.29	T.					.48	.05		.07	2.41
Dam 10, Mon. R.²†	Monongahela.			.84	.30					.28	.15		.42		.40	.03		.04		.07			.21	.03					.23	.05		.01	3.06
Dam 13, O. R.²†	Ohio			.64	.50	.08	.01			.36	.02		.84		.89	.08				.04			.07						.05			T.	3.58
Dam 15, Mon. R.²†	Monongahela			.07	.32					.25	.05		.49		.33	.05		.06		.04			.20						.15	.05		T.	2.69
Dam 19, O. R.²†	Ohio	T.		.30	.15		.05			.33	.02	T.	.60	T.	.94			.31		.03		.03	.12						.14			.02	3.04
Dam 20, O. R.²†	do			.30			T.			.30			.65	T.	.90			.30		T.		.06	.10									T.	2.61
Elizabeth (Dam 3)²	Litl.Kanawha	T.		.75	.25		.02			.33	T.		.42		.90	T.		.93	T.	.02		.06	.03						.12			.02	3.85
Elk†	West Fork			1.02						.30	T.				.30	T.		.40		.11		T.							.28		T.	.12	2.53
Elkins¹‡	Tygart	T.	.37	1.16	.01		.01		.04	.14	T.	.33	.07	T.	.27	T.	T.	.21	.01	.04		.44	T.	T.				.11	.30	.02	.04	.04	3.61
Fairmont²	Monongahela.			1.20	.40				T.	.35	T.		.40		.35			.08		.07		.05	.18						.18	.05		.12	3.43
Glenville²	Litl.Kanawha	T.		1.12	.51		T.			.29	.07		.34		T.			.14	T.	.06		T.	.19						.09			.21	3.02
Grafton	Tygart			*	1.38						.23		.26		.27			.08		.02		.03	.11							.34		.06	2.78
Hackers Creek†	West Fork		.01	.90						.34			.29		*			.50		.01		.08							.32			.06	2.51
Hall²	Tygart	T.	T.	.69	.54		T.			.14	.03	T.	.23		.29	T.		.29	T.	.02			.32	T.					.27	.03		.16	3.01
Harrison Co. Airport²	West Fork	T.	.01	.22	.21		T.			.13	.13	T.	.28		.32	T.	.11	T.	T.		T.	.19	T.							.02	.03	.01	1.66
Hastings	Ohio	.01	.01	1.60						.40		.01	.66	.01	.80		.02	.30		.08		.07	.12						.01			.09	4.19
Horner	West Fork			.83	.10					.25			.30		.23			.12											.15				1.98
Ireland	do			1.28	.15					.07		T.	.49		.26	.06		.41		.08		.23							.31			.12	3.46
Jane Lew	do			1.35	.05		.02		.02	.35		.01	.27		.39		T.	.18	T.	.06		.08	.22						.17			.07	3.24
Kumbrabow St. For.†²	Tygart																																
Lost Creek (near)	West Fork																																
Mannington	Monongahela.	T.	T.	1.43	.03				.08	.42	.03	.06	.49	.02	.48		.02	.24	.01	.09		.07	.02						.10	.02	T.	.10	3.71
Middlebourne	Middle Is. Creek			*	1.87					.25	T.		.79		.84	T.		.27		.02			.15						.08		T.	T.	4.27
Midvale²†	Tygart	.01		.54	.88					.43	.05				.34	T.		.38		.06			.45						.39	.06		.14	3.73
Morgantown	Monongahela.	T.	T.	1.20	.10				T.	.15	T.	T.	.25	T.	.35			T.					.15	.05			T.	T.	.30			.10	2.65
Mt. Clare	West Fork		.07	.90	.02				.03	.34			.25		.40		T.	.17	T.	.06		.13	.15						.15		.02	.02	2.71
New Cumberland	Ohio		.15	1.03		.08			.23	.30		.45		.34	.85		.67		.07			.25							.04			.32	4.78
New Martinsville	do		T.	1.46		T.	.04		.10	.35		.42	.25	.04	.75		.04	.28	.05			.17							.14				4.09
Parkersburg¹‡	do	T.	.22	.40		.03			.36	.03	T.	.55		.65	.30		.29		T.	.02		.11						.16	.01		.01	T.	3.14
Parsons	Cheat	T.	T.	.91	.28				T.	.32	.09	.01	.27		.45		.01	.21	T.	.04		.09	.41	.02					.42	.05	T.	.13	3.71
Philippi²	Tygart	T	T.	.88	.41		T.			.12	.02	T.	.19		.26	T.		.09	T.	.02			.10	T.					.36	.06		.11	2.62
Pickens	do		.40	2.40	.20		T.		.11	.19	.20		.57		.41	.12	T.	.25	.03	1.25		.60	.20						.45		.05	.20	7.63
Roanoke	West Fork		.05	1.70	.05				.03	.15			.21		.20		T.	.09	T.	.04		.09	.02					.22	.01		T.	.09	2.95
Rockford†	do			1.18	.03				T.	.37			.23		.37		T.	.12	T.	.06		.02	.16						.17			.10	2.81
Rowlesburg²	Cheat	T.	T.	.55	.48					.23	.04		.29		.40	.08	T.	.19		.08			.64	T.					.48	.19	T.	.14	3.79
Saint Marys²	Ohio			1.23	.20		.03			.50					1.66			.29				.07	.07						.14			T.	4.19
Salem	West Fork			.50					.02	.30		.05	.42		.52		.01	.17		.07		.12	.08						.12			.02	2.40
Shinnston	do	.01		.90					.05	.35		.10	.20	.05		T.	T.			.05			.30						.15		T.	T.	2.16
Terra Alta†	Cheat			.80	.03					.36			.26		.41			.07		.11		.07		.01					.63	.11		.15	3.01
Thomas²	do	.05		.86	1.00		T.	T.		.16	.17		.27		.43	.09		.27		.08	T		.48	.05					.45	.32		.17	4.85
Valley Chapel	West Fork			1.43	.08					.45	T.		.32		.42		.02	.24		.08		.09	.20						.16			T.	3.49
Valley Head²	Tygart	.05		.90	.64	T.				.35	.20		.23		.12	.07		.39		.10	T.		.42						.38	.04		.14	4.03
Vandalia†	West Fork		.06	1.20						.21	.25				.23			.13				.14							.15			.10	2.47
Wellsburg (near)	Ohio			2.42	.05					.55		T.	.41	.14	.84		1.19		T.			.20	T.						.10			.30	6.20
West Milford	West Fork			1.43	.11					.40			.32		.45			.22		.10		.04	.32						.17			.04	3.60
Weston²	do	T.		1.40	.60		T.			.45	.10	T.	.34	T.	.31	T.		.22		.10			.30						.20	.05		.10	4.17
Wheeling (Dam 12)²	Ohio			.58	.39					.40	.02		.58		.90	.02		.83		.12		T.	.13	T.					.10			T.	4.07
Southern Division																																	
Arbovale²	Greenbrier			*	1.20					.90	.30		.13		.08	.23	.02	.42		T.			.45						.56	T.	T.	T.	4.29
Beckley	New	T.	.15	.48	.33				.12	.35	.03				.16	.15		.78	.07			.16	.03						.35		.09	.14	3.39
Bluefield	New		*	.75						.62	.04		.12		.05			.60	.01			.17		.22					.50		.05	.15	3.28
Camden-on-Gauley²	Gauley			1.24	.10	T.				.12	.14		.29		.23	.12		.29		.08	T.		.52						.30			.17	3.60
Charleston²	Gr. Kanawha.	.05		2.18	.27		.03			.02	.06		.37		.40	.21	.07	.64	.04	T.	T.	.02	.10						.36			.16	4.98
Clay²	Elk	.14		1.22	1.38		.01			.41	.04	.01	.38		.31	.14		.56		T.		T.	.17						.30			.14	5.21
Flat Top⁴	New		.95	.33		T.	T.		.43	.13	T.	.24		.14	.04	.01		.97	.04			.54						.31	T.		.18		4.31
Gary²	Big Sandy	.01	.01	*	1.01				.01	.28			.43		.30			.99	.02			.16	.20						.53			.15	4.10
Greenbottom²†	Ohio		T.	.40	T.				.07	.20		.03	.30	T.	.41	.02	.05	.56	T.			.12						T.	.40		T.	.16	2.72
Hinton²	New	.02		1.05	.20					.26	T.		.21		.16	T.		.90	.06	T.		.03	.20						.56			.10	3.75
Hogsett²	Ohio			.13	.02		.04			.37			.36		.53	.36	.17	.73		T.		.04	.06						.37			.05	3.23
Huntington	do	T.	.04	.35	T.		.02		.05	.21		.13	.26	T.	.41	.37	.01	.65				.11							.49			.13	3.23
Institute⁴	Gr. Kanawha.	T.	1.48	.55		.03			.25	.02		.36		.33	.12	.13	.33	.26	T.	T.		.11						.31	.07		.16		4.51
Kayford²	do		.02	1.75	.96					.25	.10		.48		.25	.28		.62	.02	T.		T.	.30						.35			.25	5.63
Lewisburg	Greenbrier	T.	.20	.65	.03				.06	.14			.14		.11	T.		.33	T.			.25	T.						.25	.01	.05	.08	2.30
Logan²	Guyandot	T.		1.60	.08		.02			.26	.03		.60	T.	.38	.38	.06	.80	.02	T.		.03	.09						.56			.27	5.12
London Locks²†	Gr. Kanawha.	.03	.02	1.52	.02		.03			.14	.10		.30		.24	.62	.03	.51				T.	.12						.47			.16	4.31
Madison²	Coal	.07		1.71						.26			.37		.32	.34		.89				.08	.03						.42			.13	4.62
Marlinton	Greenbrier		.10	.84	.12				.04	.70						.61		.54				.46	.11					.44			.06		4.02
Point Pleasant²	Ohio	.01		.27	.07	T.	.05			.43	.01		.30	T.	.63	.21		.42				.02	.10						.32			T.	2.84
Princeton²	New			1.35	.27					.11			.37		.10			.61	.10			.27	.21						.89	.07		.03	4.38
Rainelle	Greenbrier	.05	.20	1.46	.22				.07	.65	.01	T.	.28		.17	.12		.69	.06			.14	.09						.46		.07	.12	4.86
Ravenswood²	Ohio			.55			.05			.25	T.		.25		.90	.05		.46		.03		.04	.09						.18			.05	2.90
Richwood²	Gauley	.04	.02	1.00	.40					.64	.10		.28		.12	.29		.43	.05	.06		T.	.22						.38	.04		.22	4.29

Continued on next page.

Daily Precipitation for March 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	.17	1.94	....	....	....	....	.08	.27	....	....	.32	....	....	.56	.04	.34	....	....	....	.15	....	....	....	....	....	....	.22	....	.02	.06	4.17
Seneca State Forest†	Greenbrier	....	*	*	.75	....	....	....	....	.40	....	....	.20	....	.17	.16	....	.50	....	....	....	.24	.48	....	....	....	....	....	.49	....	.02	.07	3.48
Spencer [2]	Litl. Kanawha	....	....	1.08	.20	....	.03	....	....	.27	.03	....	.42	....	.44	.06	....	.32	....	.06	....	.05	.11	....	....	....	....	....	.19	....	....	.08	3.34
Summersville [2]	Gauley	.12	.15	.10	.75	....	.03	....	....	.17	.25	....	....	....	T.	.10	....	.30	....	....	....	...	.25	....	....	....	....	....	.31	T.	....	.20	2.73
Sutton	Elk	T.	.12	1.43	.45	....	....	....	.08	.15	....	T.	.50	....	.25	.10	....	.53	....	.07	....	.18	....	....	....	....	....	....	.22	....	....	.10	4.18
Thornwood [2]	Greenbrier	.10	.15	1.14	.32	T.	....	....	.08	.75	.15	T.	.15	T.	.10	T.	.04	.25	....	.04	T.	.15	.37	T.	....	....	....	....	.59	.02	.03	....	4.43
Union [2]	New	....	....	.60	.05	....	....	....	....	.15	....	....	.18	....	.03	....	....	.30	.10	....	....	.02	.20	....	....	....	....	....	.70	....	....	.15	2.48
Wayne [2]	Twelvepole	....	T.	.62	.08	....	.04	T.	.06	.05	.04	....	.72	....	.33	.45	....	.68	....	....	....	....	.05	.05	....	....	....	....	.58	....	....	.15	3.90
White Sulp'r Spgs. [2]	Greenbrier	....	....	.80	.20	....	....	....	....	.30	....	....	.25	....	.13	.05	....	.40	....	....	....	.10	.30	....	....	....	....	....	.55	.05	....	.25	3.38
Williamson [2]	Big Sandy	....	....	1.51	.40	....	.02	....	....	.12	.05	....	.35	....	.30	.26	....	.85	T.	....	....	.02	.02	....	....	....	....	....	.70	....	....	.32	4.92
Winfield Locks [2]†	Gr. Kanawha	.04	....	.72	.15	....	.03	....	....	.17	.02	....	.43	....	.34	.11	.11	.45	.01	T.	....	T.	.09	....	....	....	....	....	.40	....	....	.13	3.20

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for March 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	33	35	25	35	47	38	65	57	33	43	61	43	61	60	65	68	70	*36*	44	64	58	42	43	52	63	68	58	34	40	48	30	49.0
	Minimum	18	0	5	20	20	25	15	15	17	22	25	28	18	19	32	35	36	32	25	21	22	26	24	23	19	20	21	25	22	18	20	21.5
Beckley	Maximum	33	32	29	38	46	47	62	63	58	47	51	55	61	64	72	72	67	64	50	67	62	49	52	62	72	70	61	52	47	47	45	54.7
	Minimum	23	21	22	23	28	23	26	40	24	24	30	35	34	48	44	49	54	33	33	26	29	29	33	27	29	41	42	28	19	23	22	31.4
Bluefield	Maximum	*34*	34	28	38	43	47	63	63	*61*	57	56	58	64	64	*70*	73	68	67	49	62	63	*58*	60	62	70	70	61	44	*48*	48	47	55.8
	Minimum	*26*	25	23	25	31	29	32	*38*	26	26	43	38	42	51	47	*49*	*49*	36	36	32	49	33	*40*	35	36	44	40	30	*24*	24	25	35.0
Brandywine	Maximum	38	37	30	47	49	48	60	59	50	48	65	60	66	69	71	64	72	60	50	62	56	51	52	61	70	64	58	47	42	58	45	55.1
	Minimum	23	10	20	24	24	27	16	31	27	25	22	33	19	39	40	34	38	37	32	19	30	34	33	23	19	22	23	30	25	23	27	26.7
Buckhannon	Maximum	36	41	32	40	47	45	64	64	61	47	64	62	69	66	69	76	73	65	62	50	63	50	50	57	62	70	65	60	48	54	43	56.6
	Minimum	25	19	25	24	22	28	22	22	27	26	30	34	26	44	48	40	45	35	37	22	25	31	28	22	25	29	34	30	28	27	27	29.3
Cairo	Maximum	34	39	37	42	46	49	62	70	67	48	63	63	59	62	68	72	82	81	52	61	64	64	56	59	76	75	72	68	54	55	52	59.7
	Minimum	28	24	29	14	26	34	25	27	30	30	29	38	28	46	41	34	34	40	36	24	36	36	29	22	26	31	35	35	22	26	32	30.5
Charleston (Airport)	Maximum	40	41	33	45	51	54	71	65	51	54	68	59	69	72	77	85	71	48	55	68	60	58	60	68	78	73	66	49	56	51	42	59.3
	Minimum	25	25	28	28	28	29	28	31	31	27	29	30	36	50	51	48	47	41	30	29	40	38	28	24	30	40	40	27	26	28	29	32.9
Clarksburg [3]	Maximum	37	44	32	39	48	44	65	65	38	48	63	49	60	66	69	77	71	45	52	66	61	51	52	59	69	69	66	38	50	53	35	54.2
	Minimum	28	22	25	29	25	23	22	25	28	29	30	30	30	32	41	41	43	38	34	23	23	31	34	24	23	26	32	33	33	30	30	29.6
Elkins	Maximum	32	39	29	40	47	43	67	60	61	46	62	48	68	64	69	66	70	53	46	62	59	48	48	56	66	68	59	45	45	50	39	53.4
	Minimum	22	14	26	26	23	31	23	34	27	27	34	31	27	45	44	44	53	33	29	24	35	33	32	29	26	30	44	31	31	30	28	31.2
Fairmont [3]	Maximum	37	44	32	40	50	47	69	67	38	55	65	50	58	67	69	78	72	64	53	67	60	51	52	62	71	71	70	63	52	57	35	57.0
	Minimum	28	25	28	28	28	29	27	30	33	30	34	38	30	35	43	44	52	40	34	25	30	35	33	27	29	33	40	33	33	32	32	32.8
Flat Top	Maximum	29	27	25	40	42	42	58	50	52	46	55	53	60	63	70	64	65	53	45	60	55	48	46	56	68	59	51	38	45	40	36	49.7
	Minimum	14	14	20	21	28	24	25	42	22	23	29	34	30	46	41	48	52	33	31	25	33	28	31	31	26	37	37	27	23	23	21	29.6
Gary [3]	Maximum	43	37	32	49	49	51	70	63	38	59	60	61	70	71	79	83	72	*50*	52	69	65	55	58	66	75	68	58	46	53	52	*49*	58.2
	Minimum	29	27	27	29	27	27	25	27	34	30	32	33	34	34	44	46	50	41	41	29	30	37	41	25	25	29	34	35	23	26	27	32.2
Glenville	Maximum	37	42	40	43	49	51	69	68	64	54	66	64	66	71	70	80	80	69	55	69	67	65	57	64	77	78	74	67	56	55	46	61.7
	Minimum	29	23	27	22	23	32	24	29	32	33	30	39	30	47	44	44	62	41	36	26	35	38	35	24	27	33	39	35	30	30	32	33.3
Grafton	Maximum	35	44	44	38	46	47	63	71	65	50	65	65	65	64	69	76	76	69	52	67	67	63	52	57	70	72	72	69	48	53	53	59.6
	Minimum	24	18	26	24	19	28	21	24	26	27	27	33	23	41	37	44	58	35	30	19	34	31	29	19	22	28	31	29	29	25	27	28.6
Huntington	Maximum	40	39	36	48	53	56	73	69	62	56	67	58	55	74	73	84	82	64	59	65	64	60	62	68	78	73	71	63	57	53	49	61.6
	Minimum	30	29	30	32	36	33	35	37	33	32	33	41	39	48	52	51	62	43	41	33	47	39	36	29	34	43	49	36	30	33	33	38.0
Lewisburg	Maximum	33	33	30	41	43	47	61	56	59	49	60	59	64	70	73	65	72	62	51	62	56	55	53	63	73	65	57	45	51	45	40	54.6
	Minimum	24	21	25	25	25	27	24	36	28	29	29	36	34	49	47	50	49	37	35	28	43	33	36	32	29	38	42	34	29	27	28	33.2
Logan [3]	Maximum	42	38	34	47	47	55	72	65	39	59	65	57	73	76	80	86	73	*52*	58	74	63	57	64	72	80	72	67	51	55	51	42	60.2
	Minimum	33	28	29	30	30	31	30	31	34	31	32	32	39	39	52	51	52	44	42	32	33	41	38	29	29	33	39	36	29	30	31	35.2
Madison [3]	Maximum	30	30	36	46	35	54	70	65	41	41	66	50	74	55	79	89	73	*50*	59	72	64	48	68	75	80	72	72	50	57	51	39	57.8
	Minimum	29	24	26	27	27	27	27	29	32	32	31	33	36	46	50	48	50	42	40	30	34	39	36	25	30	35	39	35	25	28	32	33.7
Mannington	Maximum	35	44	36	39	48	43	63	63	61	51	60	52	60	65	67	78	73	60	52	64	60	49	53	60	67	68	67	62	49	54	46	56.4
	Minimum	27	21	31	26	21	28	20	24	30	30	28	37	26	44	39	38	60	39	34	21	33	36	32	21	24	28	32	33	34	28	31	30.8
Marlinton	Maximum	35	34	33	45	45	47	63	64	57	50	60	59	67	69	75	74	73	70	51	64	60	53	52	62	73	70	63	*55*	51	50	41	56.9
	Minimum	24	14	25	30	21	29	16	26	26	25	24	35	25	44	38	40	46	35	32	23	32	31	32	25	22	26	33	*29*	31	21	26	28.6
Martinsburg [3]	Maximum	45	43	40	46	50	52	66	66	58	55	70	55	58	50	52	45	80	60	53	65	56	53	47	56	61	58	60	50	50	53	50	54.9
	Minimum	33	25	25	34	28	30	29	30	42	33	36	40	29	30	38	38	43	45	40	33	36	40	35	34	30	32	32	38	30	31	32	33.9
Morgantown	Maximum	36	41	33	36	43	46	64	68	62	47	61	58	57	*62*	67	63	68	71	67	67	58	63	48	55	62	64	60	62	42	52	47	56.1
	Minimum	26	26	29	26	32	33	32	42	29	27	36	35	27	*40*	42	40	40	39	39	41	27	35	33	27	33	40	41	28	29	30	31	33.4
New Cumberland	Maximum	38	42	39	42	49	47	59	62	55	49	62	52	42	59	56	55	70	58	49	62	60	44	48	57	63	67	70	67	49	53	50	54.0
	Minimum	28	22	31	25	35	29	28	32	31	31	26	35	27	40	35	43	41	38	34	24	26	36	34	28	20	30	35	33	34	30	30	31.6
New Martinsville	Maximum	37	38	38	42	50	47	62	67	59	55	59	50	50	55	68	70	72	63	61	63	62	51	56	63	70	70	70	65	57	56	46	57.2
	Minimum	30	28	25	22	35	31	26	29	32	32	30	38	30	37	42	42	61	38	37	25	38	38	32	26	38	38	37	35	31	33	31	33.8
Parkersburg	Maximum	37	35	32	42	50	52	70	66	50	52	61	48	48	66	67	81	69	46	53	64	58	52	55	62	72	68	66	44	51	52	39	55.1
	Minimum	30	28	28	26	35	32	35	36	30	33	40	39	34	49	42	48	46	40	35	31	41	37	35	31	35	43	39	34	27	36	32	35.7
Pickens	Maximum	30	28	28	40	43	45	62	59	56	45	57	52	67	63	69	68	70	53	46	62	55	45	58	54	60	70	71	55	48	52	39	53.2
	Minimum	21	12	20	21	23	21	25	29	23	23	32	22	18	43	42	49	51	31	28	23	38	28	21	29	32	35	37	29	17	27	23	28.2
Point Pleasant	Maximum	38	36	37	46	53	55	74	78	64	55	54	55	64	71	70	79	78	67	57	67	68	57	62	62	77	75	71	65	54	55	47	61.0
	Minimum	30	26	30	26	38	32	29	30	30	32	30	39	34	46	47	47	61	41	33	28	46	36	56	25	30	35	47	30	25	30	33	35.6
Rainelle	Maximum	32	32	29	45	49	47	63	59	57	50	56	57	61	67	71	69	69	62	50	61	59	51	52	62	72	64	61	58	51	45	39	54.8
	Minimum	23	17	23	24	22	26	14	30	26	20	24	32	29	45	40	42	50	34	32	23	44	31	31	23	22	31	32	29	25	20	25	28.7
Ravenswood	Maximum	38	39	39	42	49	56	69	70	61	50	62	57	53	66	70	78	81	63	52	63	65	55	57	63	75	76	73	75	55	55	49	59.9
	Minimum	29	24	26	25	32	31	31	34	31	35	34	38	34	44	41	44	56	40	34	28	44	37	35	24	33	36	45	34	25	29	34	34.4
Richwood [3]	Maximum	32	37	27	43	47	45	63	60	35	46	57	53	64	65	71	65	69	*53*	49	60	57	60	52	59	70	66	56	*37*	49	48	33	52.5
	Minimum	25	16	26	24	24	25	22	26	32	26	29	30	32	42	42	47	53	39	32	27	27	24	33	26	26	30	37	33	30	27	27	30.3
Romney	Maximum	46	40	39	44	50	49	69	62	62	49	70	65	64	62	63	52	80	65	53	68	60	52	50	58	67	67	63	60	59	56	56	58.1
	Minimum	30	18	31	33	25	33	24	33	35	21	30	42	26	49	40	42	43	44	37	25	39	37	35	35	25	27	30	33	33	30	21	32.5
Spencer [3]	Maximum	37	42	31	42	49	52	69	65	*55*	54	66	54	64	69	73	81	71	*61*	55	67	58	55	58	65	75	74	67	*47*	57	51	44	57.8
	Minimum	28	23	26	28	28	32	30	39	34	32	45	38	32	48	46	46	61	40	34	26	50	36	32	34	28	32	47	34	23	27	21	34.8
Sutton	Maximum	37	37	34	43	48	48	70	70	59	50	63	63	72	72	72	75	75	70	54	65	65	63	56	63	75	75	65	65	52	52	47	59.8
	Minimum	29	23	28	29	25	31	24	29	30	31	29	40	30	48	46	44	51	40	32	26	44	38	35	24	27	40	30	35	31	29	32	33.2
Wardensville [3]	Maximum	42	38	38	45	51	46	62	63	45	53	68	53	59	58	61	64	77	52	52	64	58	51	37	59	66	57	60	39	38	55	43	51.8
	Minimum	28	16	20	31	21	25	18	26	34	31	29	32	22	28	36	39	41	44	36	22	31	37	35	34	23	24	27	33	29	29	35	29.5
Weston	Maximum	36	42	40	40	49	56	69	68	64	50	64	60	68	69	72	78	74	60	52	67	62	58	54	62	71	70	68	62	55	52	48	59.4
	Minimum	29	24	30	29	31	32	30	32	39	33	34	40	30	48	46	42	60	42	35	25	46	38	54	34	28	29	34	40	35	34	31	35.3
Wheeling [3]	Maximum	37	42	33	39	48	45	60	61	34	48	59	43	49	60	57	67	65	48	50	62	55	47	50	56	62	66	70	39	53	53	38	51.5
	Minimum	27	26	26	26	27	32	32	28	33	32	30	32	32	34	38	39	45	40	35	28	29	35	34	27	27	30	35	35	34	34	32	32.1
Williamson [3]	Maximum	45	36	35	50	47	56	71	63	38	56	64	64	70	71	80	85	72	52	60	73	61	60	64	73	79	70	70	52	60	54	[illegible]	60.5
	Minimum	31	29	30	30	29	31	31	31	36	33	33	35	39	40	50	52	52	44	42	35	36	40	40	30	30	35	41	36	31	31	32	36.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 4-22-42—925)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., APRIL 1942 No. 4

GENERAL SUMMARY

April was warm, with temperatures above normal at all stations. It was the third driest April of record, while in the southern division, it was the second driest. A very large portion of the rainfall fell during the period 8–11th, mostly as showers, during which the rivers rose rapidly but flood stages were not reached. By the 20th, conditions had become rather droughty, with low relative humidities, and then a period of high temperatures set in during the last week which brought about a lowering of the moisture content of the forest fuels to such an extent that the forest fire hazard became critical. Very serious fires occurred in Logan, Mingo and McDowell Counties, and numerous small fires broke out in other parts of the forested areas, continuing at the close of the month. Snowfall was light. The measurable amounts fell mostly in the north-central and in mountain sections of the northern part of the State. The greatest monthly amount was 8.2 inches at Pickens. The greatest number of snow-lying days was 7 at Spruce Knob.

It was a good month for outdoor activities but too dry for normal germination of crops. Fruit trees bloomed heavily during the month. The frosts that occurred did but little damage.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 72 stations, was 54.7°, or 2.9° above the normal. The mean for the northeastern panhandle division was 54.3°; for the northern division, 54.4°; and for the southern division, 55.2°. The highest monthly mean was 59.6° at Huntington and the lowest, 45.6° at Bayard. The highest temperature was 97° at Hinton on the 30th and the lowest, 13° at Bayard on the 15th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 132 stations, was 1.86 inches, or 1.66 inches below normal. In the northeastern panhandle division the average was 1.63 inches; in the northern division, 2.40 inches; and in the southern division, 1.30 inches. The greatest monthly precipitation was 4.27 inches at Rowlesburg, and the least, 0.23 inch at Man and Williamson. The greatest amount in any 24 consecutive hours was 2.11 inches at Wellsburg on the 9th. The average snowfall was 0.5 inch, or 1.2 inches below the normal. The greatest monthly snowfall was 8.2 inches at Pickens. The average number of days with .01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	2	..	7	..	4	2	3	4	4	2	..	..	1	2	2	2	2	1	1	..	4	3	3	2	2	1	..	12	6	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	1	..	..	1	2	1	2	3	4	11	3	2	..	..	..	1	4	2	4	1	..	..	..	..	..	..	1	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Halos, lunar	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	1	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	15	7	5	..	..	..	..	..	1	..	..	..	..	..	4	1	..	..	..	..	..	..	..	..	..	8	3	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.09	30.34	16	29.60	10	8.1	25	nw.	10	82	41	49	73
Columbus, Ohio	30.08	30.32	16	29.57	10	9.5	33	sw.	2	78	46	57	66
Elkins	30.11	30.42	16	29.62	10	6.6	30	w.	11	80	44	56	64
Huntington Airp't	30.09	30.36	16	29.60	10	......	29	nw.	12	81	40	49	....
Parkersburg	30.09	30.36	16	29.57	10	5.9	27	nw.	11	76	43	46	62
Pittsburgh, Pa	30.08	30.31	16	29.56	10	11.5	34	nw.	11	70	45	49	58

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	..	..	1.64	3.08	2.50	2.81	......	..	..	..	..
1892	50.6	87	17	3.16	4.31	4.83	4.28	......	7	..	..	..
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	......	9	11	9	10
1896	57.7	95	12	1.56	2.20	2.06	2.06	......	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	......	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	......	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	1.35	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	7.05	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	45.6	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	101	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	101	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	.5	7	15	8	7
Period	51.8	101	−4	3.09	3.70	3.44	3.52	1.7	11	11	8	11

Climatological Data for April 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	45.6	+1.9	83	30	13	15	3.48	−0.36	1.54	10	4.0	8	19	4	7	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	57.5	......	94	30	29	13	1.05	......	1.00	7	T.	2	23	0	7	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	52.5	+2.6	90	30	19	14	.96	−1.71	.61	9	T.	2	22	1	7	n.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	..	..	.71	−2.54	.48	10	.0	6	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	55.8	......	89	26	26	14	.96	......	.43	9	T.	4	9	13	8	nw.	H. W. Prettymau
Kearneysville	Jefferson	548	12	56.8	+5.5	90	30	28	14	1.00	−2.28	.37	9	....	4	13	15	2	w.	University Exper. Station
Martinsburg	Berkeley	435	50	57.4	+5.8	94	30	30	§14	1.35	−1.76	.85	10	T.	5	23	5	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	52.8	+1.0	91	30	17	14	1.29	−1.67	.52	9	T.	5	15	6	9	w.	R. E. Saville
Piedmont	Mineral	1,053	29	54.4	+4.0	89	30	27	14	2.79	−0.22	1.63	9	....	10	11	15	4	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	56.2	+4.5	91	30	29	§13	1.75	−1.22	1.16	9	T.	3	15	8	7	......	Miss Lucille Keister
Stouy River Dam	Grant	3,300	22	....	......	..	..	..	..	3.21	−0.54	.80	9	4.5	8	7	12	11	w.	Fred Becker
Wardensville	Hardy	1,200	21	53.4	+3.8	89	30	23	14	1.11	−1.40	.50	10	T.	9	8	14	8	nw.	Reymanu Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	.....	......	....	....	......	....	2.47	−1.33	1.52	9	.8	9	7	16	7	w.	L. Esle Bond
Alpena	Randolph	2,571	11	49.6	+4.1	86	30	21	§13	3.01	−1.39	.75	9	1.5	11	12	10	8	......	Christian Hertig
Benson	Harrison	1,080	18	54.8	+2.2	90	§26	24	§13	2.44	−0.77	1.40	9	1.0	9	18	6	6	......	R. D. Marts
Bens Run	Pleasants	652	40	57.4	+4.6	93	30	30	13	3.87	+0.31	1.83	10	T.	7	24	2	4	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	49.6	......	85	28	23	14	3.76	......	1.36	10	....	9	....	....	....	......	James I. Galloway
Brownsville	Lewis	1,032	19	55.8	+3.5	90	30	25	13	2.30	−1.06	1.39	9	....	8	17	8	5	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	45	52.8	+1.7	85	28	25	§13	2.24	−1.65	1.00	9	T.	9	21	4	5	......	H. A. Darnall
Cairo	Ritchie	680	41	55.2	+1.2	89	27	25	§2	2.37	−1.09	1.30	9	T.	8	17	8	5	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	52.8	+1.6	88	30	26	§13	1.77	−1.60	.80	10	T.	6	20	4	6	w.	Clarksburg Water Board
Creston	Wirt	640	40	56.3	+2.9	92	30	26	13	1.79	−1.87	1.05	10	T.	8	15	8	7	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	.....	......	......	....	......	....	2.62	−0.85	1.30	10	T.	9	....	....	....	......	Lockmaster
Dam 13 O. R	Marshall	655	26	.....	......	......	....	......	....	3.02	−0.30	1.37	10	T.	11	....	....	....	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	.....	......	......	....	......	....	2.70	−0.59	1.29	10	....	8	....	....	....	......	Lockmaster
Dam 19 O. R	Wood	600	26	.....	......	......	....	......	...	1.73	−1.45	.90	10	T.	6	....	....	....	......	Lockmaster
Dam 20 O. R	Wood	600	26	.....	.....	......	....	......	....	1.99	−1.25	.98	10	....	6	....	....	....	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	.....	......	......	....	......	....	2.15	−1.02	1.24	10	T.	8	....	....	..	....	Lockmaster
Elkins	Randolph	1,927	41	53.1	+4.3	86	30	25	14	2.33	−1.29	.65	28-29	1.0	9	8	10	12	w.	U. S. Weather Bureau
Fairmout	Marion	883	36	56.1	+4.3	93	30	29	§13	2.38	−0.89	1.08	9	.5	7	16	5	9	w.	J. C. Robinson
Glenville	Gilmer	738	48	57.5	+3.6	94	30	27	§2	2.02	−1.74	.92	10	T.	7	16	6	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	52.5	+1.0	90	§26	22	13	1.86	−1.43	1.35	10	.1	6	17	7	6	......	L. W. Clayton
Grantsville	Calhoun	900	1	58.0	......	91	27	26	§1	1.41	......	1.00	9	....	4	13	11	6	s.	James Roberts
Hastings	Wetzel	809	7	.....	......	......	....	......	....	2.74	......	1.66	9	T.	8	12	9	9	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	.....	......	......	....	......	...	2.38	−1.27	1.42	9	1.0	8	....	....	....	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	.....	......	......	....	......	....	....	......	....	....	....	..	....	....	....	......	Mrs. Gladys Edmonds
Mannington	Marion	974	39	53.8	+2.7	89	30	25	14	2.80	−0.90	1.76	9	2.2	10	15	7	8	w.	James A. Morgan
Middlebourne	Tyler	750	1	54.0	......	92	§26	26	13	2.34	... .	.93	10	T.	8	20	4	6	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	49	53.4	+1.7	87	30	28	§12	2.92	−0.23	1.85	9	1.6	7	21	5	4	sw.	State Horticultural Farm
New Cumberland	Hancock	671	44	54.8	+5.6	92	30	26	13	2.32	−0.96	1.60	9	....	6	16	4	10	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	57.2	+4.1	93	30	29	§13	2.81	−0.69	1.94	9	T.	7	18	7	5	sw	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	57.4	+4.0	91	30	31	13	1.90	−1.29	1.34	8-9	T.	7	13	10	7	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	53.4	+4.2	87	30	25	§13	3.16	−0.60	1.35	9	2.0	11	11	11	8	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	.....	......	......	....	......	....	2.43	−1.29	.91	10	T.	9	....	....	....	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	52.3	+4.2	87	30	22	13	2.41	−2.78	.55	28-29	8.2	11	17	3	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	.....	......	......	....	......	....	2.35	−1.23	1.12	9	T.	10	16	5	9	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	52.6	......	87	§26	26	14	4.27	+0.08	1.73	10	1.0	8	11	3	16	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	......	......	....	......	....	2.23	−1.19	1.91	9-10	....	5	....	....	....	......	Edward Hughes
Terra Alta	Preston	2,559	41	49.4	+2.6	86	30	21	14	2.78	−1.32	1.22	9	.1	10	16	6	8	w.	Edward R. Wagner
Thomas	Tucker	3,000	13	.....	......	......	....	......	....	3.64	−0.54	1.39	10	5.0	9	....	....	....	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	56.4	+3.3	93	30	25	13	2.37	−1.04	1.30	9	.2	9	16	9	5	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	54.4	+4.8	92	30	23	13	2.98	−0.18	2.11	9	T.	7	19	4	7	......	George P. Pfister
West Milford	Harrison	979	17	.....	......	......	....	......	....	2.38	−1.44	1.48	9	.5	10	....	....	....	......	Scotland G. Highland
Weston	Lewis	1,026	47	58.4	+5.6	92	30	29	14	2.24	−1.27	1.20	10-11	1.0	9	4	22	4	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	54.2	+2.6	89	§26	29	13	3.49	+0.26	1.60	10-11	2.8	9	13	8	9	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	..	..	1.55	−1.67	.42	8	2.0	9	15	8	7	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	53.6	+3.4	83	26	26	2	1.05	−2.43	.42	29	T.	6	19	6	5	......	L. A. Mauck
Bluefield	Mercer	2,558	47	57.0	+3.4	85	30	28	§1	.47	−2.64	.27	10	....	4	17	8	5	......	Norfolk & Western Ry.
Charleston	Kanawha	602	39	.....	......	..	..	..	..	2.06	−1.81	.85	10	T.	5	..	..	..	......	Charlestou Daily Mail
Flat Top	Mercer	3,270	4	50.8	... ..	81	30	23	1	.57	......	.51	9-10	T.	3	10	16	4	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	54.8	+1.4	88	30	25	§2	.67	−2.82	.62	10	T.	4	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	57.4	......	91	30	27	12	2.10	......	1.90	9-10	....	7	9	13	8	sw.	State Forest Nursery
Hinton	Summers	1,431	45	56.6	+3.4	97	30	26	2	.43	−2.77	.36	10	T.	4	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	59.6	+5.0	94	30	32	12	2.51	−1.00	1.88	9	T.	7	12	13	5	ne.	H. N. Robinson
Institute	Kanawha	606	4	56.0	......	94	30	27	12	3.19	......	1.85	9-10	.4	8	13	6	11	n.	Civil Aero. Administration
Kayford	Kanawha	1,335	25	....	......	..	..	..	..	.60	−3.46	.41	10	....	2	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	55.4	+4.9	88	30	26	1	.51	−2.81	.22	10	T.	5	15	7	8	......	J. K. Mouroe
Logan	Logan	700	39	58.0	+0.7	95	30	29	§2	.32	−3.83	.22	10	T.	4	14	8	8	......	Paul A. Simonds
London Locks	Kanawha	623	6	57.6	......	92	§26	32	§1	.66	......	.36	10	....	5	13	14	3	w.	Lockmaster
Madison	Boone	675	21	57.2	+2.9	94	30	26	2	.45	−3.39	.24	10	....	3	17	7	6	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	52.8	+6.0	92	30	22	14	1.41	−2.21	.46	10	....	7	10	12	8	n	Edward A. Moore
Oak Hill	Fayette	1,950	..	53.4	......	87	30	26	§1	.57	......	.27	10	....	8	18	6	6	......	W. E. Holy
Pineville	Wyoming	1,350	2	57.1	......	93	30	25	2	.66	......	.26	10	T.	5	20	8	2	......	Charles Dameron
Point Pleasant	Mason	595	43	57.8	+2.9	92	30	28	13	2.71	−0.60	1.44	10	T.	5	21	5	4	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	51.0	+2.8	87	30	20	2	1.51	−2.68	.75	10	2.0	9	18	4	8	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	56.8	+3.0	91	30	28	§13	2.47	−0.69	1.55	10	....	8	10	8	12	nw.	Lockmaster
Richwood	Nicholas	2,193	12	....	......	..	..	..	..	....	......	....	....	....	.	..	..	..	......	Cherry River Paper Co.
Ripley	Jackson	610	..	58.4	......	93	30	27	§12	2.50	......	2.00	9	T.	2	19	7	4	sw.	Sattis Simmons
Ryan	Roane	700	39	55.2	+3.2	92	26	23	13	3.17	−0.61	1.67	29	T.	5	14	9	7	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	49.3	......	85	30	17	20	3.42	......	1.00	29	....	6	20	4	6	nw.	Supt., State Forest
Spencer	Roane	789	38	55.7	+2.9	91	30	26	13	1.72	−1.67	.77	10	T.	7	12	9	9	nw.	A. M. McKown
Summersville	Nicholas	1,900	6	52.4	......	90	30	23	13	.53	......	.20	9	....	6	12	13	5	......	A. E. Dorsey
Sutton	Braxton	850	36	55.9	+3.1	92	30	26	§2	1.34	−2.51	.40	9	T.	7	24	2	4	......	C. B. Eakle
Union	Monroe	2,200	38	52.4	+0.6	92	30	22	2	.48	−2.41	.45	10-11	....	3	18	0	12	......	C. B. King
Webster Springs	Webster	1,500	10	55.4	... ..	91	30	28	§3	1.25	......	.33	10	T.	7	9	14	7	ne.	Miss Annie Laurie Criss
White Sulphur Springs	Greenbrier	1,914	32	53.0	+1.6	88	§26	20	2	.60	−2.68	.40	10	T.	3	24	1	5	......	White Sulphur Spgs., inc.
Williamson	Mingo	673	42	58.2	+2.7	94	30	30	§2	.23	−3.45	.16	10	T.	4	19	8	3	ne.	J. E. Dotson
Winfield Locks	Putnam	571	4	56.2	......	93	30	31	§12	2.40	......	1.26	10	T.	7	17	4	9	sw.	Lockmaster
State averages and	extremes	......	....	**54.7**	**+2.9**	**97**	**30**	**13**	**15**	**1.86**	**−1.66**	**2.11**	**9**	**0.5**	**7**	**15**	**8**	**7**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ᵃ one day, ᵇ two days etc. § Also on other dates.

Daily Precipitation for April 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.18	....	....	....	....	....	....	.05	.38	1.54	.42	.15	....	....	....	....	....	.28	....	....	....	....	....	....	....	....	....	....	.48	....	....	3.48
Brandywine	do	....	....	....	....	....	....	....	....	.61	.35	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.96
Brushy Run[2]	do	....	....	....	.06	....	....	....	T.	.16	.67	.05	.06	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.14	....	....	1.14
Harpers Ferry[2]	do	....	....	....	T.	....	....	....	....	.02	.48	.07	.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	.03	....	.71
Inwood	do	....	....	....	.11	....	....	....	....	.43	.37	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	.96
Kearneysville	do	....	....	....	.25	T.	....	....	....	.37	.34	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	1.00
Knobly Mountain[2]†	do	T.	....	....	.19	....	....	....	T.	.38	1.48	.25	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	2.40
Martinsburg[2]	do	....	....	....	.10	....	....	....	....	.20	.85	.15	T.	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	1.35
McNeill†	do	....	....	T.	.15	....	....	....	T.	.52	.25	.12	T.	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	T.	.25	....	....	1.29
Petersburg	do	....	....	.02	.07	....	....	....	.02	.56	.32	.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	.26	....	....	1.33
Piedmont	do	.02	....	.02	.21	....	....	....	.03	1.63	.56	.14	T.	....	....	....	....	.03	.02	....	....	....	....	....	....	....	....	....	....	.13	....	....	2.79
Romney	do	....	....	....	....	....	....	....	....	1.16	.44	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	1.75
Spruce Knob[2]†	do	.04	T.	....	.27	T.	....	....	T.	.34	.37	.28	.22	....	....	....	....	....	.13	....	....	....	....	....	....	....	....	....	....	.09	....	....	1.74
Stony River Dam[2]†	do	....	....	....	.40	....	....	....	.10	.80	.70	.10	.30	....	....	....	....	....	.15	....	....	....	....	....	....	....	....	....	....	.66	....	....	3.21
Wardensville[2]	do	.05	....	....	.08	....	....	....	....	.22	.50	.06	.09	.01	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	....	.06	....	....	1.11
Northern Division																																	
Aberdeen†	West Fork	.02	T.	T.	.16	....	....	....	.05	1.52	.18	.12	.15	....	....	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	.22	....	....	2.47
Alpena	Cheat	.20	....	.02	.32	....	....	....	.24	.75	.48	.30	.10	....	....	....	....	.08	....	....	T.	....	....	....	....	....	....	....	*	.52	....	....	3.01
Belington[2]	Tygart	.03	.01	T.	.28	....	....	....	.04	.33	.63	.22	.09	T.	....	....	....	....	.09	....	T.	....	....	....	....	....	....	....	....	.27	....	....	1.99
Benson†	West Fork	.08	....	.05	.10	....	....	....	....	1.40	.20	.30	.16	....	....	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	2.44
Bens Run	Ohio	....	....	.08	.04	....	....	....	.06	1.65	1.83	.17	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	3.87
Big Skin Creek†	West Fork	.02	....	T.	.18	....	....	....	.20	1.15	.10	.14	.05	....	....	....	....	.12	....	....	....	....	....	....	....	....	....	....	T.	.22	....	....	2.18
Brownsville†	do	....	....	.02	.17	....	....	....	....	1.39	.17	.08	.12	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	.25	....	....	2.30
Buckhannon	Tygart	.04	....	T.	.22	....	....	....	.14	1.00	.16	.11	.15	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	.32	....	....	2.24
Cairo	Litl.Kanawha	....	....	....	.17	....	....	....	.08	1.30	.63	.05	.03	....	....	....	....	....	.08	....	....	....	....	....	....	....	....	....	....	.03	....	....	2.37
Clarksburg[2]	West Fork	T.	T.	....	.09	....	....	....	.05	.62	.80	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.11	....	....	1.77
Crawford	do	.02	....	T	.27	....	....	....	.22	.75	.24	.14	.03	....	....	....	....	.03	.17	....	....	....	....	....	....	....	....	....	....	.29	....	....	2.16
Creston[2]	Litl.Kanawha	T.	T.	....	.12	....	....	....	.06	.43	1.05	.05	.01	....	....	....	....	....	T.	....	.02	....	....	....	....	....	....	....	....	.05	....	....	1.79
Dailey[2]†	Tygart	T.	T.	....	.12	....	....	....	.14	.30	.58	.13	.15	....	....	....	....	....	.09	....	T.	....	....	....	....	....	....	....	....	.29	....	....	1.80
Dam 10, Mon. R.[2]†	Monongahela.	.08	T.	....	.20	....	.03	....	.22	.55	1.30	.11	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	....	....	2.62
Dam 13, O. R.[2]†	Ohio	.02	.01	.03	.22	....	.03	....	.14	.84	1.37	.28	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	....	....	3.02
Dam 15, Mon. R.[2]†	Monongahela	.06	T.	....	.11	...	T.	....	.17	.76	1.29	.12	.09	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.10	....	....	2.70
Dam 19, O. R.[2]†	Ohio	T.	.01	....	.07	....	....	....	T.	.61	.90	.10	T	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.04	....	....	1.73
Dam 20, O. R.[2]†	do	....	T.	....	.14	....	....	....	.05	.60	.98	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.11	....	....	1.99
Elizabeth (Dam 3)[2]	Litl.Kanawha	T.	.06	....	.13	....	....	....	.02	.57	1.24	.07	T.	....	....	....	....	....	.02	....	T.	....	....	....	....	....	....	....	....	.04	....	....	2.15
Elk†	West Fork	....	....	....	.15	....	....	....	.30	1.48	...	.18	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	2.31
Elkins[1]‡	Tygart	.01	....	.23	....	....	....	T.	.40	.38	.36	.24	T.	....	....	....	....	.06	....	T.	T.	T.	....	....	....	....	....	....	.51	.14	....	....	2.33
Fairmont[2]	Monongahela.	....	T.	....	T.	....	....	....	.14	1.08	.77	.18	.05	....	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	....	.12	....	....	2.38
Glenville[2]	Litl.Kanawha	T.	T.	....	.20	....	....	....	.06	.43	.92	.09	.04	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.28	....	....	2.02
Grafton	Tygart	.04	....	....	....	....	....	....	.06	....	1.35	....	.28	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	....	.12	....	....	1.86
Hackers Creek†	West Fork	.03	....	.01	....	....	....	....	.04	1.61	.22	.16	....	....	....	....	....	.10	....	....	....	....	....	....	....	....	....	....	....	.11	....	....	2.28
Hall[2]	Tygart	T.	.01	....	.36	....	....	....	.03	.49	.67	.15	.05	....	....	....	....	....	T.	....	T.	....	....	....	....	....	....	....	....	.15	....	....	1.91
Harrison Co. Airport[2]	West Fork	.04	....	.07	....	....	....	T.	.37	.97	.09	.15	.02	....	....	....	....	.03	....	T.	....	....	....	....	....	....	....	....	.08	.01	....	....	1.83
Hastings	Ohio	.09	T.	T.	.12	.02	T.	....	.21	1.66	.32	.22	.10	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	2.74
Horner	West Fork	....	....	....	.15	....	....	....	.15	1.30	.10	.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.20	....	....	2.00
Ireland	do	....	....	....	.12	....	....	....	.20	.41	.36	.04	.02	....	....	....	....	.01	.51	....	....	....	....	....	....	....	....	....	....	.45	....	....	2.12
Jane Lew	do	T.	T.	.04	.08	....	....	....	.08	1.42	.23	.16	.22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	....	2.38
Kumbrabow St. For.†	[2]Tygart	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lost Creek (near)	West Fork	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	T.	.01	....	....	||||
Mannington	Monongahela.	.09	....	.05	.09	.01	....	....	.15	1.76	.22	.23	.07	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	.13	....	....	2.80
Middlebourne	Middle Is.Creek	.01	....	....	.12	....	....	....	.05	.84	.93	.12	.04	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	.23	....	....	2.34
Midvale[2]†	Tygart	.01	.02	....	.20	....	....	....	.13	.38	.49	.39	.19	....	....	....	....	....	.18	....	.02	....	....	....	....	....	....	....	....	.35	....	....	2.36
Morgantown	Monongahela.	.10	....	....	....	....	....	....	.20	1.85	.37	.10	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.25	....	....	....	2.92
Mt. Clare	West Fork	T.	....	....	.15	....	....	....	.14	1.55	.15	.10	.05	....	....	....	....	.03	T.	....	....	....	....	....	....	....	....	....	....	.24	....	....	2.41
New Cumberland	Ohio	T.	....	.18	....	....	....	.09	.01	1.60	.32	.12	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.32
New Martinsville	do	.10	....	.07	.09	T.	....	....	....	1.94	.30	.19	.12	....	....	....	....	T.	....	T.	....	....	....	....	....	....	....	....	....	T.	....	....	2.81
Parkersburg[1]‡	do	T.	....	.13	....	....	....	T.	.19	1.16	.23	.05	T.	....	....	....	....	.09	....	T.	....	....	....	....	....	....	....	....	.05	....	....	....	1.90
Parsons	Cheat	.11	....	T.	.27	....	....	....	.08	1.35	.33	.28	.05	....	....	....	....	.08	.02	....	T.	....	....	....	....	....	....	....	.13	.46	....	....	3.16
Philippi[2]	Tygart	.02	T.	....	.11	....	....	....	.09	.57	.91	.19	.09	....	....	....	....	....	.25	....	T.	....	....	....	....	....	....	....	....	.20	....	....	2.43
Pickens	do	.26	.05	.07	....	....	....	....	.38	.24	.51	.23	.02	....	....	....	....	....	.10	T.	....	....	....	....	....	....	....	....	.15	.40	....	....	2.41
Roanoke	West Fork	T.	....	.03	.22	....	....	....	.25	1.12	.23	.08	.03	....	....	....	....	.15	.02	....	....	....	....	....	....	....	....	....	....	.22	....	....	2.35
Rockford†	do	T.	....	T.	.14	....	....	T.	.14	1.39	.15	.18	.12	....	....	....	....	.03	....	....	....	....	....	....	....	....	....	....	....	.19	....	....	2.34
Rowlesburg[2]	Cheat	.08	....	....	.27	....	T.	....	.08	.46	1.73	.58	.18	....	....	....	....	....	T.	....	T.	....	....	....	....	....	....	....	....	.89	....	....	4.27
Saint Marys[2]	Ohio	....	....	....	....	....	....	....	....	1.14	.77	.19	.09	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	2.23
Salem	West Fork	.05	.05	.09	....	....	T.	....	.07	1.55	.12	.10	.12	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	....	....	.12	....	....	2.31
Shinnston	do	.05	....	....	....	....	T.	.04	.50	.60	.90	.01	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.01	....	2.11
Terra Alta†	Cheat	.19	....	T.	.18	....	....	....	.12	1.22	.55	.25	.07	....	....	....	....	.14	....	T.	.01	....	....	....	....	....	....	....	.05	....	....	....	2.78
Thomas[2]	do	.14	.05	....	.34	....	....	....	.05	.50	1.39	.35	.26	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.56	....	....	3.64
Valley Chapel	West Fork	T.	....	.02	.11	....	....	....	.05	1.30	.39	.14	.19	....	....	....	....	....	.03	....	....	....	....	....	....	....	....	....	....	.14	....	....	2.37
Valley Head[2]	Tygart	.03	T.	....	.09	....	....	....	.04	.14	.30	.16	.31	....	....	....	....	....	.08	....	T.	....	....	....	....	....	....	....	....	.21	T.	....	1.36
Vandalia†	West Fork	....	....	....	.11	....	....	....	.17	.90	.19	.10	....	....	....	....	....	.09	....	....	....	....	....	....	....	....	....	....	....	.33	....	....	1.89
Wellsburg (near)	Ohio	....	....	.13	.14	....	....	....	.24	2.11	.20	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	2.98
West Milford	West Fork	....	.04	.05	.09	....	....	....	.15	1.48	.12	.17	.10	....	....	....	....	....	.05	....	....	....	....	....	....	....	....	....	....	.13	....	....	2.38
Weston[2]	do	.02	T.	....	.20	....	....	....	.06	.32	.95	.25	.10	....	....	....	....	....	.12	....	....	....	....	....	....	....	....	....	....	.22	....	....	2.24
Wheeling (Dam 12)[2]	Ohio	.09	T.	.02	.28	....	....	....	.10	1.17	1.50	.10	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	....	....	3.49
Southern Division																																	
Arbovale[2]	Greenbrier	T.	....	.08	.05	....	....	....	.42	.10	.40	.21	.20	....	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	.08	....	....	1.55
Beckley	New	T.	....	.02	....	....	....	....	.04	.16	.37	.04	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	T.	.42	....	....	1.05
Bluefield	New	....	....	....	.04	....	....	....	....	.15	.27	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	T.	....	....	.47
Camden-on-Gauley[2]	Gauley	.02	....	....	.17	....	....	....	.10	.12	.18	.08	.13	....	....	....	....	....	.03	....	....	....	....	....	....	....	....	....	....	.12	....	....	.95
Charleston[2]	Gr. Kanawha.	....	....	....	....	....	....	....	.11	.68	.85	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.38	....	....	2.06
Clay[2]	Elk	T.	....	....	T.	....	....	....	.03	.16	.22	.07	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.49	....	....	.99
Flat Top[4]	New	T.	....	T.	....	....	....	....	.03	.23	.31	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	.57
Gary[2]	Big Sandy	....	....	.03	....	....	....	....	.01	....	.62	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	....	.67
Greenbottom[2]†	Ohio	.03	....	.02	....	....	....	....	.08	1.83	.07	.03	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.04	....	....	....	2.10
Hinton[2]	New	....	....	....	....	....	....	....	T.	.03	.36	.02	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	....	.43
Hogsett[2]	Ohio	....	.03	....	.04	....	....	....	.04	.65	1.70	.04	.01	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.08	....	....	2.59
Huntington	do	....	....	.02	....	T.	....	....	.28	1.88	.04	.02	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.12	.15	....	....	2.51
Institute[4]	Gr. Kanawha.	.02	....	.05	....	.02	....	T.	.30	1.19	1.19	.04	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.38	....	....	....	3.19
Kayford[2]	do	....	....	....	....	....	....	....	*	....	.41	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.19	....	....	.60
Lewisburg	Greenbrier	T.	....	....	....	....	....	....	.02	.13	.22	.09	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	.51
Logan[2]	Guyandot	T.	....	....	T.	....	....	....	T.	.07	.22	.01	T	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.02	....	....	.32
London Locks[2]†	Gr. Kanawha.	T.	....	....	....	....	....	....	.08	.11	.36	.08	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	.66
Madison[2]	Coal	....	....	....	....	....	....	....	.06	.15	.24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.45
Marlinton	Greenbrier	.05	....	.07	.17	....	....	....	....	.43	.46	.18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	1.41
Point Pleasant[2]	Ohio	....	....	....	.05	....	....	....	....	.75	1.44	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.44	....	....	2.71
Princeton[2]	New	....	....	....	....	....	....	....	....	....	.45	.03	.07	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	.55
Rainelle	Greenbrier	.01	....	T.	.04	....	....	...	.06	.30	.75	.17	.01	....	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	.16	....	....	1.51
Ravenswood[2]	Ohio	....	.03	....	.10	....	....	....	....	.55	1.55	.03	.03	....	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	.17	....	....	2.47
Richwood[2]	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Continued on next page.

Daily Precipitation for April 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	.16	1.10	.22	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.67	....	....	3.1
Seneca State Forest†	Greenbrier	.60	....	....	.12	....	....	....	....	.85	.70	....	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.00	....	....	3.4
Spencer ²	Litl.Kanawha	....	....	....	.09	....	....	....	.04	.48	.77	.05	.08	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	.21	....	....	1.7
Summersville²	Gauley	....	....	....	....	....	....	....	.05	.20	.10	.10	T.	....	....	....	....	....	.03	....	....	....	....	....	....	....	....	....	....	.05	....	....	.5
Sutton	Elk	....	....	....	.08	....	....	....	.10	.40	.18	.15	.08	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.35	....	....	1.3
Thornwood²	Greenbrier	.01	....	....	.10	....	....	....	.72	.58	.03	.07	.01	....	....	....	....	....	.06	....	....	....	....	....	....	....	....	....	....	.09	....	....	1.6
Union ²	New	....	....	....	.03	....	....	....	....	....	.39	.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.4
Wayne ²	Twelvepole	....	....	....	....	....	....	....	.18	1.04	.71	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.04	....	....	2.0
White Sulp'r Spgs. ²	Greenbrier	....	....	....	....	....	....	....	....	.15	.40	.05	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.6
Williamson ²	Big Sandy	....	....	....	....	....	....	....	.03	.01	.16	T	.03	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	.2
Winfield Locks²†	Gr. Kanawha	....	....	....	.04	....	....	....	.13	.65	1.26	.09	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.21	....	....	2.4

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. ² Precipitation measured in morning; amount then recorded is for preceding 24 hours. ⁴ Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeeu, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for April 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard ³	Maximum	38	60	68	65	77	80	74	62	41	45	38	40	50	45	68	75	70	47	36	47	55	65	72	78	78	82	75	80	78	83	....	62.4
	Minimum	22	23	31	41	30	33	35	40	35	31	29	22	21	15	13	18	35	31	28	28	29	20	23	25	27	30	40	35	35	36	....	28.7
Beckley	Maximum	43	61	65	71	81	76	78	74	67	62	42	48	55	60	73	76	76	67	56	54	59	65	73	79	78	83	80	74	77	82	....	67.8
	Minimum	27	26	42	35	47	50	56	48	50	39	27	27	30	29	36	43	46	43	28	30	27	30	31	42	39	40	52	54	56	48	....	39.3
Bluefield	Maximum	41	60	64	63	*78*	80	78	75	68	58	51	*53*	58	64	72	76	76	75	67	*58*	62	67	73	78	*81*	*83*	83	79	78	85	....	69.5
	Minimum	28	30	46	43	*52*	51	60	57	50	44	36	*31*	28	37	42	48	54	50	31	*38*	42	36	38	52	*47*	*48*	47	54	57	54	....	44.4
Brandywine	Maximum	50	68	71	72	86	85	83	75	67	58	48	50	56	71	77	81	82	70	57	55	64	68	74	80	84	86	76	84	87	90	....	71.8
	Minimum	27	23	29	42	34	38	47	49	37	33	27	21	28	19	30	34	39	33	22	31	28	25	26	27	35	40	48	42	41	40	....	33.2
Buckhannon	Maximum	46	63	70	68	80	80	77	76	58	60	48	48	52	56	75	79	75	65	42	55	59	66	72	78	79	83	80	85	77	83	....	67.8
	Minimum	28	30	47	42	42	40	48	40	36	40	29	28	25	25	36	38	43	35	32	32	37	28	30	42	35	50	54	45	60	45	....	37.9
Cairo	Maximum	47	65	68	68	81	84	84	82	54	60	46	47	57	68	78	83	83	77	58	60	62	70	77	83	85	88	89	86	82	87	....	72.0
	Minimum	34	25	40	35	40	39	52	44	46	45	38	31	25	27	36	41	43	36	36	30	29	30	31	35	36	40	55	48	60	45	....	38.4
Charleston (Airport)	Maximum	49	70	70	78	86	84	85	56	64	55	46	54	63	72	81	86	80	62	44	62	68	73	80	85	87	90	88	81	85	94	....	72.0
	Minimum	30	28	41	36	47	42	53	46	48	42	31	27	28	32	39	44	48	40	28	30	29	32	36	38	39	41	52	52	54	49	....	39.4
Clarksburg ³	Maximum	45	66	69	70	81	82	80	51	57	56	43	49	56	68	76	80	74	54	40	57	62	69	75	82	82	85	84	87	82	88	....	68.3
	Miuimum	32	34	35	46	40	41	41	43	42	43	36	32	26	26	26	38	42	37	38	35	29	29	31	34	36	38	42	48	49	46	....	37.2
Elkins	Maximum	42	62	69	68	79	82	78	70	56	54	41	44	52	66	73	77	74	59	38	52	57	66	74	79	80	85	80	83	78	86	....	66.8
	Minimum	29	36	49	45	40	42	53	46	50	35	30	29	27	25	36	40	44	38	34	34	30	30	32	35	38	41	56	52	57	47	....	39.3
Fairmont ³	Maximum	46	68	70	74	83	85	82	*53*	53	57	43	50	62	74	80	84	79	57	41	60	66	74	79	84	86	90	85	89	87	93	....	71.
	Minimum	32	34	43	48	48	46	53	42	42	43	36	30	29	29	38	45	47	38	38	36	32	33	36	38	41	45	51	52	60	48	....	41.
Flat Top	Maximum	40	59	64	67	78	77	74	64	51	53	40	44	54	62	70	74	72	59	43	49	56	63	70	74	78	77	76	71	74	81	....	63.8
	Minimum	23	28	41	41	51	47	56	50	42	32	26	25	30	31	32	38	44	32	26	28	35	31	32	36	46	41	54	49	45	42	....	37.8
Gary ³	Maximum	46	65	69	75	85	81	81	63	70	60	*52*	52	61	68	76	80	80	68	53	58	64	71	76	80	82	85	85	78	81	*88*	....	71.
	Minimum	28	25	25	35	37	43	44	52	58	52	41	32	28	30	36	38	42	43	30	36	28	30	33	34	38	38	48	51	53	47	....	38.5
Glenville	Maximum	48	68	71	75	82	86	85	83	59	62	46	49	61	73	81	84	85	78	60	61	68	73	82	86	89	91	91	89	85	94	....	74.8
	Minimum	34	27	43	39	43	41	51	48	47	43	36	34	27	29	37	42	46	39	38	35	30	32	34	37	38	42	55	50	61	47	....	40.2
Grafton	Maximum	39	43	58	52	64	79	84	77	52	58	46	49	58	70	77	84	79	75	54	57	62	73	80	85	85	90	89	90	90	90	....	69.6
	Minimum	27	31	36	37	41	42	46	38	42	39	28	25	22	23	33	37	39	30	33	32	26	26	29	33	34	38	51	45	55	43	....	35.4
Huntington	Maximum	52	71	70	77	86	84	86	80	57	56	48	57	64	73	82	84	80	76	58	65	70	73	81	87	88	92	89	84	85	94	....	75.0
	Minimum	34	36	54	39	54	47	61	46	49	47	37	32	33	38	44	47	51	45	35	33	34	38	38	42	44	45	55	56	57	53	....	44.
Lewisburg	Maximum	44	64	69	73	84	82	77	69	61	59	45	49	60	67	76	80	79	66	54	55	64	71	76	81	85	87	83	74	80	88	....	70.
	Minimum	26	28	43	43	43	46	55	59	45	41	30	30	30	30	37	42	42	46	28	33	34	33	37	40	42	43	59	49	57	50	....	40.7
Logan ³	Maximum	49	71	73	78	88	85	86	55	74	57	54	58	66	74	83	84	84	71	56	64	70	75	82	84	90	90	90	80	87	95	....	75.
	Minimum	32	29	29	40	40	45	45	55	50	53	43	30	30	34	41	41	46	45	34	35	32	33	37	39	42	43	45	55	57	51	....	41.
Madison³	Maximum	48	70	71	79	88	85	87	54	77	70	58	58	65	73	83	84	81	68	45	63	68	75	82	85	88	92	88	81	88	94	....	74.9
	Minimum	28	26	32	36	40	42	48	48	47	49	41	28	31	33	39	42	45	42	31	33	29	33	34	36	38	41	51	53	58	49	....	39.4
Mannington	Maximum	46	65	67	70	81	81	78	76	50	56	43	50	57	70	77	81	78	73	48	58	64	70	76	82	83	88	84	86	84	89	....	70.4
	Minimum	32	27	28	48	38	39	48	41	45	40	32	26	26	25	35	38	42	32	37	34	26	28	31	34	36	40	55	47	59	43	....	37.
Marlinton	Maximum	44	66	67	72	84	83	81	*72*	63	55	53	50	59	70	76	80	78	*66*	60	55	65	73	80	84	85	88	85	82	83	92	....	71.7
	Minimum	27	23	29	35	31	35	41	*51*	44	38	30	29	26	22	29	32	*36*	36	25	32	28	26	28	29	32	36	50	41	52	43	....	33.9
Martinsburg ³	Maximum	55	70	73	73	84	88	85	65	58	50	53	52	58	70	80	85	78	63	55	57	65	78	78	85	89	90	85	70	84	94	....	72.3
	Minimum	38	36	38	50	48	46	50	58	40	36	36	36	33	30	30	42	48	46	40	43	43	38	40	42	43	47	50	46	46	54	....	42.4
Morgantown	Maximum	44	65	74	75	80	78	80	74	47	46	42	46	52	68	73	76	79	80	78	73	*60*	*70*	76	81	80	82	80	80	85	87	....	70.4
	Minimum	30	35	40	36	37	36	35	40	42	39	30	28	28	33	34	40	39	40	38	40	*29*	*28*	*31*	36	34	40	40	38	43	49	....	36.3
New Martinsville	Maximum	48	68	67	73	83	83	80	77	53	54	46	52	60	72	79	85	81	78	52	63	67	72	80	85	88	91	38	90	86	93	....	73.
	Minimum	34	32	52	47	45	43	52	42	42	41	35	32	29	29	40	44	47	39	37	35	32	35	36	45	40	46	56	51	56	48	....	41.4
Parkersburg	Maximum	51	69	65	73	84	82	81	63	57	56	44	52	59	71	78	83	78	56	42	59	64	69	77	82	85	87	86	83	85	91	....	70.9
	Minimum	35	40	52	40	58	48	60	42	44	42	34	32	31	34	45	48	51	41	38	34	38	38	40	44	45	49	62	57	60	53	....	44.3
Pickens	Maximum	40	60	66	68	80	81	76	68	60	55	45	41	53	57	66	76	78	61	49	50	61	66	75	81	80	84	81	83	73	87	....	66.
	Minimum	25	27	42	40	43	47	52	45	46	32	28	25	22	35	40	43	42	33	27	28	26	29	32	39	39	44	53	52	52	48	....	37.
Point Pleasant	Maximum	42	69	74	76	83	83	82	82	54	54	45	55	62	71	80	85	86	76	52	61	67	71	77	85	86	91	88	89	85	92	....	73.
	Minimum	32	38	44	36	49	42	57	44	42	42	36	30	28	32	40	44	47	43	36	34	35	39	40	44	45	48	57	55	57	54	....	42.
Rainelle	Maximum	41	63	65	71	82	82	78	76	59	54	40	46	53	67	73	76	75	64	55	55	62	68	76	81	81	81	79	75	80	87	....	68.
	Minimum	25	20	30	32	35	34	46	51	46	40	28	27	26	23	29	35	32	40	26	31	25	25	26	29	31	32	47	49	55	40	....	33.
Speucer ³	Maximum	48	52	68	73	85	83	83	*64*	62	55	45	53	60	71	81	81	77	59	*51*	62	67	72	79	84	89	89	88	83	82	91	....	71.
	Minimum	34	33	40	36	40	41	58	45	44	*42*	40	29	26	29	38	41	46	42	41	33	29	31	34	37	39	41	58	56	56	48	....	40.
Suttou	Maximum	46	69	69	73	84	84	83	83	60	60	45	50	58	71	76	79	79	71	63	59	64	71	79	83	87	89	89	88	82	92	....	72.
	Minimum	33	26	26	40	42	40	51	49	47	45	33	34	26	27	36	40	43	39	32	37	29	31	32	36	37	41	58	50	58	48	....	38.
Wardensville ³	Maximum	49	65	71	72	85	85	81	64	*54*	48	47	46	55	70	76	80	81	57	49	54	62	70	74	82	84	85	67	74	81	89	....	68.
	Minimum	34	25	37	45	36	43	47	54	39	35	36	33	29	23	34	39	44	41	36	39	39	32	31	33	37	41	50	41	51	46	....	38.
Weston	Maximum	48	68	75	71	84	83	82	80	55	55	50	50	58	70	78	83	80	72	52	60	66	70	78	84	86	88	86	88	89	92	....	72.
	Minimum	33	35	52	45	64	54	53	48	48	49	40	32	30	29	58	43	49	41	38	37	33	34	35	39	40	44	60	50	60	49	....	44.
Wheeling³	Maximum	49	65	63	68	76	79	71	55	54	53	47	48	57	66	74	80	75	54	43	58	63	71	78	83	85	89	85	86	83	89	....	68.
	Minimum	32	37	40	47	45	46	46	39	39	42	38	32	29	30	32	44	47	36	39	35	33	34	35	38	41	44	48	52	55	49	....	40.
Williamson³	Maximum	50	70	73	80	85	83	84	57	70	58	*54*	59	66	72	83	85	83	70	55	64	70	76	80	83	87	89	88	76	88	94	....	74.
	Minimum	34	30	31	41	43	46	46	56	52	54	43	30	31	32	42	43	48	47	36	36	34	34	37	40	43	44	45	53	58	53	....	42.

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	.146	.146	.141	.147	.120	.198	.051	.149	.129	.164	.148	.174	.203	.181	.031	.142	.194	....	4.22
	Wind movement	173	68	86	94	69	89	87	150	89	63	118	141	71	30	31	49	18	59	80	48	77	38	26	17	16	28	16	21	32	23	....	1,9
Wardensville	Evaporation	....	....	....	....	....	....	....	....	....	....	....	.110	.103	.051	.266	.173	.171	.235	.203	.098	.096	.145	.211	.208	.230	.252	.231	.101	.134	.161	....	5.01
	Wind movement	136	72	62	66	50	40	24	55	79	65	72	99	70	38	30	38	29	87	76	77	70	63	47	37	37	44	55	29	43	18	....	1,7

³ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 5-25-42—925)

JUL 1942
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., MAY 1942 No. 5

GENERAL SUMMARY

During the month of May, mean temperatures averaged above normal at all stations but three. The warm periods were: 1st-4th, 12-15th, 28th-31st. The cold periods were: 5-6th, 11th, 21st-25th. Freezing temperature occurred at a few places in mountain areas on the 6, 10, 11, 12, 17, and 26th.

Precipitation averaged well above normal in all three divisions, while, in the northeastern panhandle division it averaged about two inches above normal. The excess ranged up to 3.59 inches in the northern part of the northeastern panhandle division. A narrow area comprising roughly the central portion of the State from near the northern border to the southern boundary line had deficiencies of from one-half inch to a little over one inch. During the first week of the month, forest fires were causing much damage to the timbered areas. However, the rains of the first decade were sufficient to effectively quench them. On the 2d a bolt of lightning killed two men who had sought shelter from the storm under a tree near Ceredo.

The growth of vegetation was good during the month. Wet soil hindered planting and cultivation in some places during the latter part of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 63.5°, or 1.8° above the normal. The mean for the northeastern panhandle division was 63.8°; for the northern division, 63.3°; and for the southern division, 63.6°. The highest monthly mean was 67.3° at Huntington and the lowest, 55.7° at Bayard. The highest temperature was 98° at Hinton on the 1st and the lowest, 27° at Terra Alta on the 26th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 128 stations, was 4.61 inches, or 0.66 inches above normal. In the northeastern panhandle division the average was 5.58 inches; in the northern division, 4.42 inches; and in the southern division, 4.39 inches. The greatest monthly precipitation was 8.49 inches at Spruce Knob, and the least, 2.64 inches at Ravenswood. The greatest amount in any 24 consecutive hours was 3.00 inches at Slaty Fork on the 16th. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	1	1	1	9	3	..	3	6	5	30	6	15	4	3	3	30	16	2	11	9	3	3	10	6	19	1	16	10	5	8
Frosts, killing	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	1	3	1	..	1	2	2	..	..	..	2	..	2	1	1	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..
Hail	1	3	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	1	1	..	..	..	..	..	..	..
Halos, lunar	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Halos, solar	..	..	..	..	..	1	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	13	13	22	13	..	14	15	..	..	..	..	9	5	..	2	..	..	1	13	5	4	2	3	1	..	..	1	..	..	7	5

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.01	30.34	5	29.59	15	7.1	22	w.	6	85	55	62	56
Columbus, Ohio	30.01	30.34	5	29.64	15	9.3	41	sw.	3	80	56	67	50
Elkins	30.04	30.26	5	29.74	15	5.7	24	w.	3	83	53	69	49
Huntington Airp't	30.03	30.32	5	29.65	15	......	27	sw.	4	84	51	68	....
Parkersburg	30.02	30.33	5	29.68	15	5.1	20	sw.	12	82	56	64	48
Pittsburgh, Pa	30.02	30.31	5	29.70	15	9.7	29	sw.	12	81	54	65	50

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	..	..	2.38	3.11	3.60	3.18	......	..	..	..	..
1892	62.2	96	32	3.62	6.67	4.83	5.04	......	..	..	..	..
1893	59.5	92	30	4.90	4.35	4.84	4.51	......	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	......	13	16	9	6
1895	61.6	**105**	20	3.18	2.18	2.80	2.60	......	9	12	11	8
1896	**68.3**	95	33	2.92	3.50	2.71	3.01	......	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	......	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	......	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	......	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	......	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	......	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	......	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	.1	10	14	9	8
1910	57.9	96	**19**	2.45	4.05	4.56	3.92	.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	.0	11	15	8	8
1913	61.6	95	**19**	5.54	5.60	4.50	5.16	.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	**55.5**	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	**55.5**	93	23	8.74	7.12	6.72	**7.20**	.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	**19**	1.67	1.22	1.50	**1.38**	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	.0	11	10	11	10
Period	61.7	105	19	3.69	4.12	3.84	3.95	T.	11	13	9	9

Climatological Data for May 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	55.7	−0.7	85	§3	28	11	4.87	+0.57	1.73	16-17	0.0	10	17	7	7	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	66.0	.....	90	§1	45	§4	3.69	......	1.50	22	.0	5	19	2	10	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	61.3	+2.7	92	1	32	11	5.89	+2.81	1.55	16	.0	11	19	1	11	s.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	.....	....	....	....	....	5.46	+2.02	1.30	23	.0	12	....	....	....	.....	Miss Eleanor White
Inwood	Berkeley	569	10	66.0	.....	97	13	36	11	6.74	......	2.10	22	.0	9	9	15	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	66.0	+2.6	91	§1	37	11	6.38	+2.89	1.91	21	.0	10	10	18	3	s.	University Exper. Station
Martinsburg	Berkeley	435	50	67.2	+4.4	95	§1	41	§11	6.98	+3.59	2.80	22	.0	13	21	8	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	61.3	+1.1	95	1	29	11	5.88	+2.65	1.77	20	.0	12	4	15	12	w.	R. E. Saville
Piedmont	Mineral	1,053	29	63.7	+3.7	94	1	41	§6	6.58	+2.93	1.79	16	.0	10	9	13	9	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	65.4	+2.5	93	1	36	11	4.78	+1.25	1.06	16	.0	12	13	9	9	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	.....	....	....	....	....	4.58	−0.02	1.90	16	.0	9	4	6	21	w.	Fred Becker
Wardensville	Hardy	1,200	21	63.2	+3.8	92	1	34	11	5.34	+2.38	2.18	22	.0	13	7	15	9	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	....	....	....	....	3.58	−0.29	1.00	16	.0	12	2	18	11	.....	L. Esle Bond
Alpena	Randolph	2,571	11	58.2	+2.1	85	§1	31	26	4.94	−0.53	1.20	16, 20	.0	11	8	13	10	.....	Christian Hertig
Benson	Harrison	1,080	18	64.2	+3.4	95	1	37	5	4.30	+0.37	1.10	16	.0	16	9	14	8	.....	R. D. Marts
Bens Run	Pleasants	652	40	65.2	+2.2	94	31	40	5	4.83	+0.83	1.77	16	.0	15	18	9	4	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	59.4	.....	89	1	35	5	5.40	......	1.50	16	.0	13	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	19	64.6	+3.0	92	§1	39	11	3.38	−0.85	1.40	16	.0	11	10	13	8	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	45	62.0	+0.9	87	§1	32	11	4.09	−0.34	1.08	16	.0	10	14	10	7	.....	H. A. Darnall
Cairo	Ritchie	680	41	64.6	+1.5	93	2	37	5	4.38	+0.96	1.24	7	.0	13	10	15	6	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	61.5	+1.2	93	1	38	17	4.62	+0.94	1.78	7	.0	14	9	7	15	w.	Clarksburg Water Board
Creston	Wirt	640	40	65.1	+2.0	94	1	39	5	4.57	+0.86	1.00	20	.0	9	6	12	13	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	....	....	....	....	4.88	+0.81	1.09	7	.0	19	....	....	....	.....	Lockmaster
Dam 13 O. R	Marshall	655	26	....	.....	....	....	....	....	5.47	+2.05	2.20	16	.0	12	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	....	....	....	....	3.53	−0.07	1.00	16	.0	14	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	....	....	....	....	3.72	+0.30	.80	7	.0	15	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	26	....	.....	....	....	....	....	4.72	+1.26	1.20	7	.0	11	....	....	....	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	30	....	.....	....	....	....	....	5.53	+2.10	1.40	20	.0	12	....	....	....	.....	Lockmaster
Elkins	Randolph	1,927	41	61.6	+2.4	88	3	39	26	4.90	+0.85	1.53	21-22	.0	14	3	11	17	w.	U. S. Weather Bureau
Fairmont	Marion	883	36	64.7	+2.6	94	1	41	§5	3.85	−0.03	.95	16	.0	16	14	6	11	w.	J. C. Robinson
Glenville	Gilmer	738	48	66.4	+2.8	95	1	39	5	3.27	−0.85	.92	16	.0	12	7	13	11	w.	Howard R. Braunon
Grafton	Taylor	1,050	49	62.8	+1.3	92	§1	36	§5	5.52	+1.84	2.38	7	.0	16	15	6	10	.....	L. W. Clayton
Grantsville	Calhoun	900	1	67.2	.....	93	1	40	17	3.10	......	1.19	19	.0	6	6	19	6	n.	James Roberts
Hastings	Wetzel	809	7	....	.....	....	....	....	....	4.41	......	1.09	16	.0	16	6	10	15	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	....	....	....	....	3.89	−0.71	1.01	16	.0	12	....	....	....	.....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	63.6	+3.2	92	§1	37	17	3.67	−0.48	1.00	7	.0	9	15	12	4	n.	Mrs. Gladys Edmonds
Mannington	Marion	974	39	62.6	+2.2	91	1	37	5	4.29	+0.28	1.24	15-16	.0	19	9	10	12	w.	James A. Morgan
Middlebourne	Tyler	750	1	62.0	.....	96	1	36	5	3.77	......	1.08	16	.0	12	12	8	11	sw	L. A. Crumrine
Morgantown	Monongalia	1,300	49	....	.....	....	....	....	....	....	......	....	.....	...	....	....	....	....	.....	State Horticultural Farm
New Cumberland	Hancock	671	44	63.6	+3.4	94	1	35	§5	5.12	+1.72	2.03	15-16	.0	10	9	2	20	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	65.6	+2.6	95	1	38	5	5.27	+1.60	1.88	16	.0	16	15	9	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	64.4	+0.6	93	1	41	17	3.87	+0.49	1.24	15	.0	12	7	14	10	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	63.2	+4.4	90	3	40	§5	4.64	+0.51	1.66	16	.0	13	5	13	13	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	....	.....	....	....	....	....	4.08	−0.19	1.25	16	.0	13	....	....	....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	57.8	−0.3	87	§1	32	17	5.81	+0.56	1.61	22	.0	10	11	12	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	....	....	....	....	3.31	−1.05	1.16	15-16	.0	11	12	9	10	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	62.2	.....	91	1	41	5	6.17	+1.54	1.84	7	.0	9	7	8	16	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	....	....	....	....	4.77	+1.26	1.55	16	.0	12	....	....	....	.....	Edward Hughes
Terra Alta	Preston	2,559	41	62.4	+5.0	88	4	27	26	4.26	−0.72	2.00	7	.0	10	9	4	18	e.	Edward R. Wagner
Thomas	Tucker	3,000	13	....	.....	....	....	....	....	5.25	0.00	2.00	16-17	.0	8	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	65.6	+4.0	96	1	39	5	4.16	+0.27	1.17	7	.0	11	9	13	9	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	62.8	+2.6	95	1	33	§5	5.11	+1.91	2.71	15-16	.0	11	12	8	11	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	....	....	....	....	4.50	+0.77	1.11	7	.0	14	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	47	66.1	+3.4	95	31	42	§1	3.76	−0.08	1.24	16	.0	13	....	....	....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	63.0	+1.2	93	1	41	5	5.05	+1.95	2.18	16	.0	13	9	10	12	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	.....	....	....	....	....	6.35	+2.94	2.50	16	.0	8	11	9	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	61.7	+1.8	86	18	33	17	3.62	−0.01	.66	7	.0	8	13	12	6	.....	L. A. Mauck
Bluefield	Mercer	2,558	47	63.2	+1.6	85	§1	40	§11	5.08	+1.96	1.65	19-20	.0	12	14	10	7	.....	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	64.9	.....	94	§1	40	§5	3.95	......	.89	15	.0	12	6	11	14	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	58.2	.....	84	1	36	11	4.36	......	1.52	15	.0	15	10	9	12	s.	U. S. Airway Station
Gary	McDowell	1,426	26	63.1	+2.0	89	§1	37	10	4.01	+0.04	1.01	22	.0	12	....	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	65.4	.....	92	§1	36	5	5.96	......	1.36	15	.0	11	3	16	12	sw.	State Forest Nursery
Hamlin	Lincoln	.....	..	....	.....	....	....	....	....	....	......	......	.....	...	....	....	....	....	.....	James J. Jeffries
Hinton	Summers	1,431	45	65.3	+1.9	98	1	39	10	5.35	+1.80	1.64	22	.0	10	....	....	....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	45	67.3	+2.6	94	31	41	5	4.07	+0.10	1.13	14-15	.0	13	8	15	8	sw.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	.....	....	....	....	....	3.06	−1.34	.91	16	.0	8	....	....	....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	63.0	+2.9	90	31	36	§10	3.51	+0.15	.86	20	.0	10	8	12	11	.....	J. K. Monroe
Logan	Logan	700	39	66.4	−0.6	96	§1	42	10	3.56	−0.55	.81	2	.0	11	5	16	10	.....	Paul A. Simonds
London Locks	Kanawha	623	6	65.0	.....	92	1	44	10	3.12		.85	16	.0	9	10	12	9	.....	Lockmaster
Madison	Boone	675	21	64.6	+0.8	92	1	40	10	3.05	−1.28	.75	16	.0	10	13	9	9	.....	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	62.3	+5.3	94	1	33	10	6.85	+2.91	2.60	16	.0	10	3	21	7	sw.	Edward A. Moore
Oak Hill	Fayette	1,950	..	61.8	.....	87	§1	33	10	3.80	......	1.36	20	.0	10	11	6	14	.....	W. E. Holy
Pineville	Wyoming	1,350	2	66.0	.....	95	31	37	10	3.25	......	.98	7	.0	9	5	19	7	.....	Charles Dameron
Point Pleasant	Mason	595	43	66.8	+2.1	95	1	40	9	4.25	+0.26	1.63	16	.0	8	17	9	5	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	59.8	+1.7	86	§1	30	10	5.02	+0.55	1.10	21	.0	12	14	4	13	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	65.6	+3.7	92	1	35	5	2.64	−1.07	.78	16	.0	11	12	1	18	sw.	Lockmaster
Richwood	Nicholas	2,193	12	....	.....	....	....	....	....	....	......	....	.....	...	....	....	....	....	.....	Cherry River Paper Co.
Ripley	Jackson	610	..	66.2	.....	93	1	36	5	3.18	......	1.02	22	.0	7	15	4	12	s.	Sattis Simmons
Ryan	Roane	700	39	61.3	+0.1	93	1	35	5	3.53	−0.11	1.02	22	.0	11	6	17	8	.....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	58.0	....	90	1	29	10	7.38	......	2.00	16	.0	10	17	7	7	.....	Supt., State Forest
Spencer	Roane	789	38	63.2	+1.2	95	1	37	5	4.04	+0.39	1.18	20	.0	11	14	15	2	.....	A. M. McKown
Summersville	Nicholas	1,900	6	61.6	.....	90	1	35	10	3.64	......	.76	22	.0	11	7	11	13	.....	A. E. Dorsey
Sutton	Braxton	850	36	65.2	+1.9	95	§1	41	10	5.90	+1.54	2.58	20	.0	10	19	9	3	.....	C. B. Eakle
Union	Monroe	2,200	38	61.6	+0.7	90	§1	31	10	4.11	+0.91	1.49	22-23	.0	8	16	1	14	.....	C. B. King
Webster Springs	Webster	1,500	10	63.0	.....	90	§1	....	....	5.25	......	1.51	21	.0	12	3	15	13	ne.	Miss Annie Laurie Criss
White Sulphur Springs	Greenbrier	1,914	32	61.4	+0.9	91	§2	30	11	5.00	+1.53	1.50	20	.0	8	22	2	7	.....	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	66.6	+1.6	94	31	44	10	2.88	−1.20	.73	16	.0	11	10	14	7	nw.	J. E. Dotson
Winfield Locks	Putnam	571	4	64.5	.....	95	1	41	§5	3.72	......	1.46	20	.0	9	11	8	12	sw.	Lockmaster
State averages and	extremes	......	....	63.5	+1.8	98	1	27	26	4.61	+0.66	3.00	16	0.0	11	10	11	10	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ᵃ one day, ᵇ two days etc. § Also on other dates.

Daily Precipitation for May 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac				.94			.48		T.	.04	.18					1.68	.05			.28	T.	1.05	.15	.02								4.87
Brandywine	do	T.	.45					.40		.05				.14		.20	1.55			T.	1.17	.41	1.45	.05		.02							5.89
Brushy Run[2]	do			T.	.15			.69	.03	T.			T.	.30		T.	1.78				.51	.11	2.93	.16				T.					6.66
Harpers Ferry[2]	do			T.				.32		.02	.02	.03		.50		T.	.93	.66			.66	.30	.67	1.30				.05					5.46
Inwood	do		.02					.52		T.	.02		.36				1.00				.24	2.00	2.10					T.				.48	6.74
Kearneysville	do		.03	T.				.32		.04	T.		.17	.40			1.53	T.			.27	1.91	1.69					T.				.02	6.38
Knobly Mountain[2]†	do				.17			.40				.10		.27		T.	1.31	T.			1.02	T.	1.27	.26								.10	4.90
Martinsburg[2]	do		.05	.10	.05			.75		.03		.01		.15			.95	.10			.95	.46	2.80	.58				T.					6.98
McNeill†	do		.17	.25	.05			.55		T.	.04		T.	.05	T.	.06	1.25				1.77	.73	.92	T.								.04	5.88
Petersburg	do		.02	.11	.11			.28						.07		.05	1.43				1.14	.55	1.38										5.14
Piedmont	do				.92			1.47	.02		.12		.02			.06	1.79				.53	.50	1.15										6.58
Romney	do		.20		.09		T.	.38			08			.25		.05	1.06				.73	.84	.63								.42	.05	4.78
Spruce Knob[2]†	do		T.	T.	.24			1.18	.08	.14	T.			.27		.22	2.74				.48	1.20	1.57	.24	.13			T.					8.49
Stony River Dam[2]†	do			.54				.20				.10				.04	1.90				.38	.24	1.13	.05									4.58
Wardensville[2]	do			.13	.06			.44		T.		.08		.15		.03	1.14	.07		T.	.60	.38	2.18	.06	T.			.02					5.34
Northern Division																																	
Aberdeen†	West Fork		.24		.27		.03	.71	T.		.03	T.		.02		T.	1.00			T.	.23	.16	.65	.11	.13	T.							3.58
Alpena	Cheat				.56			.65	T.	.06	.10			T.	T.	.27	1.20				1.20		.80	.05	.02	.03							4.94
Beliugton[2]	Tygart		T.		1.54	T.		.54	T.	T.	T.	.08		T.	T.		1.40	T.			.33	.04	.95	.03	.06			T.					4.97
Bensou†	West Fork			.27	.05			1.05	.02		.05	.05	.05	.08		.15	1.10			.05	.30	.15	.80	.08	.05								4.30
Bens Run	Ohio		.15	.38	.05		.14	.55	.07		.10		.25			.12	1.77			.03	.17	.20	.74	.11									4 83
Big Skin Creek†	West Fork		.21		.18		.15	.42				.02				.17	1.05			.20	.18	.32	.75	.08									3.73
Brownsville†	do				.10		.05	.50						.01		.08	1.40			.05	.18	.16	.74	.11									3.38
Buckhanuon	Tygart		.13		.58		.03	.42	T.		T.			T.			1.08			.10	.26	.60	.67	.22		T.							4.09
Cairo	Litl.Kanawha	T.	.26		.12			1.24	.02					.11		.11	.80			.11	.12	.28	.68	.30	.23								4.38
Clarksburg[2]	West Fork		.38		.06			1.78			02	.01		.06	.07	.05	1.05				.10	.05	.66	.26	.07								4.62
Crawford	do	.12			.22		.05	.60			T.					.12	.75			.24	.16	.38	.71	.05									3.40
Creston[2]	Litl.Kanawha		.68		T.			.60	T.	T.				.10			.80			.05	1.00	.30	.34	.70									4.57
Dailey[2]†	Tygart		T.	T.	.58	T.		.42	T.	.01	T.	T.					1.23				.23	.06	1.34	.10	.03			T.					4.00
Dam 10, Mon. R.[2]†	Monongahela		.02	.44	.24	.03		1.09		.03	.02	.33	.01	.08			1.04			.01	.34	.30	.66	.18	.02		T.	.01				.03	4.88
Dam 13, O. R.[2]†	Ohio			.31				.52				.32		.02			2.20			.01	.31	.30	.45	.82				.08				.13	5.47
Dam 15, Mon. R.[2]†	Monongahela		.05	T.	.20	.03		.90			.02	.22		.02			1.00			T.	.06	.27	.47	.22	.05							.02	3.53
Dam 19, O. R.[2]†	Ohio		.52	.04	T.			.80	T.	.02	T.	.02		.20		.20	.65	T.		.06	.08	.68	.11	.29	.03			.02					3.72
Dam 20, O. R.[2]†	do		.70		T.			1.20						.18		.18	1.15			.06	T.	.70	.07	.30	.16			.02					4.72
Elizabeth (Dam 3)[2]	Litl.Kanawha		.02		T.		.40	.61	.04	T.				.04		T.	1.30	T.		.40	1.40	.43	.38	.43	.08	T.							5.53
Elk†	West Fork		.10					.94							.18		1.52				.23	.12	.73	.08	.06	T.							3.96
Elkins[1]‡	Tygart	T.		.56	.48		.07	.32	T.	.01	.01		T.			.41	.91			.36	.13	1.16	.40	.07	T.			.01			T.		4.90
Fairmont[2]	Monongahela		.16	.04	.16			.76		T.	.03	.21	T.	.03	T.	T.	.95			T.	.06	.29	.49	.23	.02	.01		.02				.39	3.85
Glenville[2]	Litl.Kanawha		.05		.13			.43						.06		.08	.92			.04	.29	.52	.36	.34	.05	T.							3.27
Grafton	Tygart		.09		.24			2.38		.01	.18	.01		.10	.01	T.	1.41				.11		.76	.11	.04	.03	.01	.03					5.52
Hackers Creek†	West Fork		.06		.19		.03	.89			.11		.03		.04		.86				.21	.40	.52	.10	.05								3.49
Hall[2]	Tygart		.04		.71			.46		T.	T.	T.		T.	T.	.02	1.19				1.12	.03	1.15	.04	.07			T.					4.83
Harrison Co. Airport[2]	West Fork		.24		.08	T.	1.35	.49	.01	T.	.04	T	.15	.15		.93	T			.10	.09	.30	.43	.12		T.	T.	T.					4.48
Hastings	Ohio		.16	.52	.03		.12	.57	.05		.19			.10		.19	1.09				.07		.97	.25	.02	.02		.06					4.41
Horner	West Fork		.20		.30		.12	.50						.20		.50	.95			.10	.35	.60	.40										4.22
Ireland	do		.23		.65			.51									1.00	.12			.04	.46	.85	.07	.14	.06							4.13
Jane Lew	do		.19		.16			.84			.04			T.	.22	.10	1.01				.24	.19	.72	.13	.05								3.89
Kumbrabow St. For.†	[2]Tygart																																
Lost Creek (near)	West Fork		.01		T.		T.	1 00					.01			.50	.50			.02	T	.64	.89	.10	T.	T.							3.67
Mannington	Monongahela		.25	.07	.13		.22	.89	.02		.26	.01	.04			.21	1.03			.07	.07	.11	.67	.19	.01	.01		.03					4.29
Middlebourne	Middle Is. Creek		.04	.56				.65		T.	.02	T.		.20			1.08			T.	.20	.24	.32	.28	.03			T.				.15	3.77
Midvale[2]†	Tygart		.14		1.49	.02		.53		.07					.19		1.07				.58	.06	1.08	.09									5.32
Morgantown	Monongahela																																
Mt. Clare	West Fork		.17		.09			1.05	.01							.16	.89	T.		.15	.05	.25	.71	.24									3.77
New Cumberland	Ohio						.23			.04					.05	.22	1.81			.65	.27		.92	.02			T.				.91		5.12
New Martinsville	do		.03	.20	T.		.43	.41	.01		.28		.14			.12	1.88			.04	.55	.25	.74	.07				.05			.07		5.27
Parkersburg[1]‡	do	.16	T.	T.	.02		.76	.03	T.		T.	T.	.29		.21	1.24			T.	.20	.42	.10	.38	.06			T.						3.87
Parsons	Cheat				.94		.01	.41	T.	.01	.04	T.		.01			1.66				.43	.40	.65	.03	.03			.02					4.64
Philippi[2]	Tygart		.03		.35			.88	.01	T.	T.	.01	T.	T.	.06	.09	1.25				.28	.02	.89	.11	.10		T.	T.					4.08
Pickens	do	.15			.51			.69	.08							.15	1.29			.08	.20	1.05	1.61										5.81
Roanoke	West Fork		.07		.22		.14	.39						T.		*	1.16				.01	.24	.22	.76	.10								3.31
Rockford†	do		.21		.10		T.	1.04	T.		.03	T.	T.	.03		.06	1.04			.40	.05	.18	.74	.09	T.	.03							4.01
Rowlesburg[2]	Cheat				1.04			1.84		.04		.33	T.				1.79	T.			.14	.05	.82	.12	T.		T.					T.	6.17
Saint Marys[2]	Ohio			.56				.83			.05	.05	T.	.21			1.55			.02	.22	.32	.58	.34	.04								4.77
Salem	West Fork		.27		.12		.20	1.26	T.		.03		T.	.05		.14	.85			.20	.58	.12	.83	.45	.03								5.13
Shinnston	do		.05		.20		.15	.80	T.		.15		T.	.13		.15	.95			T.	T.	.88	.75	.25	.02		.03						4.51
Terra Alta†	Cheat		.05		.90			2.00	.01		.04					T.	.50				.20	.30	.06	.20									4.26
Thomas[2]	do				.95			.46	.04								1.97	.03			.64		1.07	.09									5.25
Valley Chapel	West Fork		.21		.12		T.	1.17	T.		T.			.01		.13	1.02			T.	.22	.15	.77	.15	.21								4.16
Valley Head[2]	Tygart		T.		.82			1.20	.09	.07				.04			1.73	T.			.25	.02	1.15	.09	.01	T.							5.47
Vandalia†	West Fork		.16		.28		.09	.46						.42		.13	.96			.17	.19	.37	.72										3.95
Wellsburg (near)	Ohio		.04				.08	.25					.27			.59	2.12			.09	.33	.22	1.09					.03					5.11
West Milford	West Fork		.34		.15			1.11	.10		.02			.09		.15	1.00			.05	.17	.21	.81	.20	.10								4.50
Weston[2]	do		.10		.12			.64		.05				.04		.05	1.24			.02	.25	.14	.68	.38	.05								3.76
Wheeling (Dam 12)[2]	Ohio		T.	.01				.34	T.		.09	.39	T.	.07			2.18				.22	.50	.43	.65	.02			.07				.08	5.05
Southern Division																																	
Arbovale[2]	Greenbrier				.10			.60		.05				.11	T.		2.50			1.13	.10	1.76	T.	T.	T.								6.35
Beckley	New	T.			.40			.66								.33	.47			T.	.45	.65	.60		.06								3.62
Bluefield	New		.05		.10			.45		.07						.78	.44			.07	1.58	.56	.91			.02		.05					5.08
Camden-on-Gauley[2]	Gauley		.11		.74			.74	.03	.05					T.	.10	.58				.58	.26	1.33	.08	.03	.07	T.						4.70
Charleston (Airport)[4]	Gr. Kanawha	.01			T.		.24	.12	.01	.01			.07			.89				.85	.63	.10	.63	.39			T.	T.					3.95
Clay[2]	Elk		.04		.09			.59		.05				T.		.03	.93				.61	.27	.38	.21	.18								3.38
Flat Top[4]	New			.05	.04		.32	.24	.01	.02			.02		.01	1.52	.01			.29	.36	1.09	.31		.07								4.36
Gary[2]	Big Sandy		.02		.34			.61		.03						.11	.74				.75	.16	1.01	.11		.10		.03					4.01
Greenbottom[2]†	Ohio		.09				.43	.09								1.36	.57			1.16	.44	.30	.96		.36			.20					5.96
Hinton[2]	New				.10			.60		.04				.11	T.	.12	1.19				.49	.88	1.64	.18									5.35
Hogsett[2]	Ohio		.05	.02	T.			.41		.03						.65	1.41				.40	.50	.43	.53	.15	.02							4.60
Huntington	do		.18				.15	.15	T.				.23			1.13	.13			.15	.43	.39	.92	T.	.18		.01	.02					4.07
Kayford[2]	do		T.			.01		.62								T.	.91				.12	.50	.73	.04	.13								3.06
Lewisburg	Greenbrier				.02			.40		.03				T.		.27	.71	T		.07	.86	.50	.64	.01	T.								3.51
Logan[2]	Guyandot		.81		.02			.54	T.	.03			T.	.09			.71			T.	.16	.56	.34	.26		.04		T.					3.56
London Locks[2]†	Gr. Kauawha		.28		.13			.57								.04	.85	T.			.10	.50	.40	.23	.02	T.							3.12
Madison[2]	Coal		.02		.03			.47		.05							.75				.24	.69	.52	.20		.08							3.05
Marlinton	Greenbrier		.04		.24			.97		.05				.05		.28	2.60				.89	.88	.85										6.85
Pineville	Gr. Kanawha				.10			.98	T.	.05						.15	.60			.05	.33	.29	.70					T.					3.25
Point Pleasant[2]	Ohio		.09		T.			.78						T.		.58	1.63				.12	.45	.15	.45					T.				4.25
Princeton[2]	New		.41		.17			.70		T.				T.		.75	.44	T.			1.17	.43	1.51	.26	.07	T.							5.91
Rainelle	Greenbrier				.39			.62	T.	.07						.40	.95			.26	.40	1.10	.60	.03	.19	.01							5.02
Ravenswood[2]	Ohio		.04		T.			.75	T.					.03		.04	.78			.10	.18	.37	.06	.25	.04			T.					2.64
Richwood[2]	Gauley																																

Continued on next page.

Daily Precipitation for May 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha		.03				.02	.29					.05			.23	.35			.40	.82	.28	1.02	.04									3.53
Seneca State Forest†	Greenbrier		1.30		.21			.85		.09				.16		.09	2.00				1.09	.87	.72										7.38
Spencer [2]	Litl. Kanawha		.07					.36		T.				.09		.02	.90			.04	1.18	.44	.37	.55				.02					4.04
Summersville [2]	Gauley	.05	.05	.10	.38			.73								.15	.60				.62	.10	.76	.10									3.64
Sutton	Elk		.07		.47			.58		.10						.16	1.02			T.	2.58	.42	.45		.05								5.90
Thornwood [2]	Greenbrier				.29			.78	T.		.01			.15			2.00				.01	.80	1.30		.04								5.38
Union [2]	New			.25				.35						T.		.15	.53				.90	.44	1.38	.11									4.11
Wayne [2]	Twelvepole							.34		.01						.38	.89				.58	1.40	.50	.21	.04								4.35
White Sulp'r Spgs. [2]	Greenbrier				.05			.35		.05						.05	1.10				1.50	.50	1.40										5.00
Williamson [2]	Big Sandy		.34		.02			.50		.01							.73				.39	.25	.25	.23		.15		.01					2.88
Winfield Locks [2]†	Gr. Kanawha		.04					.18		T.				.01			.57				1.46	.84	.09	.39	.14								3.72

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, Loudon; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for May 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	84	80	85	68	70	73	57	47	62	55	70	75	80	78	65	68	70	78	75	71	62	65	61	62	62	75	75	75	84	83	85	71.0
	Minimum	37	39	45	55	39	31	35	38	39	41	28	30	45	40	41	52	40	35	36	51	50	50	44	37	38	30	35	40	40	40	51	40.4
Beckley	Maximum	83	81	85	80	75	76	76	70	61	67	73	77	81	80	73	67	76	86	78	75	68	62	65	63	66	73	74	81	85	82	82	74.9
	Minimum	52	54	57	56	43	47	54	40	38	35	37	54	49	54	59	49	33	48	57	56	52	51	45	40	38	41	53	48	52	56	55	48.5
Bluefield	Maximum	85	84	85	*80*	77	78	78	62	60	*64*	70	79	79	77	74	65	*72*	82	82	73	67	59	57	*63*	66	73	74	78	82	82	*82*	73.8
	Minimum	60	57	*60*	59	51	55	57	42	43	40	*41*	57	55	60	61	51	40	*53*	60	59	58	53	45	*42*	42	46	53	53	60	60	*59*	52.6
Brandywine	Maximum	92	86	84	81	78	75	72	60	68	70	74	83	84	74	72	76	75	85	80	70	71	74	68	72	69	78	80	81	83	89	90	77.2
	Minimum	46	47	50	55	38	36	54	42	41	34	32	41	48	51	54	57	33	40	54	53	54	52	39	40	36	33	48	45	47	51	56	45.4
Buckhannon	Maximum	87	82	85	82	69	79	67	58	66	66	62	80	82	83	78	69	69	81	79	75	71	60	65	67	66	77	80	86	84	87	87	75.1
	Minimum	47	54	55	57	49	42	50	42	43	46	32	45	48	50	56	45	36	44	59	55	55	45	45	43	40	42	57	52	52	67	65	49.0
Cairo	Maximum	92	93	86	90	72	79	65	58	70	72	74	83	84	86	84	73	72	84	87	78	75	61	68	71	72	78	80	86	88	90	91	78.8
	Minimum	48	55	56	59	37	40	50	48	41	47	41	47	49	54	60	50	39	47	61	62	54	54	51	43	49	42	56	49	52	59	59	50.3
Charleston (Airport)	Maximum	94	87	92	73	76	81	62	55	72	72	79	86	90	93	80	61	78	90	85	76	61	56	72	71	73	80	80	91	91	90	94	78.7
	Minimum	52	55	56	45	40	45	49	40	44	44	44	52	53	57	59	51	43	48	61	58	54	52	52	47	47	47	57	55	56	60	62	51.1
Clarksburg [3]	Maximum	93	84	89	71	73	82	59	52	69	59	78	81	86	80	74	56	75	85	79	75	60	58	67	66	68	76	76	86	88	90	90	75.0
	Minimum	48	52	56	59	39	40	46	47	46	47	41	41	49	51	54	52	38	40	48	59	55	54	49	42	43	40	41	49	51	53	59	48.0
Elkins	Maximum	88	83	88	72	70	75	61	49	65	59	71	80	83	79	73	63	71	84	78	72	64	62	63	64	65	73	76	82	85	86	86	73.2
	Minimum	49	57	57	57	42	43	45	43	45	44	41	48	52	54	63	51	40	46	59	58	56	51	48	43	44	39	53	50	53	57	59	49.9
Fairmont [3]	Maximum	94	87	91	71	75	83	61	53	71	65	78	84	90	87	76	*62*	77	90	82	76	*61*	58	68	70	69	80	79	89	91	87	91	77.3
	Minimum	51	60	61	60	41	46	52	47	46	49	43	47	51	53	62	56	41	47	59	61	55	55	50	45	48	43	54	52	56	61	63	52.1
Flat Top	Maximum	84	81	83	75	72	75	62	44	61	66	70	75	76	74	62	61	72	78	75	65	59	55	58	60	63	70	71	74	79	78	81	69.6
	Minimum	45	51	49	51	43	53	39	38	37	38	36	52	43	51	57	41	38	52	58	56	52	44	43	43	40	43	47	88	54	54	56	46.9
Gary [3]	Maximum	89	87	89	78	80	83	68	52	68	71	72	82	84	83	75	68	82	87	81	70	60	62	66	69	69	77	80	84	87	86	88	76.7
	Minimum	50	53	54	57	48	47	52	46	45	37	42	45	49	51	54	55	43	45	47	59	59	55	47	45	43	41	46	53	53	54	59	49.5
Glenville	Maximum	95	94	91	92	76	84	71	57	73	74	78	86	90	88	86	75	76	89	89	76	70	61	70	70	72	80	82	90	92	92	93	81.0
	Minimum	50	57	57	61	39	43	54	47	46	49	43	49	51	56	62	52	43	49	54	62	55	54	52	46	48	51	57	52	54	54	63	51.9
Grafton	Maximum	92	92	90	88	72	82	81	58	69	70	75	81	84	84	83	76	74	88	87	78	75	61	66	68	67	76	79	87	89	89	89	79.0
	Minimum	45	53	53	56	36	42	48	41	43	45	36	43	47	49	55	48	37	43	56	55	51	50	44	38	40	37	50	47	49	53	59	46.7
Huntington	Maximum	93	87	91	87	75	74	72	56	74	74	78	86	87	87	84	71	78	90	86	72	63	61	74	73	77	80	82	90	92	91	94	80.0
	Minimum	55	59	62	65	41	47	53	49	47	49	48	57	54	60	63	50	45	52	65	59	54	53	50	49	51	50	60	57	59	65	65	54.6
Lewisburg	Maximum	89	86	87	79	80	77	70	58	68	71	75	81	81	76	69	71	81	82	80	65	67	65	62	67	69	75	79	78	83	86	90	75.7
	Minimum	53	55	54	60	43	50	57	43	41	36	41	48	49	55	60	56	36	48	57	57	59	54	49	42	42	40	55	51	53	55	58	50.2
Logan [3]	Maximum	96	91	93	79	80	85	66	53	73	74	78	85	89	86	82	67	82	90	86	74	*63*	63	70	71	75	82	82	89	93	94	96	80.2
	Minimum	53	55	57	53	49	49	52	49	47	42	45	52	54	55	60	53	45	49	52	63	55	55	52	49	50	47	50	58	57	60	62	52.5
Madison [3]	Maximum	92	91	87	77	78	82	69	54	72	71	55	87	88	90	80	65	79	*90*	85	75	*61*	59	70	70	71	79	82	89	91	90	91	78.1
	Minimum	52	55	57	59	45	44	50	47	44	40	42	48	51	55	61	51	44	46	51	61	53	54	52	47	48	45	49	57	55	59	63	51.1
Mannington	Maximum	91	85	88	86	71	79	63	62	69	67	72	80	83	82	78	67	73	85	78	73	60	59	66	67	68	75	74	84	86	87	88	75.7
	Minimum	46	58	55	58	37	42	51	47	46	46	41	46	47	52	59	52	39	44	60	59	54	54	50	40	45	40	55	48	50	58	59	49.6
Marlinton	Maximum	94	90	90	86	83	82	74	64	67	67	76	83	81	80	74	72	81	85	80	76	66	70	61	67	68	76	*81*	84	*88*	89	90	78.2
	Minimum	42	51	47	53	40	40	55	42	40	33	36	39	51	50	58	54	37	42	52	56	56	53	44	41	38	36	*48*	48	*48*	50	57	46.4
Martinsburg [3]	Maximum	95	89	90	87	75	84	78	67	77	67	77	88	88	84	80	75	75	81	80	76	80	83	75	78	70	80	81	81	89	93	95	81.2
	Minimum	55	55	56	56	49	47	47	48	50	50	41	41	52	57	64	62	50	48	48	58	64	66	53	50	50	46	48	56	58	62	66	53.3
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Martinsville	Maximum	95	90	90	84	84	78	63	55	74	70	76	83	87	89	84	72	77	88	81	75	63	60	70	70	76	80	77	89	92	94	92	79.3
	Minimum	51	58	65	60	38	46	49	48	46	48	44	50	51	56	53	50	42	51	63	55	53	53	50	46	49	51	52	53	56	62	62	52.0
Parkersburg	Maximum	93	85	90	69	70	69	63	55	72	60	73	83	87	83	74	62	75	87	77	70	61	56	68	66	72	80	75	86	89	91	90	75.2
	Minimum	57	61	65	48	41	50	49	48	44	49	41	59	55	64	60	47	41	54	64	54	52	52	51	50	53	50	60	55	60	66	66	53.7
Pickens	Maximum	87	87	85	78	71	75	58	48	59	62	72	78	82	78	62	57	50	61	61	68	62	60	51	55	63	65	79	82	83	78	81	69.0
	Minimum	51	53	53	53	47	46	45	38	41	45	37	37	51	54	48	45	32	43	53	52	51	46	42	38	40	35	48	60	54	54	54	46.6
Point Pleasant	Maximum	95	92	92	89	74	75	66	57	70	70	73	83	89	83	84	67	79	90	89	77	62	63	71	72	72	80	78	88	92	92	94	79.3
	Minimum	51	60	64	65	41	48	52	48	40	51	41	58	54	62	62	50	44	53	64	57	53	53	51	48	51	50	61	57	60	65	65	54.2
Rainelle	Maximum	86	83	82	81	77	78	76	58	65	67	72	80	83	78	66	65	79	79	79	66	64	60	62	65	66	74	75	79	81	84	86	74.1
	Minimum	42	49	47	52	44	42	55	40	40	30	34	40	44	49	59	49	35	42	53	56	54	52	47	39	37	35	50	46	47	51	54	45.6
Spencer [3]	Maximum	95	86	90	71	76	80	59	56	58	67	78	74	87	87	75	*62*	77	87	81	*62*	53	60	69	65	71	78	80	87	89	89	91	75.8
	Minimum	49	56	59	62	37	44	51	46	44	48	40	52	52	54	62	49	39	46	62	*53*	44	47	50	46	50	46	51	52	57	61	64	50.7
Sutton	Maximum	95	95	93	92	76	78	78	62	60	65	76	85	87	87	82	74	76	90	90	84	72	60	70	72	72	78	83	90	92	92	94	80.6
	Minimum	50	57	55	50	43	43	50	42	47	41	44	44	48	53	51	53	42	48	52	58	56	55	52	48	45	43	54	52	53	56	61	49.9
Wardensville [3]	Maximum	92	86	87	81	75	75	71	59	70	62	73	83	83	79	71	72	72	77	79	75	72	78	65	70	69	76	77	77	84	89	90	76.4
	Minimum	46	54	51	62	43	38	54	48	45	47	34	47	55	52	61	58	38	44	56	60	60	58	47	43	41	39	54	50	53	55	60	50.1
Weston	Maximum	91	88	91	74	76	82	75	58	71	65	80	85	89	86	82	70	80	89	82	78	65	60	78	70	71	80	82	90	91	93	95	79.6
	Minimum	51	61	64	42	44	47	55	45	48	50	42	60	52	56	60	50	42	48	65	60	59	55	51	45	48	44	58	51	55	60	62	52.6
Wheeling [3]	Maximum	93	85	88	70	70	69	55	63	71	65	73	80	84	84	74	74	73	85	80	63	70	70	68	65	71	77	71	85	88	86	87	75.4
	Minimum	44	54	64	62	41	42	48	48	47	47	42	43	52	55	62	46	46	42	51	60	52	53	51	47	46	46	50	54	54	59	64	50.7
Williamson [3]	Maximum	91	89	92	80	81	85	60	55	73	74	80	81	85	87	79	68	83	90	84	72	*63*	65	71	70	74	81	81	89	93	92	94	79.4
	Minimum	53	57	56	63	50	49	52	50	47	44	45	52	54	55	60	53	47	49	56	63	56	56	53	52	50	49	52	59	58	60	65	53.7

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.131	.075	.298	.336	.181	.192	.126	.157	.012	.188	.043	.103	.140	.201	.195	.086	.126	.155	.166	.082	.078	.130	.036	.088	.158	.091	.144	.190	.182	.240	.199	4.529
	Wind movement	17	14	40	34	67	29	37	99	44	66	15	8	29	22	24	29	61	21	19	15	23	14	19	14	50	6	45	17	11	26	31	946
Wardensville	Evaporation	.223	.247	.159	.199	.254	.222	.156	.272	.072	.240	.089	.132	.119	.241	.163	.085	.158	.162	.209	.140	.123	....	.178	.106	.209	.128	.173	.137	.206	.271	.133	5.380
	Wind movement	23	22	28	51	71	37	62	78	34	51	28	27	51	33	62	57	38	33	27	30	28	28	52	18	43	29	34	10	25	36	18	1,164

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 6-27-42—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., JUNE 1942 NO. 6

GENERAL SUMMARY

Temperature and rainfall were above normal. Only two stations reported mean temperatures below normal, both in the northeastern panhandle. The first decade was warm while the period 23d to 27th was quite cool. Relative humidity was high all during the month. Showers were frequent and well distributed, although the amounts showed considerable variation within short distances. The lightest rainfall occurred in the northeastern and the Ohio River Counties, while in the central and the mountain sections excesses of more than three inches were reported from several stations. Much storm damage occurred on the 7th. Two men were killed by lightning in Fayette County; one at Gatewood and the other at Harvey. Three small bridges in the Huntington area were washed away. Gimlet Creek, Cabell County, overflowed, causing many people to flee their homes. Near the Gilmer County town of Tanner, Old Fork and Tanner Creeks became torrents and carried off a house, a store and filling station and ruined bottomland crops. Some damage was also reported from Reedy, Roane County, mainly to electric power service and gardens.

Crop growth was good throughout the month. However, the frequency of the showers was such as to hinder harvesting of hay, barley, and wheat. Outdoor construction work was hindered to a considerable extent by wet weather.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 71.4°, or 1.7° above the normal. The mean for the northeastern panhandle division was 70.1°; for the northern division, 71.5°; and for the southern division, 71.7°. The highest monthly mean was 77.0° at Huntington and the lowest, 61.6° at Thornwood (Fire-weather Station). The highest temperature was 99° at Valley Chapel on the 11th, and the lowest, 35° at McNeill on the 15th, and Bayard and Seneca State Forest on the 24th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 127 stations, was 5.17 inches, or 0.69 inch above the normal. In the northeastern panhandle division the average was 4.16 inches; in the northern division, 5.38 inches; and in the southern division, 5.32 inches. The greatest monthly precipitation was 9.66 inches at Hackers Creek and the least, 2.19 inches at Ravenswood. The greatest amount in any 24 consecutive hours was 4.60 inches at Hackers Creek on the 7–8th. The average number of days with .01 inch or more of precipitation was 14.

WILLIAM ANKROM

Mr. William Ankrom, for more than thirty years cooperative observer at New Martinsville, W. Va., died June 19, 1942 at the age of 86. His interest in the Climatology of West Virginia was reflected in his accurate observations, and only illness compelled him to relinquish the work in November 1939. Truly a first citizen of his community, his loss is felt by all. The cooperative work continues in the family, as his son, Dr. Z. W. Ankrom, carries it on.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	..
Fogs, dense	14	3	14	15	12	10	7	13	8	2	3	5	4	3	2	5	8	28	1	1	1	1	8	10	25	2	6	14	17	6	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	3	2	..	..	..	2	..	..	..	..	..	..	1	..	1	..	..	1	..	2	3	1	1	..	..	..	..	..	2	..
Hail	1	3	1	..	2	2	1	1	..	..	..	1	1	..	..	..	..	..	..	..	3	3	..	..	..	1	..	..	..	1	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	..	..	..	..	..	..	1	1	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	9	23	12	11	2	6	25	16	4	3	15	18	17	7	..	3	..	..	15	6	12	29	2	..	..	6	2	2	..	10	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	29.96	30.22	27	29.65	11	5.4	21	sw.	20	89	69	64	65
Columbus, Ohio	29.96	30.24	27	29.67	12	7.7	39	w.	30	83	57	66	53
Elkins	29.98	30.28	26	29.70	14	4.9	25	ne.	4	90	61	81	57
Huntington Airp't	29.95	30.21	27	29.68	12	......	26	sw.	19	85	54	72	....
Parkersburg	29.96	30.23	27	29.67	12	4.8	26	nw.	2	84	58	68	48
Pittsburgh, Pa	29.97	30.25	14	29.68	28	8.8	34	sw.	12	83	58	68	56

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	..	..	3.40	5.40	4.97	5.02	......	..	..	..	..
1892	74.1	99	41	4.30	3.85	3.77	3.90	......	..	..	..	..
1893	70.2	99	40	2.06	3.51	4.87	3.81	......	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	......	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	......	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	......	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	......	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	......	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	......	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	......	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	......	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	......	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	......	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	......	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	......	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	......	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	......	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	......	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	......	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	......	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	......	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	......	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	......	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	......	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	......	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	......	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	......	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	......	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	......	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	......	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	......	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.31	4.66	......	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	......	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	......	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	......	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	......	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	......	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	......	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	......	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	......	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	......	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	......	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	......	7	18	9	3
1934	**74.3**	106	41	2.94	3.88	3.07	3.45	......	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	......	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	......	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	......	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	......	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	......	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	......	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	......	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	......	14	9	13	8
Period	69.7	109	27	3.96	4.63	4.44	4.48	......	11	13	10	7

Climatological Data for June 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	63.4	−0.1	85	§6	35	24	4.98	−0.15	1.18	8-9	0.0	14	19	8	3	sw.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	74.2	.....	91	1	44	20	4.40	......	1.00	26-27	.0	14	16	5	9	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	68.1	+1.1	92	12	38	24	3.68	−0 20	1.15	22	.0	14	14	2	14	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	.....	..	..	..	..	3.44	−0.21	.75	27	.0	12	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	71.1	.....	93	12	49	24	5.68	......	1.07	23	.0	11	7	16	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	71.7	−0.2	91	12	50	16	5.39	+1.76	1.67	23	.0	13	12	11	7	sw.	University Exper. Station
Martinsburg	Berkeley	435	50	73.2	+2.2	94	12	52	§17	4.65	+0.51	.80	2	.0	17	..	..	..	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	69.4	+1.6	95	12	35	15	3.77	+0.17	.95	12	.0	14	8	13	9	w.	R. E. Saville
Piedmont	Mineral	1,053	29	70.1	+2.0	89	§7	46	24	4.40	+0.40	.88	11	.0	15	8	10	12	se.	C. A. Suter, Jr.
Romney	Hampshire	824	44	....	.....	..	..	..	..	....	......	....	.....	...	..	..	..	..	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	.....	..	..	..	..	3.51	−0.51	.60	27	.0	15	0	13	17	w.	Fred Becker
Wardensville	Hardy	1,200	21	69.0	+3.5	90	§7	44	24	2.76	−0.24	1.22	22-23	.0	14	9	14	7	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	..	..	7.02	+2.66	1.57	26-27	.0	13	5	20	5	w.	L. Esle Bond
Alpena	Randolph	2,571	11	65.7	+1.8	88	6	37	24	6.16	+0.69	.80	27	.0	20	6	20	4	......	Christian Hertig
Benson	Harrison	1,080	18	72.7	+4.5	92	10	46	25	7.71	+3.40	2.60	8	.0	15	10	16	4	......	R. D. Marts
Bens Run	Pleasants	652	40	74.6	+3.8	94	§1	53	25	4.25	+0.03	1.27	3	.0	12	23	6	1	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	67.4	.....	88	§1	44	§18	4.38	......	.65	13,27	.0	12	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	73.4	+3.9	95	21	46	25	6.88	+2.57	1.39	13	.0	13	6	22	2	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	45	69.6	+1.2	87	§1	47	2	6.04	+1.33	1.23	27	.0	12	12	16	2	......	H. A. Darnall
Cairo	Ritchie	680	41	72.8	+2.5	92	§3	47	25	3.77	−0.74	1.15	14	.0	11	5	24	1	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	70.4	+1.0	90	§1	46	25	5.68	+1.41	2.40	8	.0	13	16	10	4	s.	Clarksburg Water Board
Creston	Wirt	640	40	73.6	+2.9	94	1	49	25	2.92	−1.46	.75	22	.0	9	4	19	7	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	..	..	4.92	+0.58	1.39	8	.0	13	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	.....	..	..	..	..	4.54	+0.71	1.58	3	.0	14	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	..	.	6.69	+2.70	1.45	20-21	.0	12	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	..	..	2.81	−1.11	.82	19	.0	12	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	.....	..	..	..	..	4.66	+0.67	.80	20, 22	.0	14	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	.....	..	..	..	..	4.75	+0.54	1.00	6	.0	12	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	69.2	+2.3	88	1	46	25	6.33	+1.27	2.10	7-8	.0	19	1	14	15	se.	U. S. Weather Bureau
Fairmont	Marion	883	36	72.6	+2.3	92	§1	49	25	7.47	+3.06	1.30	21	.0	15	14	7	9	w.	J. C. Robinson
Glenville	Gilmer	738	48	75.4	+4.3	95	1	50	25	4.81	+0.42	1.07	8	.0	11	13	11	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	69.8	+0.7	94	1	42	25	6.65	+2.52	1.43	13	.0	17	14	6	10	......	L. W. Clayton
Grantsville	Calhoun	900	1	72.9	.... .	93	8	..	..	3.18	......	1.10	8	.0	10	6	22	2	n.	James Roberts
Hastings	Wetzel	809	7	....	.....	..	..	..	..	3.71	......	.63	14	.0	18	12	10	8	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	.	..	7.03	+2.96	1.36	3-4	.0	13	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	72.4	+4.8	93	6	45	25	8.81	+4.48	4.20	7-8	.0	13	17	10	3	nw.	Mrs. Gladys Edmonds
Mannington	Marion	974	39	70.2	+2.4	88	§1	46	25	5.94	+1.66	1.22	21	.0	17	13	10	7	w.	James A. Morgan
Middlebourne	Tyler	750	1	^{d}71.6	.....	93	2	46	25	3.24	......	1.03	3	.0	12	12	12	6	sw	L. A. Crumrine
Morgantown	Monongalia	1,300	49	73.5	+4.2	91	§16	55	15	5.07	+0.83	1.97	8	.0	8	..	..	..	sw.	State Horticultural Farm
New Cumberland	Hancock	671	44	72.2	+4.0	93	10	47	26	3.38	−1.17	1.56	11	.0	10	11	4	15	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	73.7	+2.6	94	§1	50	25	4.30	+0.19	1.23	7-8	.0	10	15	11	4	w.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	73.7	+2.3	92	1	52	25	3.48	−0.52	1.27	19	.0	10	7	11	12	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	71.2	+4.3	91	12	46	§24	4.64	−0.35	.77	26-27	.0	19	4	13	13	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	....	.....	..	..	..	..	5.58	+0.89	1.10	8	.0	15	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	66.4	+1.5	87	6	40	25	4.73	−1.07	1.19	8	.0	17	18	10	2	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	..	..	6.94	+2.63	1.20	3	.0	15	8	11	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	70.4	.....	90	§1	48	24	6.01	+0.64	1.08	11	.0	15	4	8	18	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	..	..	3.30	−0.87	.55	14	.0	13		..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	65.8	+1.1	88	§3	..	..	....	......	....	.....	...	..	14	0	16	sw.	Edward R. Wagner
Thomas	Tucker	3,000	13	....	.....	..	..	..	..	5.25	+0.14	1.05	27	.0	14	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	74.4	+4.8	99	11	46	25	6.97	+3.22	1.79	7-8	.0	13	12	12	6	w.	S. A. Spence
Wellsburg (near)	Brooke	658	35	71.2	+3.2	94	§11	46	25	2.36	−1.78	.90	21	.0	8	14	10	6	......	George P. Pfister
West Milford	Harrison	979	17	....	.... .	..	..	..	..	6.87	+2.60	2.34	8	.0	14	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	75.0	+4.6	95	§1	49	25	7.70	+3.36	1.62	27	.0	13	0	27	3	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	71.9	+1.3	90	§10	53	24	4.58	+0.69	.99	3	.0	14	11	10	9	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	.....	..	..	..	..	3.63	−0.12	1.04	8	.0	13	6	18	6	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	68.1	+0.7	88	1	40	25	4.85	+0.44	.91	27	.0	16	11	17	2	......	L. A. Mauck
Bluefield	Mercer	2,558	47	70.7	+0.6	87	22	50	24	7.15	+2.92	1.38	2	.0	19	9	16	5	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	74.4	.....	95	29	52	§24	8.54	......	2.08	21-22	.0	13	1	19	10	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	65.8	.....	83	§1	42	§24	6.21	......	1.13	19	.0	18	3	20	7	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	72.0	+2.7	90	§2	48	25	8.15	+3.08	1.81	1	.0	18	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	74.1	.....	94	6	51	25	3.45	.....	1.06	22	.0	10	0	20	10	sw.	State Forest Nursery
Hamlin	Lincoln	.....	..	....	.....	..	..	..	..	....	......	....	.....	...	..	..	..	..	......	James J. Jeffries
Hinton	Summers	1,431	45	72.7	+2.2	94	1	50	§24	7.16	+2.86	1.20	2	.0	16	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	77.0	+4.1	95	1	54	25	4.94	+0.71	1.29	8	.0	13	9	16	5	sw.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	.....	..	..	..	..	5.56	+0.37	1.11	19	.0	13	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	69.7	+2.5	89	1	44	25	6.25	+2.31	.80	9	.0	20	2	9	19	......	J. K. Monroe
Logan	Logan	700	39	75.6	+2.0	97	1	49	15	4.53	−0.36	1.33	22-23	.0	12	2	14	14	......	Paul A. Simonds
London Locks	Kanawha	623	6	74.3	.....	96	1	54	§16	5.81	......	1.62	26-27	.0	13	1	20	9	......	Lockmaster
Madison	Boone	675	21	72.6	+0.3	93	§1	51	24	7.39	+3.23	1.40	22	.0	13	6	16	8	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	70.3	+6.0	91	1	42	25	4.94	+0.13	2.20	27	.0	14	1	25	4	w.	Edward A. Moore
Oak Hill	Fayette	1,950	..	70.8	.....	88	1	47	25	6.66	......	2.24	8	.0	13	..	..	..	......	W. E. Holy
Pineville	Wyoming	1,350	2	74.6	.....	96	6	48	§24	5.39	......	1.15	2	.0	15	0	29	1	......	Charles Dameron
Point Pleasant	Mason	595	43	75.8	+3.4	97	10	53	25	3.72	−0.36	1.34	8	.0	8	19	8	3	s.	E. C. Winger
Rainelle	Greenbrier	2,424	12	67.7	+2.2	87	§12	40	25	6.30	+1.20	1.39	27	.0	16	6	6	18	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	74.0	+3.5	92	§2	49	25	2.19	−1.95	.47	22	.0	13	3	18	9	nw.	Lockmaster
Richwood	Nicholas	2,193	12	....	.....	..	..	..	..	....	......	....	.....	...	..	..	..	..	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	75.2	.....	95	§1	50	18	....	......	....	.....	...	..	12	11	7	w.	Sattis Simmons
Ryan	Roane	700	39	70.4	+1.6	91	12	44	25	5.74	+1.09	1.43	7	.0	11	6	19	5	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	66.5	.....	85	1	35	24	4.65	.	1.35	27	.0	14	17	10	3	......	Supt., State Forest
Spencer	Roane	789	38	72.8	+3.1	92	1	48	25	4.33	−0.18	.80	14	.0	14	5	18	7	sw.	A. M. McKown
Summersville	Nicholas	1,900	6	70.0	.....	89	6	50	§18	6.97	......	2.05	13	.0	13	4	17	9	......	A. E. Dorsey
Sutton	Braxton	850	36	74.4	+3 1	95	§1	48	25	5.58	+0.62	.98	9	.0	17	12	17	1	......	C. B. Eakle
Union	Monroe	2,200	38	69.0	+1.2	89	§1	43	25	6.62	+2.63	1.50	3	.0	14	..	..	..	......	C. B. King
Webster Springs	Webster	1,500	10	72.4	.....	91	§1	..	..	4.84	......	1.17	13	.0	14	2	26	2	......	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	69.0	+1.0	90	7	44	25	7.10	+3.12	1.10	23	.0	16	14	11	5	......	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	76.4	+3.8	95	§1	54	25	4.73	−0.04	1.48	22-23	.0	13	7	18	5	nw.	J. E. Dotson
Winfield Locks	Putnam	571	4	74.3	.....	94	6	54	§24	3.43	......	1.16	19-20	.0	11	11	4	15	sw.	Lockmaster
State averages and	extremes	......	....	71.4	+1.7	99	11	35	§15	5.17	+0.69	*4.60	7 8	0.0	14	9	13	8	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Hackers Creek

Daily Precipitation for June 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.58	....	....	....	.37	....	....	1.15	.03	....	.10	....	....	.05	.06	....	.41	....	.20	.04	.60	.24	.58	....	....	....	.57	....	....	....	....	4.98
Brandywine	do	.07	.08	....	.25	....	....	.80	.22	.02	.06	.29	....	.22	.03	....	....	....	....	.04	....	....	1.15	.21	....	....	.24	....	....	....	....	....	3.68
Brushy Run[2]	do	....	.84	.49	....	....	....	.07	.73	T.	.02	.16	.13	.02	T.	....	....	....	....	.06	T.	....	.47	.05	....	....	....	.31	....	....	....	....	3.35
Harpers Ferry[2]	do	....	.42	....	....	.15	....	....	.15	....	....	.08	T.	.63	.08	....	....	....	....	.03	....	.17	.50	.42	T.	....	....	.75	.06	....	....	....	3.44
Inwood	do	....	.73	.30	.30	....	....	.75	....	.25	....	....	.80	....	....	....	....	....	....	....	....	....	.79	1.07	....	....	.15	.50	.04	....	....	....	5.68
Kearneysville	do	....	.89	....	.15	.25	....	....	.28	....	....	.03	.05	.53	T.	....	....	....	....	....	.10	....	.75	1.67	....	....	.26	.39	.04	....	....	....	5.39
Knobly Mountain[2]†	do	.18	.21	....	....	T.	....	....	.42	.33	....	.05	....	.95	.07	....	....	.23	....	....	.09	.05	.35	.97	....	....	....	.72	....	....	....	....	4.62
Martinsburg[2]	do	.10	.80	.05	.08	.75	....	....	.45	....	....	.05	.05	.25	.30	.05	....	....	....	.01	....	.01	.50	.45	....	....	....	.70	.05	....	....	....	4.65
McNeill†	do	T.	.10	....	.15	....	....	.05	.37	....	....	.45	.95	.22	.14	....	T.	.04	....	.14	....	.06	.66	....	....	....	.11	.33	....	....	....	....	3.77
Petersburg	do	....	....	....	....	....	....	.90	.21	.01	....	.19	.01	....	.04	....	....	.08	....	.25	....	.22	.16	.14	....	....	.03	.75	....	....	....	....	2.99
Piedmont	do	....	.33	.01	.07	.01	....	....	.70	....	....	.88	.04	.06	.29	....	....	.55	....	.04	T.	....	.46	.16	....	....	.09	.71	....	....	....	....	4.40
Romney	do	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spruce Knob[2]†	do	....	....	.19	....	.12	....	.58	1.04	.11	.17	.19	.48	.08	.37	.19	....	T.	....	.13	....	T.	.32	.39	....	....	....	.54	.03	....	....	....	4.88
Stony River Dam[2]†	do	....	....	....	....	.22	....	....	.23	.25	.06	.15	.35	.04	.04	.11	....	.36	....	.27	....	.55	.21	.07	....	....	....	.60	....	....	....	....	3.51
Wardensville[2]	do	.07	.40	.02	....	.03	....	....	.41	....	....	.06	....	T.	.01	....	....	....	....	.10	.01	....	.68	.54	....	....	....	.40	.02	.01	....	....	2.76
Northern Division																																	
Aberdeen†	West Fork	....	....	.72	T.	....	....	.40	.50	....	....	.11	.55	.23	.65	T.	T.	....	....	.64	.02	....	1.05	.58	....	....	.07	1.50	....	....	....	....	7.02
Alpena	Cheat	....	.73	.15	.32	....	....	.21	.58	.02	....	.18	.14	.70	.45	.19	.03	.15	....	.46	.03	....	.30	....	....	....	.45	.80	....	.02	.25	....	6.16
Belington[2]	Tygart	....	....	.42	....	.26	....	....	.71	.28	....	.02	.02	.17	.20	.55	....	.61	....	.70	.02	T.	.29	.10	....	....	....	1.17	....	....	....	....	5.52
Benson†	West Fork	....	....	.17	.25	....	....	.45	2.60	....	....	....	.33	.38	.90	.02	.03	....	....	.80	.08	....	.60	.25	....	....	.02	.83	....	....	....	....	7.71
Bens Run	Ohio	....	....	1.27	.16	....	....	T.	.20	.21	....	.04	....	....	.61	....	.01	....	....	.25	.15	....	.41	....	....	....	.09	....	....	....	.85	....	4.25
Big Skin Creek†	West Fork	....	....	.74	....	....	....	.93	.23	.02	....	.48	.02	.57	.80	.05	....	....	....	.24	....	....	.65	.20	....	....	1.05	.35	....	....	....	....	6.33
Brownsville†	do	....	....	.45	.07	....	....	....	.50	....	....	.42	.60	1.39	.50	.07	....	....	....	.27	....	....	1.19	.23	....	....	.06	1.13	....	....	....	....	6.88
Buckhannon	Tygart	....	....	1.00	.17	....	....	.12	.62	....	....	.15	.47	....	.58	....	T.	....	....	.50	T.	....	.77	.30	....	....	.13	1.23	....	....	....	....	6.04
Cairo	Litl.Kanawha	....	....	.12	....	.09	....	....	.11	....	....	....	.21	.03	1.15	....	....	....	....	.30	.60	....	.78	.04	....	....	....	.34	....	....	....	....	3.77
Clarksburg[2]	West Fork	....	....	.22	....	.28	....	....	2.40	.48	....	.02	.08	.11	.39	....	....	....	....	.38	.08	....	.62	.22	....	....	....	.40	....	....	....	....	5.68
Crawford	do	....	.10	.99	.27	....	....	.06	.30	.95	....	.45	.10	.30	.46	.03	.26	....	....	.20	.02	....	.40	.06	....	....	.09	.24	....	....	....	....	5.28
Creston[2]	Litl.Kanawha	....	....	.40	....	....	T.	....	.25	....	....	T.	T.	T.	.34	.03	....	T.	....	.34	.47	....	.75	.12	....	....	....	.22	....	....	....	....	2.92
Dailey[2]†	Tygart	T.	.02	.13	....	.30	....	....	1.27	.84	....	.07	.15	.15	.28	.20	T.	.33	....	.40	.03	.01	.13	.06	....	....	....	.18	....	....	.54	....	5.09
Dam 10, Mon. R.[2]†	Monongahela	.01	....	.15	....	....	....	....	1.39	....	....	.44	....	.28	.29	.30	....	.03	....	....	.02	.56	.30	.63	....	....	....	.52	....	....	....	....	4.92
Dam 13, O. R.[2]†	Ohio	....	.34	1.58	....	.01	....	....	.19	....	....	.18	....	.26	.64	.05	....	.06	....	....	....	.64	.26	.13	....	....	.02	.18	....	....	....	....	4.54
Dam 15, Mon. R.[2]†	Monongahela	....	.06	.21	....	....	....	....	1.40	....	....	.40	....	.35	.96	.39	....	T.	....	T.	.23	1.22	.49	.42	....	....	....	.56	....	....	....	....	6.69
Dam 19, O. R.[2]†	Ohio	....	....	T.	....	.52	....	....	.20	....	....	.03	.25	.08	.10	T.	....	.01	....	.82	.37	....	.28	.01	....	....	T.	.14	....	....	....	....	2.81
Dam 20, O. R.[2]†	do	.64	....	.10	....	.69	....	....	.55	....	....	.03	.03	.22	.10	T.	....	T.	....	.50	.80	.01	.80	.06	....	....	T.	.13	....	....	....	....	4.66
Elizabeth (Dam 3)[2]	Litl.Kanawha	.02	....	T.	....	.40	1.00	.04	.18	....	....	....	.40	T.	.90	T.	....	....	....	.38	.22	....	.74	.09	....	....	....	.38	T.	....	....	....	4.75
Elk†	West Fork	....	....	.68	....	....	....	.83	1.68	....	....	.13	.23	....	.72	....	....	....	....	.93	....	....	.80	.10	....	....	.51	.30	....	....	....	....	6.91
Elkins[1]‡	Tygart	T.	.32	.03	.05	.04	....	.26	1.84	....	.01	.02	T.	.34	.37	.01	.30	....	....	.27	.01	....	.49	....	....	....	1.03	.13	....	.24	.57	....	6.33
Fairmont[2]	Monongahela	....	.18	.90	....	.03	....	....	1.15	....	....	.16	T.	1.21	.50	.02	....	.02	....	.04	.15	1.30	.58	.64	....	....	T.	.59	....	....	....	....	7.47
Glenville[2]	Litl.Kanawha	....	....	.96	....	....	T.	....	1.07	....	....	....	.24	.07	.45	.05	....	.04	....	.23	T.	....	.86	.18	....	....	....	.71	....	....	....	....	4.81
Grafton	Tygart	....	.15	.23	.45	.38	....	....	1.27	....	.24	....	.09	1.43	.50	.05	....	....	....	.23	.05	.13	.33	.48	....	....	.18	.46	....	....	....	....	6.65
Hackers Creek†	West Fork	....	....	.62	....	....	....	1.06	3.54	.01	.07	1.03	.35	.29	.50	....	....	....	....	....	.64	....	.43	.03	....	....	.49	.60	....	....	....	....	9.66
Hall[2]	Tygart	....	....	1.38	....	.40	....	....	.58	....	....	.05	1.61	.24	.46	.14	....	.06	....	.51	.02	T.	.59	.34	....	....	....	.97	....	....	....	....	7.35
Harrison Co. Airport[2]	West Fork	....	.53	T.	.15	....	....	1.32	T.	....	.04	.03	.37	.79	.42	....	T.	....	T.	.30	.09	T.	.90	.01	....	....	.47	.04	....	....	.50	....	5.96
Hastings	Ohio	....	.35	.38	.11	.01	....	....	.32	....	T.	.12	.01	.50	.63	....	.01	.01	....	.10	.16	.12	.32	.21	....	....	.01	.34	....	....	....	....	3.71
Horner	West Fork	....	....	1.42	....	....	....	.15	.38	....	....	....	.25	.30	.75	....	....	....	....	.60	....	....	.72	.18	....	....	.18	.60	....	....	....	....	5.53
Ireland	do	....	.15	.64	.47	....	....	.33	.39	.11	....	.61	....	.59	.56	....	....	....	....	....	.03	....	.47	.04	....	....	.64	....	....	....	....	....	5.03
Jane Lew	do	....	....	1.34	.02	....	....	.59	.69	....	....	.08	.53	.34	.74	....	T.	....	....	.73	....	....	.54	.22	....	....	.05	1.16	....	....	....	....	7.03
Kumbrabow St. For.†[2]	Tygart	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	.10	.30	....	....	.20	.12	....	....	....	....	|||
Lost Creek (near)	West Fork	....	....	.70	.01	....	....	1.13	3.07	....	....	.06	T.	.30	1.00	....	.10	....	....	.60	.40	....	.42	T.	....	....	.48	.54	....	....	....	....	8.81
Mannington	Monongahela	....	.36	1.15	.03	.01	....	.23	.09	....	.01	.15	T.	.79	.21	T.	T.	....	....	.07	.18	1.22	.72	.35	....	....	.24	.13	....	....	....	....	5.94
Middlebourne	Middle Is.Creek	....	....	1.03	....	.16	....	....	.32	....	....	.02	.07	.05	.32	....	....	....	....	.21	.14	....	.32	.26	....	....	....	.34	....	....	....	....	3.24
Midvale[2]†	Tygart	....	....	1.51	....	.32	....	....	.25	.02	....	.06	.40	.50	.41	.49	....	.46	....	.42	.02	T.	.47	.39	....	....	....	.93	....	....	....	....	6.65
Morgantown	Monongahela	....	....	....	....	....	....	.25	1.97	....	....	....	....	.45	.35	....	....	....	....	....	....	.60	.55	.25	....	....	....	....	....	....	.65	....	5.07
Mt. Clare	West Fork	....	.10	.42	....	....	....	.39	.24	.01	T.	.11	....	.85	.56	....	.10	....	....	.68	.05	T.	.64	.01	....	....	.10	.69	....	....	....	....	4.98
New Cumberland	Ohio	.48	....	....	....	....	....	....	.03	....	....	1.56	.02	.39	....	....	.13	....	....	....	T.	.54	.07	....	....	....	.04	....	....	....	.12	....	3.38
New Martinsville	do	....	....	.54	.03	....	....	1.10	.13	....	....	....	T.	.55	.33	....	T.	....	....	.17	....	.55	.45	....	....	....	.45	....	....	....	T.	....	4.30
Parkersburg[1]‡	do	....	T.	....	T.	....	....	.32	T.	....	T.	.02	.02	.64	.13	....	T.	....	....	1.27	.25	....	.70	....	....	....	.12	....	....	....	.01	....	3.48
Parsons	Cheat	....	....	.26	.08	T.	....	.26	.30	.02	....	.14	.05	.25	.29	.10	....	.48	....	.63	.04	.16	.25	.07	....	....	.10	.67	....	T.	.49	....	4.64
Philippi[2]	Tygart	....	.03	.82	....	.08	....	....	1.10	....	....	.03	.19	.22	.60	.32	....	.06	....	.97	.02	T.	.43	.12	....	....	....	.59	....	....	....	....	5.58
Pickens	do	....	.06	.12	.20	....	....	.22	1.19	....	....	.05	....	.05	.98	.14	.22	.06	....	.28	....	....	.35	.35	....	....	.32	.02	....	.12	....	....	4.73
Roanoke	West Fork	....	1.09	1.20	.03	....	....	.67	.21	....	....	.15	.82	.24	.48	.03	....	....	....	.20	T.	....	.67	.20	....	....	.25	.70	....	....	....	....	6.94
Rockford†	do	....	....	.86	.02	....	....	.78	1.87	....	....	.02	.31	.44	.60	....	T.	....	....	.64	.02	....	.61	.06	....	....	.56	.40	....	....	....	....	7.19
Rowlesburg[2]	Cheat	.27	T.	.05	....	.76	....	....	.73	T.	....	1.08	.04	....	.14	.89	....	.15	....	.23	.10	.67	.33	.33	....	....	....	.74	....	....	....	....	6.01
Saint Marys[2]	Ohio	.04	.31	....	....	.52	....	....	.07	....	....	....	.10	.17	.55	....	....	....	.02	.48	.28	....	.40	.04	....	....	....	.32	....	....	....	....	3.30
Salem	West Fork	....	....	.17	.25	....	....	.12	1.39	....	.01	.28	....	.22	.92	....	....	....	....	.41	.10	....	.84	.04	....	....	.28	.11	....	....	....	....	5.14
Shinnston	do	....	.30	.16	....	....	....	....	....	....	.10	.03	.44	.37	T.	....	.45	....	....	.20	.22	.65	....	.20	....	....	.20	....	....	....	.10	....	3.42
Terra Alta†	Cheat	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Thomas[2]	do	....	....	....	....	.38	....	....	.75	....	....	.11	.10	.07	.21	.45	....	.34	....	.31	.03	.30	.76	.39	....	....	....	1.05	....	....	....	....	5.25
Valley Chapel	West Fork	....	....	.36	....	....	....	.29	1.50	T.	T.	.25	1.15	.35	.56	T.	....	....	....	.44	.01	....	.66	.24	....	....	.07	1.09	....	....	....	....	6.97
Valley Head[2]	Tygart	....	.03	.21	....	.34	....	....	.16	.18	....	.06	.12	.10	.15	.14	....	.08	....	.03	.07	T.	.15	.31	....	....	....	.40	....	....	....	....	2.53
Vandalia†	West Fork	....	.08	.41	.14	....	....	.14	.31	.26	....	.41	....	.34	.58	....	....	....	....	.23	....	....	.42	.12	....	....	.91	.21	....	....	....	....	4.56
Wellsburg (near)	Ohio	....	T.	.11	....	....	....	....	....	....	....	....	.12	.22	.64	....	.15	T.	....	....	....	.90	.08	....	....	....	.14	....	....	....	....	....	2.36
West Milford	West Fork	....	....	.20	.42	....	....	.34	2.34	.04	....	.16	.17	.25	.50	....	....	....	....	.72	.11	....	.62	....	....	....	.04	.96	....	....	....	....	6.87
Weston[2]	do	....	....	.85	....	....	....	....	1.10	....	....	.05	.55	.72	.55	.18	....	.04	....	.90	.06	....	.78	.30	....	....	....	1.62	....	....	....	....	7.70
Wheeling (Dam 12)[2]	Ohio	....	.15	.99	....	.02	....	....	.71	....	....	.20	T.	.58	.58	.31	....	.09	T	....	....	.60	.15	.05	....	....	.01	.14	....	....	....	....	4.58
Southern Division																																	
Arbovale[2]	Greenbrier	....	.04	....	....	....	....	.13	1.04	....	.04	.70	T.	.06	.15	....	.02	....	....	.04	.02	....	.78	.03	....	....	.58	....	....	....	....	....	3.63
Beckley	New	....	.32	.17	....	....	.05	....	.21	.09	....	.56	.40	.14	....	....	.11	....	....	.74	.07	T.	.82	.09	....	....	.14	.91	....	....	.03	....	4.85
Bluefield	New	1.00	1.38	.13	....	.06	....	....	.07	.05	.06	1.05	.37	.73	....	.14	....	.14	....	.81	.55	....	.06	.16	....	....	.10	.04	....	....	.25	....	7.15
Camden-on-Gauley[2]	Gauley	....	.05	.10	....	....	....	....	.53	.54	....	....	....	.74	.57	.10	....	.03	....	.24	.39	....	.45	.10	....	....	.06	1.56	....	....	....	....	5.46
Charleston (Airport)[4]	Gr. Kanawha	....	2.00	T.	....	....	T.	.88	....	T.	T.	.09	.29	.07	.05	....	.01	....	.43	1.48	....	1.36	.74	....	....	....	.63	....	....	....	.51	....	8.54
Clay[2]	Elk	....	....	.66	....	....	....	....	1.53	....	....	.82	....	.14	....	.43	....	.17	....	.49	.60	....	.50	.12	....	....	....	.43	....	....	....	....	5.89
Flat Top[4]	New	.45	.07	T.	.14	....	....	.65	.22	....	.08	.19	.49	.19	.13	.03	.06	....	....	1.13	.05	....	1.04	.01	....	....	.70	....	....	....	.58	....	6.21
Gary[2]	Big Sandy	1.81	1.22	....	....	.03	.01	....	.06	1.13	.02	.01	.46	.05	.07	.02	....	.23	....	1.30	.78	....	.35	.55	....	....	....	.05	....	....	....	....	8.15
Greenbottom[2]†	Ohio	....	.30	....	....	....	....	.37	....	T.	T.	....	....	.03	.08	....	....	....	....	.33	.56	....	1.06	.03	....	....	.51	....	....	....	.18	....	3.45
Hinton[2]	New	....	1.20	.50	.75	....	....	....	.77	.05	.49	....	.44	.44	.03	.02	....	.38	....	.61	.48	....	.30	.24	....	....	T.	.46	....	....	....	....	7.16
Hogsett[2]	Ohio	....	....	T.	....	.06	....	....	.35	....	....	....	....	.05	.10	T.	T.	T.	....	.15	.57	....	.59	.35	....	....	....	.07	....	....	....	....	2.29
Huntington	do	....	T.	....	....	....	.67	....	1.29	.10	....	....	.01	.01	.09	....	.02	....	....	.32	.54	....	1.25	.16	....	....	.18	.30	....	....	....	....	4.94
Kayford[2]	Gr. Kanawha	....	.19	.20	....	....	....	....	.20	.82	....	T.	.21	....	.80	.24	....	.21	....	1.11	.14	....	.51	.13	....	....	....	.80	....	....	....	....	5.56
Lewisburg	Greenbrier	....	.57	.04	72	.39	....	.27	.42	.80	.15	.13	.01	.17	.05	....	.26	.04	....	.67	.07	....	.66	T.	....	....	.12	.70	....	.01	....	....	6.25
Logan[2]	Guyandot	....	T.	.25	T.	.31	....	.63	T.	....	.03	....	....	.23	.10	.03	T.	T.	....	1.16	.16	....	.98	.35	....	....	T.	.30	....	T.	....	....	4.53
London Locks[2]†	Gr. Kanawha	....	.12	.74	....	....	....	....	.60	....	....	....	.25	.20	.21	.20	....	T.	....	.48	.83	....	.30	.26	....	....	.17	1.45	....	....	....	....	5.81
Madison[2]	Coal	....	....	.17	....	....	....	1.31	.69	....	.03	....	.01	.70	....	.06	.03	....	....	1.21	.25	....	1.40	.20	....	....	....	1.33	....	....	....	....	7.39
Marlinton	Greenbrier	.30	....	.26	....	....	....	.05	.09	.17	.04	.10	....	....	.21	....	....	.50	....	.21	.11	....	.63	....	....	....	.13	2.20	....	....	....	....	4.94
Pineville	Gr. Kanawha	....	1.15	.06	....	....	.09	.46	.35	....	T.	.13	.50	.10	.04	T.	.05	....	....	1.06	.18	....	.69	....	....	....	.16	.37	....	T.	T.	....	5.39
Point Pleasant[2]	Ohio	....	....	.17	....	....	....	....	1.34	....	T.	T.	....	T.	....	T.	T.	.01	....	.30	.25	....	1.05	.55	....	....	....	.05	....	....	....	....	3.72
Princeton[2]	New	....	2.73	.11	....	.13	....	T.	.23	.27	.02	T.	1.17	1.08	.02	T.	T.	.15	....	.58	.19	T.	.42	.21	....	....	....	1.35	T.	....	....	....	8.66
Rainelle	Greenbrier	.48	.59	T.	....	....	....	.22	.21	....	....	.03	....	.15	.30	.41	.21	T.	....	.55	.30	....	.61	.03	....	....	.21	1.39	....	....	.61	....	6.30
Ravenswood[2]	Ohio	....	....	.12	....	.25	....	....	.25	....	....	.03	.04	.02	.22	.02	....	T.	....	.20	.15	T.	.47	.22	....	....	T.	.20	....	....	....	....	2.19
Richwood[2]	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.41	.49	....	....	....	....	....	....	.99	....	....	....	....	|||

Continued on next page.

Daily Precipitation for June 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	....	....	....	1.43	1.01	.03	....	.43	.53	....	.53	....	....	....	....	.06	.12	....	1.25	.03	....	....	....	.32	....	....	....	....	5.7
Seneca State Forest†	Greenbrier	....	....	....	....	.15	....	1.23	.04	.07	.08	.39	....	.03	....	.08	....	.25	....	.21	....	....	.51	.11	....	....	.15	1.35	....	....	....	....	4.6
Spencer[2]	Litl. Kanawha	....	....	.50	....	....	....	.15	.54	....	....	T.	.04	.23	.80	.05	....	....	....	.11	.30	....	.59	.16	....	....	.07	.43	....	....	.36	....	4.3
Summersville[2]	Gauley	....	.05	....	....	.43	....	....	.25	....	....	....	....	2.05	.63	.28	....	.19	....	.40	.32	....	.53	....	....	....	.20	1.45	....	.19	....	....	6.97
Sutton	Elk	....	.08	.55	.50	....	....	.40	.50	.98	T.	.34	.32	.52	.47	.03	....	.08	....	.07	.04	....	.40	....	....	....	.04	.26	....	....	....	....	5.5
Thornwood[2]	Greenbrier	....	....	.20	.03	....	....	.97	.96	.09	.15	.05	....	.07	.40	....	....	.12	....	.04	.02	....	.66	....	....	....	.21	....	....	....	....	....	3.97
Union[2]	New	....	.76	1.50	....	.51	....	....	.55	.26	....	.10	.02	....	.08	....	....	.65	....	.37	.26	....	.12	.81	....	....	....	.63	....	....	....	....	6.6
Wayne[2]	Twelvepole	....	....	.05	....	....	....	....	.89	....	.05	....	....	.27	.08	.07	.05	....	....	.81	.33	....	.77	1.01	.. .	....	....	.11	....	....	....	....	4.4
White Sulp'r Spgs.[2]	Greenbrier	....	.90	.60	.10	....	....	....	.55	.50	.20	.15	.15	.05	.10	....	....	.25	....	.50	.15	....	.75	1.10	....	....	....	1.05	....	....	....	....	7.1
Williamson[2]	Big Sandy	....	....	.32	....	....	....	....	T.	.25	.07	....	....	.24	.05	.03	....	.13	....	.99	.69	....	.44	1.04	....	....	....	.47	....	.01	....	....	4.7
Winfield Locks[2]†	Gr. Kanawha	....	....	.07	....	....	....	T.	.95	....	....	.07	....	.25	.02	.01	T.	....	....	.25	.91	....	.38	.25	....	....	....	.27	....	....	....	....	3.4

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Pickens; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for June 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	84	83	83	79	82	85	84	73	75	82	84	85	80	60	70	70	65	74	75	81	81	74	71	70	75	70	73	80	81	85	....	77.
	Minimum	53	50	50	49	50	43	45	58	59	57	58	55	58	55	48	40	41	47	50	56	53	54	55	35	37	40	45	47	50	50	....	49.
Beckley	Maximum	88	85	79	79	85	87	81	82	78	75	86	87	82	78	72	81	75	80	79	82	79	82	74	73	78	82	79	83	85	77	....	80.
	Minimum	59	57	57	56	58	63	60	62	63	65	51	52	48	49	42	49	51	49	61	62	62	60	59	43	40	59	60	59	60	57	....	55.
Bluefield	Maximum	85	85	83	85	85	82	*83*	84	76	73	83	85	80	80	*72*	76	77	79	78	76	*84*	87	74	74	77	82	77	*80*	82	83	....	80.
	Minimum	60	60	58	62	61	65	*61*	61	68	67	66	65	65	*59*	53	53	56	54	61	62	*63*	61	62	50	64	65	63	*64*	64	62	....	61.
Brandywine	Maximum	88	84	87	89	85	87	90	85	84	83	89	92	86	78	74	78	75	82	85	86	90	88	80	78	80	75	76	85	85	88	....	83.
	Minimum	55	54	56	52	56	51	56	57	58	62	63	59	60	58	47	42	48	44	52	54	55	58	54	38	39	45	46	52	53	52	....	52.
Buckhannon	Maximum	87	85	83	83	82	83	85	82	83	87	85	85	83	68	69	77	75	77	79	84	84	81	75	75	75	75	79	82	83	86	....	80.
	Minimum	54	47	60	56	60	52	58	60	59	67	61	60	55	60	55	52	65	61	55	60	64	63	63	60	50	52	58	62	65	64	....	58.
Cairo	Maximum	91	91	92	88	89	90	92	89	89	90	90	91	90	90	73	74	75	81	83	83	87	90	79	78	79	81	77	82	89	89	....	85.
	Minimum	59	62	62	60	63	54	63	66	63	67	65	64	70	60	54	53	50	51	65	66	66	65	60	51	47	57	61	59	61	63	....	60.
Charleston (Airport)	Maximum	94	93	90	91	90	93	94	87	92	86	94	91	89	75	72	80	75	86	85	88	92	82	78	75	82	87	82	90	95	92	....	86.
	Minimum	63	62	63	65	63	63	64	66	67	68	66	67	70	59	55	55	56	55	67	66	66	66	54	52	52	63	62	62	64	64	....	62.
Clarksburg[3]	Maximum	90	89	86	84	85	90	85	82	87	89	89	89	85	68	70	78	71	80	82	82	86	79	75	72	78	73	81	86	89	89	....	82.
	Minimum	60	61	59	60	62	55	56	63	64	66	65	65	64	65	54	50	54	50	51	64	63	63	64	50	46	48	58	56	58	60	....	58.
Elkins	Maximum	88	86	83	84	83	87	84	82	81	86	85	85	80	67	68	77	68	76	80	82	85	78	74	69	75	74	79	84	86	88	....	80.
	Minimum	60	64	61	59	59	55	63	64	62	67	66	63	65	53	51	48	55	49	61	63	64	62	52	47	46	53	61	55	58	61	....	58.
Fairmont[3]	Maximum	92	90	88	87	86	92	90	82	88	91	89	91	85	71	74	79	72	83	84	84	87	81	77	75	81	70	80	88	92	92	....	84.
	Minimum	63	63	62	62	66	57	65	65	65	67	68	65	69	62	53	53	58	53	59	66	64	65	60	51	49	58	62	57	61	65	....	61.
Flat Top	Maximum	83	81	79	81	81	80	81	75	73	69	78	81	77	61	63	75	64	76	75	78	83	77	71	66	71	77	76	74	77	79	....	75.
	Minimum	58	58	54	57	59	59	58	61	63	63	58	59	61	51	50	49	51	53	60	61	58	59	46	42	42	58	60	60	61	56	....	56.
Gary[3]	Maximum	89	90	86	87	89	90	89	86	87	80	85	89	85	64	73	83	74	83	81	*86*	90	84	78	73	82	85	86	86	89	87	....	83.
	Minimum	62	62	60	61	60	61	63	66	64	67	63	63	64	63	57	53	57	54	55	65	*66*	63	64	50	48	50	64	60	60	59	....	60.
Glenville	Maximum	95	93	91	90	91	93	94	93	92	90	93	92	92	89	74	79	81	84	85	86	90	93	81	78	83	82	85	90	93	93	....	88.
	Minimum	64	64	63	65	65	59	65	66	67	68	68	66	71	60	57	54	56	55	66	67	67	65	63	52	50	58	64	63	63	64	....	62.
Grafton	Maximum	94	93	90	86	87	89	90	85	88	88	85	88	88	81	72	78	78	77	78	81	87	87	76	76	76	76	80	81	89	89	....	83.
	Minimum	57	58	56	56	59	52	58	62	58	61	63	59	63	57	48	47	54	47	59	60	59	59	57	43	42	51	58	59	52	57	....	55.
Huntington	Maximum	95	93	91	94	92	93	92	88	90	88	92	92	91	83	77	79	81	89	87	88	94	91	82	78	82	87	81	91	94	93	....	88.
	Minimum	64	69	66	66	68	64	68	69	70	71	71	71	72	62	58	60	58	58	68	67	74	67	64	56	54	65	67	62	69	69	....	65.
Lewisburg	Maximum	89	86	84	84	85	82	87	81	76	73	85	85	82	77	72	72	70	81	81	83	88	83	77	73	78	78	81	80	80	85	....	80.
	Minimum	62	56	58	59	60	61	62	64	66	66	64	62	66	59	52	49	54	49	60	63	64	61	59	48	44	57	60	63	58	57	....	58.
Logan[3]	Maximum	97	96	92	94	93	95	92	89	89	86	95	92	89	65	75	84	80	91	86	90	94	84	81	79	85	89	89	94	95	92	....	88.
	Minimum	63	64	64	64	66	66	65	68	68	69	67	58	60	59	49	57	60	58	64	67	68	65	67	54	53	55	66	66	65	65	....	62.
Madison[3]	Maximum	93	93	89	88	92	92	89	85	72	85	92	*91*	71	*68*	62	82	77	69	69	89	88	78	68	*65*	*84*	89	85	90	92	93	....	82.
	Minimum	64	64	62	63	70	64	64	66	68	68	66	66	68	60	57	54	57	57	64	66	67	64	65	51	52	55	64	64	64	64	....	62.
Mannington	Maximum	88	84	84	84	83	88	85	79	87	87	86	87	86	79	71	75	71	79	81	80	83	81	75	71	76	72	79	84	87	87	....	81.
	Minimum	59	62	61	60	64	53	61	66	62	65	66	61	69	61	50	50	57	49	63	63	63	63	58	48	46	54	63	56	59	62	....	59.
Marlinton	Maximum	91	87	*89*	87	88	*90*	88	84	78	79	85	90	89	78	75	78	71	82	82	86	*89*	83	77	76	81	79	85	83	85	87	....	83.
	Minimum	56	57	*60*	56	59	*67*	57	61	65	65	63	63	64	59	47	45	51	47	56	59	*67*	62	58	43	42	50	60	61	58	57	....	57.
Martinsburg[3]	Maximum	75	68	81	92	87	90	92	73	82	83	91	94	85	82	83	82	80	89	88	93	93	82	85	81	83	77	70	83	89	90	....	84.
	Minimum	65	58	59	63	63	58	62	68	69	69	70	71	67	69	60	53	52	54	66	68	69	66	65	52	54	59	61	61	60	60	....	62.
Morgantown	Maximum	90	89	83	87	90	89	90	90	89	*85*	*87*	89	88	76	79	91	83	85	*80*	85	83	80	72	85	90	88	89	90	91	89	....	86.
	Minimum	61	62	60	62	61	60	61	63	61	*65*	*63*	61	62	61	55	60	62	59	*63*	63	59	60	60	59	61	60	63	62	60	58	...	60.
New Martinsville	Maximum	94	93	90	90	86	94	90	82	91	90	90	90	91	86	75	73	72	82	85	87	89	80	78	77	81	76	83	90	91	92	....	85.
	Minimum	61	63	63	64	66	64	63	67	65	68	67	66	70	62	56	51	58	53	64	65	65	67	58	52	50	56	61	60	62	66	....	61.
Parkersburg	Maximum	92	90	89	89	86	92	87	81	89	86	90	90	88	71	71	70	73	84	83	82	88	79	74	73	79	73	80	87	90	90	....	83.
	Minimum	63	67	65	67	67	61	69	69	68	73	71	72	68	60	56	57	55	53	65	67	73	66	62	56	52	63	62	61	67	70	....	64.
Pickens	Maximum	86	84	84	83	82	87	86	83	83	83	85	84	78	72	63	74	65	74	75	86	82	77	70	69	73	72	75	83	85	85	....	78.
	Minimum	55	54	53	54	65	52	58	55	62	55	54	59	61	52	50	42	53	44	56	64	62	56	54	43	40	49	58	52	53	54	....	54.
Point Pleasant	Maximum	93	92	91	90	90	95	95	93	93	97	93	91	89	87	73	72	75	85	87	87	89	88	80	75	80	90	81	90	91	93	....	87.
	Minimum	64	69	60	67	67	62	69	61	70	71	70	70	72	63	57	59	56	56	69	67	70	67	62	55	53	64	62	62	63	70	....	64.
Rainelle	Maximum	83	85	80	83	85	80	83	79	74	75	81	87	82	81	69	75	75	81	82	82	87	78	74	73	77	79	79	80	81	83	....	79.
	Minimum	55	55	54	54	56	55	58	62	66	66	67	59	62	55	52	45	51	47	56	60	57	59	58	42	40	52	59	59	56	52	....	55.
Spencer[3]	Maximum	92	91	87	88	87	91	89	87	86	86	90	90	86	*70*	72	78	75	83	83	83	89	79	74	73	79	83	85	89	91	88	....	84.
	Minimum	60	66	62	64	63	58	64	66	66	70	67	70	70	60	57	54	55	51	56	65	67	65	61	51	48	53	62	60	65	66	....	61.
Sutton	Maximum	95	95	91	91	91	94	94	90	90	86	92	92	92	92	77	82	82	83	85	88	93	93	78	77	80	80	83	91	91	91	....	88.
	Minimum	62	61	63	60	64	60	64	65	66	66	67	65	60	58	57	51	60	52	64	65	63	65	62	49	48	57	65	60	61	60	....	60.
Wardensville[3]	Maximum	79	74	84	88	83	83	90	72	77	83	87	90	82	76	76	78	75	78	80	82	89	82	79	76	78	69	69	78	83	85	....	80.
	Minimum	61	59	60	58	59	54	59	64	66	67	68	66	64	61	49	46	54	49	58	61	60	60	61	44	45	50	59	61	56	57	....	57.
Weston	Maximum	95	93	91	90	90	95	90	91	92	91	92	93	91	90	75	80	78	85	81	90	91	89	78	79	82	80	85	90	92	91	....	87.
	Minimum	61	65	62	61	66	58	65	66	68	66	65	69	68	67	56	52	55	52	65	67	74	65	62	59	49	59	62	61	62	64	....	62.
Wheeling[3]	Maximum	89	88	86	86	85	89	87	79	89	90	90	87	87	71	74	66	70	80	84	86	84	72	73	73	79	70	81	86	89	90	....	82.
	Minimum	63	63	64	64	64	56	57	67	67	68	70	70	71	65	57	55	58	54	55	67	66	66	58	53	54	54	61	59	62	65	....	61.
Williamson[3]	Maximum	95	95	92	92	93	95	92	87	87	89	94	90	88	*70*	75	83	80	90	84	95	93	81	82	77	84	90	87	93	92	92	....	87.
	Minimum	66	67	66	67	67	68	66	67	69	69	69	69	70	63	59	59	60	60	61	68	70	67	67	55	54	57	66	67	67	66	....	64.

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.239	.261	.196	.199	....	.232	.156	.262	.147	.158	.132	.127	.163	.159	.086	.122	.104	.108	.175	.101	.094	.291	.114	.276	.204	.136	.026	.096	.126	.202	....	4.8
	Wind movement	31	44	23	15	22	25	14	15	8	23	23	7	17	38	42	27	48	85	7	7	14	54	16	44	41	11	14	1	3	8	....	72
Wardensville	Evaporation	.228	.216	.211	.163	.214	.269	.215	.231	.050	.100	.116	.110	.302	.108	.149	.243	.157	.170	.236	.084	.241	.446	.216	.296	.200	.183	.025	.071	.120	.178	....	5.5
	Wind movement	34	55	73	22	31	26	31	23	29	50	24	23	29	12	51	29	23	36	31	16	21	48	15	54	22	7	32	28	20	19	....	91

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 7-23-42—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L — PARKERSBURG, W. VA., JULY 1942 — NO. 7

GENERAL SUMMARY

July was slightly above normal in temperature with all but nine widely scattered stations showing excesses of from a tenth up to five degrees. The warm periods were 12–20th and 29th–31st. A cool period occurred on the 7–9th. Readings of 100° or more occurred at ten stations. Precipitation averaged slightly below normal, and consisted of frequent moderate to locally heavy showers, except in the northeastern panhandle and parts of Greenbrier and Pocahontas Counties where the lack of moisture hindered the growth of crops at times. A boy was killed by lightning on the 21st at Cameron. Hail was reported from Webster Springs on the 4th and from Spencer on the 6th and only slight damage occurred. On July 9th a heavy rain in Fayette County sent Paint Creek out of its banks causing the destruction of secondary road bridges at Cirtsville. Maynor, and Pax. About a dozen homes were flooded at Pax and much damage was done to field and garden crops. At Huntington, on the 10th, a torrential rain, accompanied by lightning and a high wind, caused considerable damage to utilities, flooded basements and viaducts, tore limbs from trees, toppled a few chimneys and slowed traffic for about three hours. On the same day at Charleston a heavy rain clogged sewers and did some damage, especially to records stored in the basement of the Statehouse. On the afternoon of the 13th a heavy rain caused considerable damage to growing crops, and washed away a number of shocks of wheat and some newly stacked hay, in the Limestone Hill area on the Wirt-Wood County line.

The weather was very favorable to vegetative growth in all but a very few localities. However, in many places it was poor harvest weather as the frequency of the showers caused much difficulty in curing hay, and also in harvesting wheat and oats. Some damage to hay, wheat, and oats was reported from the wetter sections. The close of the month saw pastures green and lush, meadows, corn, and fruit in good condition. It was, however, beginning to get too wet for potatoes and some garden truck such as tomatoes.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 73.9°, or 0.7° above the normal. The mean for the northeastern panhandle division was 73.6°; for the northern division, 73.3°; and for the southern division, 74.6°. The highest monthly mean was 79.3° at Huntington and the lowest, 65.2° at Bayard. The highest temperature was 103° at Mathias on the 18th and Martinsburg on the 19th, and the lowest, 41° at Brandywine on the 8th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 4.44 inches, or 0.18 inch below the normal. In the northeastern panhandle division the average was 2.89 inches; in the northern division, 4.68 inches; and in the southern division, 4.91 inches. The greatest monthly precipitation was 8.35 inches at Williamson, and the least, 1.38 inches at Moorefield. The greatest amount in any 24 consecutive hours was 2.76 inches at Kearneysville on the 11th. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	6	27	9	6	4	12	12	13	12	..	18	7	7	11	14	16	1	..	..	6	12	16	23	10	3	10	19	10	8	2
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	..	..	1	1	1	..	..	..	3	1	..	1	..	..	..	..	1	1	2	..	..	..	..	..	..	1	1	1	3	1
Hail	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	11	1	1	9	18	19	5	1	4	17	2	..	5	1	..	..	..	..	2	25	4	8	3	4	3	2	14	..	8	15	4

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.01	30.18	27	29.86	1	5.8	18	nw.	6	88	54	64	76
Columbus, Ohio	30.01	30.18	27	29.79	6	8.2	31	sw.	3	87	54	63	58
Elkins	30.05	30.25	13	29.86	6	4.7	31	nw.	20	92	61	80	52
Huntington Airp't	30.02	30.21	26	29.83	1	......	23	w.	6	89	58	76	....
Parkersburg	30.02	30.21	26	29.83	6	4.3	30	nw.	4	88	61	68	52
Pittsburgh, Pa	30.02	30.22	26	29.77	6	9.2	30	n.	31	84	54	64	57

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	5.35	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
Period	73.2	112	31	3.80	4.71	4.65	4.62	.0	11	15	10	6

Climatological Data for July 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	65.2	+2.4	89	17	43	§8	3.03	−1.21	0.55	11	0.0	13	22	8	1	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	76.7	......	100	23	56	2	4.83	......	2.00	28	.0	8	21	6	4	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	72.2	+0.9	97	§17	41	8	1.95	−1.62	.70	22–23	.0	9	19	1	11	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	..	..	5.74	+2.24	1.39	28	.0	11	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	76.0	......	102	19	51	9	3.75	......	2.26	11	.0	7	10	15	6	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	75.3	−0.8	98	19	54	8	4.87	+1.68	2.76	11	.0	9	12	18	1	sw.	University Exper. Station
Martinsburg	Berkeley	435	50	77.1	+1.4	103	19	57	§8	2.91	−0.71	.75	11	.0	12	21	10	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	73.4	+1.8	100	§16	44	8	1.87	−1.16	.37	20	.0	11	14	9	8	w.	R. E. Saville
Piedmont	Mineral	1,053	29	73.4	+1.1	95	§17	50	8	1.78	−1.70	.60	27	.0	9	14	9	8	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	74.1	−0.8	97	§17	49	§8	3.04	−0.44	.55	23	.0	9	25	4	2	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	......	..	..	..	..	3.05	−1.09	.74	7	.0	11	4	11	16	w.	Fred Becker
Wardensville	Hardy	1,200	21	73.0	+2.4	98	§17	47	8	3.01	−0.09	.93	28	.0	15	11	14	6	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	..	..	..	..	5.42	+0.63	1.13	10–11	.0	13	3	23	5	......	L. Esle Bond
Alpena	Randolph	2,571	11	67.8	+0.5	91	17	43	8	6.85	−0.03	1.89	30	.0	15	6	20	5	......	Christian Hertig
Benson	Harrison	1,080	18	74.9	+2.4	96	§17	50	8	4.03	−1.12	1.15	5	.0	13	9	19	3	......	R. D. Marts
Bens Run	Pleasants	652	40	76.8	+1.7	97	§17	56	7	6.62	+2.09	2.12	10	.0	13	24	3	4	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	69.4	......	92	§17	45	17	2.96	......	1.30	28	.0	11	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	75.2	+1.4	97	18	50	8	4.35	−0.45	.96	5	.0	11	13	13	5	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	45	73.4	+1.6	91	18	57	3	4.90	+0.18	.96	5	.0	11	15	13	3	......	H. A. Darnall
Cairo	Ritchie	680	41	74.8	+0.5	95	§18	50	8	5.11	+0.69	1.32	11	.0	14	7	19	5	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	72.4	−1.4	94	17	50	8	1.96	−2.12	.72	11	.0	11	9	17	5	se.	Clarksburg Water Board
Creston	Wirt	640	40	76.0	+1.3	96	§17	54	8	5.41	+1.19	2.02	1	.0	12	5	20	6	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	..	..	..	..	2.67	−1.41	.64	20–21	.0	9	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	..	..	..	..	2.15	−2.21	.59	5	.0	10	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	..	..	..	..	3.07	−0.86	.98	28	.0	8	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	..	..	..	..	4.88	+0.95	1.57	11	.0	13	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	..	..	..	..	5.02	+1.09	2.60	11	.0	12	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	..	..	..	..	6.78	+2.38	1.80	10	.0	14	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	71.4	+1.1	91	17	52	8	7.48	+2.10	1.78	29–30	.0	16	3	13	15	nw.	U. S. Weather Bureau
Fairmont	Marion	883	36	°74.3	0.0	98	17	53	§7	2.61	−1.79	.73	27–28	.0	10	16	7	8	w.	J. C. Robinson
Glenville	Gilmer	738	48	77.9	+2.6	98	§17	54	8	4.12	−0.75	.90	21	.0	11	9	15	7	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	71.6	−1.0	96	§18	45	8	4.15	+0.07	1.40	27	.0	13	16	7	8	......	L. W. Clayton
Grantsville	Calhoun	900	1	....	......	..	..	..	..	....	......	....	....	...	..	..	..	..	......	James Roberts
Hastings	Wetzel	809	7	....	......	..	..	..	..	5.67	......	1.12	1	.0	12	8	18	5	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	..	..	..	..	4.74	−0.20	1.35	5	.0	12	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	74.8	+2.6	97	§17	51	8	3.91	−0.42	.92	5	.0	8	23	5	3	n.	Mrs. Gladys Edmonds
Mannington	Marion	974	39	72.3	+0.5	92	§17	49	8	4.48	+0.31	1.54	5	.0	11	13	12	6	w.	James A. Morgan
Middlebourne	Tyler	750	1	73.2	......	97	17	49	§8	6.08	......	2.42	11	.0	13	13	7	11	sw	L. A. Crumrine
Morgantown	Monongalia	1,300	49	....	......	..	..	..	..	....	......	....	....	...	..	..	..	..	......	State Horticultural Farm
New Cumberland	Hancock	671	44	74.8	+1.8	99	18	50	§3	2.68	−1.40	.91	22	.0	9	13	10	8	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	75.6	+0.4	100	18	53	8	4.08	−0.41	.90	10–11	.0	12	17	9	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	76.0	+0.6	96	17	56	7	3.97	−0.32	1.22	10	.0	11	9	11	11	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	72.7	+1.9	94	17	49	8	5.28	+0.19	1.92	20	.0	15	7	10	14	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	..	..	..	..	3.20	−1.53	.80	11	.0	12	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	67.6	−1.0	87	§17	42	8	7.20	+1.16	1.56	10–11	.0	15	12	12	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	..	..	..	..	4.25	−0.64	1.16	10–11	.0	11	13	8	10	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	73.2	.....	96	17	53	§7	3.37	−1.83	1.29	28	.0	10	1	3	27	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	..	..	..	..	3.87	−0.29	.75	7	.0	12	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	68.6	+0.4	88	§17	44	7	4.76	−0.48	1.05	27	...	14	18	9	4	w.	Edward R. Wagner
Thomas	Tucker	3,000	13	....	......	..	..	..	..	6.82	+0.33	1.55	21	.0	8	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	76.2	+2.2	97	§17	48	9	5.26	+0.33	1.20	5	.0	12	8	21	2	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	73.1	+0.9	100	18	47	§8	2.47	−1.71	.75	20	.0	8	15	12	4	......	George P. Pfister
West Milford	Harrison	979	17	....	......	..	..	..	..	4.20	−0.45	1.12	24	.0	14	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	76.4	+2.0	99	18	51	8	6.36	+1.94	1.41	11	.0	14	..	..	..	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	74.2	−0.6	96	18	54	3	2.41	−1.89	.87	23	.0	13	13	14	4	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	..	..	4.39	−0.32	.90	§1	.0	11	13	12	6	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	70.4	−0.8	92	17	48	8	5.79	+1.41	1.57	9	.0	16	13	17	1	......	L. A. Mauck
Bluefield	Mercer	2,558	47	72.5	+0.9	90	§17	55	8	4.44	+0.37	1.07	20	.0	15	14	14	3	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	76.6	......	97	§17	56	§7	5.90	......	1.61	6	.0	9	7	16	8	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	68.6	......	87	17	49	3	4.45	......	.90	10	.0	13	6	13	12	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	73.9	+0.8	93	17	55	8	6.44	+1.51	1.65	2	.0	15	..	.	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	77.3	......	96	§17	58	§4	2.73	......	.61	10	.0	10	2	22	7	sw.	State Forest Nursery
Hamlin	Lincoln	.....	..	75.2	......	96	17	55	8	6.08	......	1.45	7	.0	11	10	12	9	......	James J. Jeffries
Hinton	Summers	1,431	45	75.3	+0.9	98	17	55	8	4.66	+0.59	1.29	10	.0	15	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	79.3	+2.7	100	18	57	8	5.03	+0.73	1.37	10	.0	14	9	13	9	sw.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	......	..	..	..	..	5.86	+0.69	2.17	10	.0	16	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	72.8	+1.8	92	17	49	8	2.27	−1.62	1.01	9	.0	12	6	15	10	......	J. K. Monroe
Logan	Logan	700	39	78.3	+2.3	100	17	56	12	4.61	−0.29	1.45	11	.0	11	6	18	7	......	Paul A. Simonds
London Locks	Kanawha	623	6	77.0	......	96	17	59	§8	7.76	......	1.66	7	.0	12	9	11	11	......	Lockmaster
Madison	Boone	675	21	76.1	+1.3	..	..	56	8	5.03	−0.30	2.11	1	.0	10	14	11	6	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	72.6	+5.0	96	17	47	8	1.69	−3.10	.62	11	.0	6	6	22	3	w.	Edward A. Moore
Oak Hill	Fayette	1,950	..	72.6	......	92	17	55	§4	5.09	......	1.23	23	.0	14	18	6	7	......	W. E. Holy
Pineville	Wyoming	1,350	2	76.1	......	98	17	..	..	7.72	......	2.26	21–22	.0	13	8	20	3	......	Charles Dameron
Point Pleasant	Mason	595	43	79.0	+2.6	101	17	56	8	3.63	−0.51	.97	21	.0	11	17	11	3	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	70.7	+1.2	93	17	46	8	4.10	−1.69	1.90	9	.0	13	13	13	5	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	76.4	+1.3	97	18	52	8	4.43	+0.41	1.05	11	.0	11	7	7	17	sw.	Lockmaster
Richwood	Nicholas	2,193	12	71.0	−0.8	92	18	47	8	5.94	−0.90	1.64	23	.0	12	19	12	0	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	77.0	......	99	18	52	8	....	......	....	....	.0	..	11	12	8	......	Sattis Simmons
Ryan	Roane	700	39	73.2	+0.1	96	17	48	8	4.41	−0.19	1.00	10	.0	14	13	15	3	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	68.2	......	92	18	42	8	4.05	......	1.93	27	.0	11	19	10	2	nw.	Supt., State Forest
Spencer	Roane	789	38	74.6	+1.0	94	18	53	8	5.64	+1.40	1.49	21	.0	16	7	15	9	sw.	A. M. McKown
Summersville	Nicholas	1,900	6	71.4	......	92	17	51	9	5.29	......	1.95	7	.0	10	5	17	9	......	A. E. Dorsey
Sutton	Braxton	850	36	76.6	+1.8	98	§17	52	9	5.69	+0.36	1.34	10–11	.0	15	16	14	1	......	C. B. Eakle
Union	Monroe	2,200	38	72.2	+0.6	94	17	47	8	3.81	+0.02	.80	27	.0	11	16	0	15	......	C. B. King
Webster Springs	Webster	1,500	10	75.9	......	95	17	53	7	5.02	......	1.23	4–5	.0	13	9	21	1	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	71.6	0.0	93	17	48	8	3.65	−0.27	1.05	24	.0	11	23	1	7	......	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	78.2	+2.1	98	17	60	8	8.35	+3.92	1.78	26	.0	15	12	15	4	nw.	J. E. Dotson
Winfield Locks	Putnam	571	4	76.8	......	95	17	58	8	4.65	......	1.17	11	.0	12	10	10	11	sw.	Lockmaster
State averages and	extremes	......	....	**73.9**	**+0.7**	**103**	**§18**	**41**	**8**	**4.44**	**−0.18**	**2.76**	**11**	**0.0**	**12**	**13**	**12**	**6**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Hackers Creek

Daily Precipitation for July 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	.20	.18			.07	.26	.25				.55				.05					T.	.18		.17	.42			.27	.12		.31		3.03
Brandywine	do	.55				.05	.11				.15										.10		.42	.28			.17	.12		T.		T.	1.95
Brushy Run[2]	do		.11			.03	.04	.13				.41										.08		1.15	.01		T.	.66	.37		.03		3.02
Harpers Ferry[2]	do		.14									1.23								.04		.81		.35	.07	.04	.97	.60	1.39		.10		5.74
Inwood	do	T.	.04									2.26							.03			.25		.50		.10		.57					3.75
Kearneysville	do	T.	.05									2.76									.32	T.		.43	T.	.08	.31	.41	.11			.40	4.87
Knobly Mountain[2]†	do		.08				.03	.14				.18										.17		T.			.15	.05	.84				1.64
Martinsburg[2]	do		.05	.02								.75								.01		.70		.01		.07	.20	.15	.35	.35	.25		2.91
McNeill†	do	T.		.12		.08		.36	T.		.34	T.									.37		.07	.08		.07	.25	.08	.05	T.		T.	1.87
Petersburg	do	.26	.07	.10		.14	.03	.03			.16	.35									.13		.11	.13			.11	.12		.04			1.78
Piedmont	do	.09				.08		.17				.50									.08			.01		T.	.21	.60			T.	.04	1.78
Romney	do					.15	.08					.50									.42			.55		.46	.25	.38	.25				3.04
Spruce Knob[2]†	do		.54				.37	.33		T.		.37			.22						.14	.28		.43	1.18	.07	.03	.10	.17		T.		4.23
Stony River Dam[2]†	do	.07	.19			.09	.28	.74				.44										.43		.10			.10	.33			.28		3.05
Wardensville[2]	do		.20		.02	.04	.05	.54		T.		.14			.34							.01		.01	.06	.01	.40	.25	.93	.01			3.01
Northern Division																																	
Aberdeen†	West Fork	.08	.08			1.10	.24	.75	T.		.64	.49									1.05	T.	.03	.02	T.	.04	T.	.25	T.		.65	T.	5.42
Alpena	Cheat	.36	.12			.93	.27	.31		.02	.74	.07									.55		.36				.85		.25	.11	1.89	.02	6.85
Belington[2]	Tygart	.15	.13	T.		.16	.74	.66		T.		.94									.07	.86		.11		.08	T.	T.	.39		1.20		5.49
Benson†	West Fork	.40	.16			1.15	.15	.60	.02		.85	.08									.20		.10	.02				.05			.25		4.03
Bens Run	Ohio	.33	.05		.35	.47	.52		.07		2.12	.20		.15							.67		.85					.47			.37		6.62
Big Skin Creek†	West Fork	.48				1.90	.50	.30	T.	.85											.75	.06						.35			T.	T.	5.19
Brownsville†	do	.13	.23			.96	.44	.54			.64	.28									.93	.04	.10				.06						4.35
Buckhannon	Tygart	.05	.37			.96	.39	.72			.80	.05									.57		T.			T.	.07				.87	.05	4.90
Cairo	Litl.Kanawha	.15	.60			.99	.31	.25				1.32			.29	.36					.10		.50	.05				.09	.05	.05			5.11
Clarksburg[2]	West Fork	.05	.09			.01	.30	.36				.72			.01						.16	.10				.13					.03		1.96
Crawford	do	.41				.44	.43		.02		.58	.04									1.35		.09			.82	.34	.46				.15	5.13
Creston[2]	Litl.Kanawha	2.02	.42				.07	.55		.02		1.30			.17							.21		.22				T.	.22		.13	.08	5.41
Dailey[2]†	Tygart	.32	.09			T.	1.54	.70				.73									.07	.84		.21				1.39	.55		.57		7.01
Dam 10, Mon. R.[2]†	Monongahela	.33	.04			.51	.06	.17				.38									.22	.42						T.	.54				2.67
Dam 13, O. R.[2]†	Ohio	.20				.59	.03	.37				.22			.03							.18	T.	.50				.01	.02				2.15
Dam 15, Mon. R.[2]†	Monongahela	.42	.02			.35	.13	.24				.46									T.	.47						T.	.98				3.07
Dam 19, O. R.[2]†	Ohio	.44	.87			.20	.32	.13		.02		1.57			.48							.30		.07				.01	.17		.30		4.88
Dam 20, O. R.[2]†	do	.02	.28			.10	.02	.10			T.	2.60			.30							.54		.21				.05	.68		.12	T.	5.02
Elizabeth (Dam 3)[2]	Litl.Kanawha	.76	.22	T.		T.	.15	.57	T.	.06	1.80	.20			.85						.30	.32	.10	.67					.72		.06		6.78
Elk†	West Fork					.85	.70	.60				.90										.75		.14				.81			.66		5.41
Elkins[1]‡	Tygart	.14	.06			.72	1.18		T.		.59	.04								.02	1.20		.40		.08	.01	1.02	.23		.30	1.48	.01	7.48
Fairmont[2]	Monongahela	.18	.09			.23	.13	.48				.46									.03	.28						.02	.71				2.61
Glenville[2]	Litl.Kanawha	.52	.33				.37	.50		.06		.87			.05						.22	.90		.21					.09			T.	4.12
Grafton	Tygart	.15	.03			.34	.18	.08				.35									.36	.30					.01	1.40	.01	.30	.64		4.15
Hackers Creek†	West Fork	.32				1.10	.05	.90	.01		.91	.07									.49		.09		.01			.06		.05			4.06
Hall[2]	Tygart	.01	.08			T.	1.23	2.09				.85									.09	.70		T.		T.		T.	.08		.83		5.96
Harrison Co. Airport[2]	West Fork																																....
Hastings	Ohio	1.12				.93	.11	.39			.36	.73			.03						.47		.23					1.08	.02		.20		5.67
Horner	West Fork	.22					.75	.50	.65		.75	.15								.77	.15	.10	.25			.10		.40		.25	.50		5.54
Ireland	do		.07	.43		.14	.29					1.11									.60		.08					.14				.12	2.98
Jane Lew	do	.27				1.35	.18	.32	T.		.45	.48									1.17	T.	.03	.02			.05			.03	.39		4.74
Kumbrabow St. For.†[2]	Tygart	.32	.19			.12	.34	.16	.01		.51	.59							.01		.59		.63		.07	.04	.13	.50		.22		.19	4.62
Lost Creek (near)	West Fork	.30				.92	.88	.01			.90										.40		T.		.20			T.		T.	.30		3.91
Mannington	Monongahela	.59				1.54	.22	.09			1.00	.04			.03						.21		.05					.70	.01				4.48
Middlebourne	Middle Is. Creek	.60	.05			.57	.08	.48				2.42			.10						.39	.86	T.	.33			.05		.12		.03		6.08
Midvale[2]†	Tygart	.60	.10			.06	.66	.82				.81									.23	2.08		.05		.49	.07	.07	1.03		.72		7.79
Morgantown	Monongahela																																....
Mt. Clare	West Fork	.22				.95	.20				1.12	.05									.28				.21	.02	.01				.06		3.12
New Cumberland	Ohio			.17	.20		.24			.07		.33									.12		.91					.02				.62	2.68
New Martinsville	do	.65	.46		.23	.06	.36		T.		.59	.31		.10						T.	.59		.15					.48			.10	T.	4.08
Parkersburg[1]‡	do	.32			.25	.79	.16		.02		1.22			.13					T.		.15		.62				T.	.23		.08	T.	T.	3.97
Parsons	Cheat	.18	.09			.85	.12	.15			.44	.66									1.92	.01	.10	T.	.02		.47	.11		.01	.15		5.28
Philippi[2]	Tygart	.03	.08			.01	.50	.55		T.		.80									.01	.66		.04		.03	T.	T.	.07		.42		3.20
Pickens	do	1.44	.04			.31	1.16	.27			.84	.72								.53	.15				.60	.10	.16	.32		.37		.19	7.20
Roanoke	West Fork	.40	T.			.69	.55	.54			.21	.95									.50	.08	.07					.21				.05	4.25
Rockford†	do	.29				.93	.57	.56			.96	.02			T.						.70		.02		T.	.05		.14		.02	.23		4.49
Rowlesburg[2]	Cheat	T.	.09			T.	.16	.18				.42				.27					.07	.31		T.					1.29	.40	.18		3.37
Saint Marys[2]	Ohio	.52	.10			.14		.75		.05		.67			.11							.56		.11				.05	.20		.61		3.87
Salem	West Fork	.70				.46	.13	.70	T.		.72	.06									.22		.12					.07		.02	.21		3.41
Shinnston	do	.40	.20	.32		.60	.56		.52		.30	T.										.15		.22		.10			.20	.05	.15		3.77
Terra Alta†	Cheat	.14	.04			.32	.15	.57	T.		.34	.03				.03				.28	.90	T.	.66	.06			T.	1.05		.19			4.76
Thomas[2]	do	1.34	.16				.55	.89				.93										1.55						.65			.75		6.82
Valley Chapel	West Fork	.53	.08			1.20	.10	.57	.07		.54	.54			T.					T.	.68		.09	T.				.02		T.	.84		5.26
Valley Head[2]	Tygart	.34	.15				.55	1.01		T.		.87	.03								.06	.37		.20		.40		.47	.75		.19		5.39
Vandalia†	West Fork	.22				.50	.32	.54			.91	.05									.98			.08		.07		.25				.09	4.01
Wellsburg (near)	Ohio	.25			.08		.54				.09										.75		.29	.40						.07		T.	2.47
West Milford	West Fork	.28	.04		.88		.06	.21			.75	.08									.35		.04	.05	1.12	.04		.05			.25		4.20
Weston[2]	do	.12	.15			.04	1.32	1.20				1.41			.02						.18	1.18		.05			.04	.05	.08		.52		6.36
Wheeling (Dam 12)[2]	Ohio	.48			.01	.16	.13	.28				.16			.02						.08	.04		.87				.15	.02		.01		2.41
Southern Division																																	
Arbovale[2]	Greenbrier	.90		T.			.20	.44			.90	.24									.13		.63	.14	.32		.11	.38		T.			4.39
Beckley	New	.90					.39	.22	.42	1.57	.73	T.									.33	.07		.07		.03	.16	.38	.17	.22	.07	.06	5.79
Bluefield	New	.93					.10	.62	.49	.19	.33	.07									1.07	.08			.02		*	.18	.02	.07		.27	4.44
Camden-on-Gauley[2]	Gauley	.25	.04				.02	1.70		.08		.70			.19						.76			.14		.02					.24	.03	4.17
Charleston (Airport)[4]	Gr. Kanawha	.97					1.61		.06	.30	1.23										1.55		T.			.01	T.	T.		T.	.15	.02	5.90
Clay[2]	Elk	.08	.12				T.	.98		.12		.84										.53		.52				.16	.74	T.		.09	4.18
Flat Top[4]	New	.49	T.				.74	.02	.32	.38	.90										.19	.04	.37				.85	.07	.01		.07		4.45
Gary[2]	Big Sandy	.14	1.65					1.45		.80	.01	1.03									.27	.47	.20	.01			T.	.06	.22	.03	.01	.09	6.44
Greenbottom[2]†	Ohio	.18					.12		.02	.37	.61			T.							T.	.12						.55		.20	.46	.10	2.73
Hinton[2]	New	.02	.40					.33	T.	.47	1.29	.43	.02									.55		.04				.63	.09	.04	.19	.16	4.66
Hogsett[2]	Ohio	.03	.01					.19		.02	.47	1.09	T.								T.	.20		.22					.11		.04	1.00	3.38
Huntington	do	.23	.74				.29	.16	T.	.14	1.37			.14							.41	.48		.03			T.	.47	.14	T.	.21	.22	5.03
Kayford[2]	Gr. Kanawha	.02	.02				.04	.67		.82	2.17	.65			T.	.01					T.	.10		.06	.24			.22	.22	.02	.02	.58	5.86
Lewisburg	Greenbrier	.38	.03				.11	.03	.02	1.01	.20	T.									.23		T.	.18	T.			.04			.02	.02	2.27
Logan[2]	Guyandot	1.21	.05					.68		.40	T.	1.45								T.	.07	.55		.01			.07	T.	.11	T.		.04	4.64
London Locks[2]†	Gr. Kanawha	.77	.05					1.66		.93	.83	1.44										.74	.03	.85				.15	.05		T.	.26	7.76
Madison[2]	Coal	2.11					.02			.75	.07	.96				.05					.02	.32		.42								.31	5.03
Marlinton	Greenbrier						.16	.29				.62										.17				.20	.25						1.69
Pineville	Gr. Kanawha	.60	T.				.66	.28	.42	.27	1.13	.35									1.15	.39	1.87				.27				.28	.05	7.72
Point Pleasant[2]	Ohio	.14	.05	.06			T.	.58			T.	.82	.02								T.	.97	T.	.32				.07	.57	T.		.03	3.63
Princeton[2]	New	.75					.77		.59	T.	.44	T.								T.	.11	T.	T.	T.	T.	T.	T.		T.		T.	T.	2.66
Rainelle	Greenbrier	.39					.41	.25	.07	1.90	.46			T.							.06		.04	.04			.07	.06			.31	.04	4.10
Ravenswood[2]	Ohio		.95			.02		.69		.04		1.05			.05							.20		.39				.03	.65		.36	T.	4.43
Richwood[2]	Gauley		.45					1.07		.07		.56										1.06		1.64		.16		.16	.28	.14	.20	.15	5.94

Continued on next page.

Daily Precipitation for July 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.54	.43	....	....	....	.55	.02	.05	....	1.00	.40	....	....	....	....	....	....	.02	....	.99	....	.07	....	....	....	....	.14	....	.01	.15	.04	4.41
Seneca State Forest†	Greenbrier	.35	.08	....	....	.20	....	....	....	....	....	.43	....	....	....	....	....	....	....	....	.01	.14	....	....	.04	.83	....	1.93	....	.02	.02	....	4.05
Spencer [2]	Litl.Kanawha	.36	.20	....	....	....	.37	.63	....	.03	.01	.63	....	....	.47	....	....	....	....	.01	.02	1.49	.03	.86	....	....	....	....	.09	....	.29	.09	5.64
Summersville[2]	Gauley	.08	.05	....	....	....	.10	1.95	....	....	.42	.60	....	....	....	....	....	....	....	....	....	1.42	....	.19	T.	T.	.28	....	.20	....	T.	T.	5.29
Sutton	Elk	.10	.03	....	....	.88	1.30	....	.05	....	.30	1.04	....	....	....	.10	....	....	....	....	.70	.22	....	.03	....	....	.62	.26	....	....	.03	.03	5.69
Thornwood[2]	Greenbrier	.40	.08	....	....	....	.40	.27	....	....	.35	.19	....	....	....	....	....	....	....	....	.05	.02	.12	.12	.09	....	.06	....	....	.05	.04	....	2.24
Union [2]	New	.27	.32	....	....	....	....	.23	....	.19	.62	.55	....	....	....	....	....	....	....	....	....	.40	....	.11	.04	....	....	.80	.28	....	....	....	3.81
Wayne [2]	Twelvepole	....	.24	....	....	....	....	1.30	....	.45	....	1.42	....	....	.57	....	....	....	....	....	....	1.11	....	.31	....	....	.05	....	.47	....	....	T.	5.92
White Sulp'r Spgs. [2]	Greenbrier	.05	.45	....	....	....	....	.10	....	.55	.20	.35	....	....	....	....	....	....	....	....	....	.05	....	.75	1.05	....	....	.05	....	..	.05	....	3.65
Williamson [2]	Big Sandy	1.01	.01	.01	....	....	....	.65	....	1.30	....	1.55	....	....	.03	....	....	....	....	....	.01	.96	....	.15	....	....	1.78	....	.81	.01	.04	.03	8.35
Winfield Locks[2]†	Gr. Kanawha	.25	.38	....	....	....	....	.34	....	.02	.04	1.17	....	....	....	....	....	....	....	.02	....	.83	....	.75	....	....	....	....	.14	....	.07	.64	4.65

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for July 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	71	76	79	80	75	72	72	67	78	85	80	85	83	82	76	85	89	88	87	84	80	80	82	76	75	77	80	82	81	82	80	79.6
	Minimum	54	51	45	47	50	59	47	43	49	44	45	47	50	48	45	43	45	51	65	68	52	45	48	53	52	45	59	57	54	56	55	50.7
Beckley	Maximum	76	76	81	83	85	76	74	73	79	81	81	76	89	83	84	82	92	89	88	88	76	80	80	79	81	81	84	79	80	75	80	81.0
	Minimum	61	58	52	53	58	61	59	48	59	58	63	57	54	65	66	54	59	66	65	67	62	60	60	57	62	62	63	60	59	63	60	59.7
Bluefield	Maximum	77	78	81	*82*	83	*77*	78	75	76	79	78	*73*	86	87	85	86	90	90	*88*	88	82	82	80	78	77	*73*	81	82	81	86	84	81.5
	Minimum	63	62	57	59	*61*	*63*	60	55	63	62	65	*62*	61	66	70	61	64	71	66	*70*	66	65	62	64	64	66	*67*	64	61	65	65	63.5
Brandywine	Maximum	81	82	84	88	87	85	80	78	85	86	87	90	92	87	90	92	97	97	96	95	88	89	84	81	78	86	87	89	90	92	91	87.5
	Minimum	64	64	48	51	52	54	55	41	49	48	58	49	57	54	58	60	64	71	69	65	63	50	52	56	57	61	58	60	58	59	57	56.8
Buckhannon	Maximum	78	75	80	83	79	77	74	71	80	84	83	85	87	83	85	84	90	91	90	87	87	81	81	82	83	80	83	83	84	85	82	82.5
	Minimum	65	62	57	58	63	64	67	58	67	59	65	64	61	60	65	72	62	69	69	70	68	61	61	62	62	64	68	70	65	70	65	64.3
Cairo	Maximum	90	75	83	84	86	82	79	79	85	87	87	88	92	92	89	87	93	95	95	92	86	89	78	88	89	88	88	85	87	88	88	86.9
	Minimum	66	59	59	57	61	63	55	50	62	61	66	61	62	65	60	57	63	68	69	72	69	63	61	60	62	66	67	66	65	65	67	62.8
Charleston (Airport)	Maximum	78	81	85	88	90	79	80	78	86	86	89	95	94	90	89	93	97	97	94	93	88	86	87	92	88	88	87	90	91	90	84	88.2
	Minimum	64	61	60	59	63	67	56	56	65	65	67	67	65	68	64	63	66	72	71	72	68	65	64	64	62	67	68	69	67	67	67	65.1
Clarksburg [3]	Maximum	74	77	82	84	80	77	76	73	84	84	85	88	90	86	82	89	94	93	91	89	85	82	86	84	85	86	84	89	87	88	87	84.5
	Minimum	62	62	60	55	56	62	52	50	52	58	59	59	59	61	56	54	53	61	70	72	66	61	60	61	61	63	66	64	65	65	65	60.4
Elkins	Maximum	73	77	81	83	77	77	73	70	80	84	82	85	88	84	80	85	91	91	88	82	81	83	82	81	79	80	78	83	83	84	83	81.5
	Minimum	62	58	56	58	62	61	55	52	60	55	64	58	57	68	58	56	61	68	72	67	63	58	61	62	60	64	66	63	64	65	66	61.3
Fairmont [3]	Maximum	74	82	86	86	80	77	80	76	84	83	89	91	91	90	84	90	98	96	95	89	82	80	87	84	85	88	81	89	..	..	..	85.6
	Minimum	65	63	59	60	61	67	53	53	60	60	67	61	61	69	58	57	62	71	72	73	65	62	61	62	63	63	68	67	..	..	..	63.0
Flat Top	Maximum	68	75	77	79	80	75	72	72	75	78	76	80	84	81	80	84	87	86	84	84	77	74	77	73	74	76	81	77	79	81	76	78.1
	Minimum	60	54	49	52	61	59	51	52	56	55	63	54	52	63	57	55	58	68	69	65	61	60	60	61	60	63	63	63	61	63	66	59.2
Gary [3]	Maximum	74	81	84	86	87	82	77	80	81	83	84	83	89	89	87	91	93	92	89	91	86	81	82	82	85	81	85	82	86	88	85	84.7
	Minimum	63	65	58	57	61	64	63	55	56	64	65	61	62	62	68	60	61	65	69	68	67	65	64	63	63	63	67	66	64	64	64	63.1
Glenville	Maximum	91	79	86	88	88	85	81	81	90	90	89	91	94	94	91	92	98	98	98	94	91	90	88	91	93	92	90	90	93	93	93	90.4
	Minimum	67	62	63	68	65	66	57	54	63	62	64	64	64	68	62	61	65	70	71	74	69	66	64	64	65	68	70	67	68	68	67	65.4
Grafton	Maximum	89	79	84	85	85	79	75	75	84	84	86	90	90	90	86	91	92	96	96	90	87	86	88	88	86	86	86	83	85	84	85	86.1
	Minimum	60	57	43	51	56	59	48	45	55	53	62	55	54	62	53	49	56	63	64	67	60	55	56	56	56	58	63	60	59	62	60	57.0
Huntington	Maximum	88	82	85	88	90	88	83	81	86	86	92	95	95	94	92	93	99	100	97	96	91	89	90	92	89	86	86	92	92	92	87	90.2
	Minimum	69	63	64	62	69	70	61	57	67	68	72	70	70	71	66	69	69	75	75	76	69	68	66	65	67	69	71	69	71	71	70	68.4
Lewisburg	Maximum	79	80	82	85	85	81	78	75	81	82	84	86	88	87	87	88	92	91	90	89	85	79	83	78	76	81	87	85	84	88	82	83.8
	Minimum	64	64	54	57	58	63	61	49	60	58	65	60	56	65	65	57	63	67	69	69	64	61	62	63	64	65	64	63	63	65	60	61.9
Logan [3]	Maximum	77	87	88	90	92	83	82	82	84	86	90	95	95	94	93	97	100	98	96	94	90	88	90	92	91	91	89	91	93	94	88	90.3
	Minimum	67	65	64	62	59	64	64	59	60	67	69	56	66	68	71	64	69	72	73	73	70	68	66	64	66	69	70	68	67	69	67	66.3
Madison[3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	64	62	63	58	57	62	62	56	65	65	68	65	63	66	69	63	66	71	72	71	69	65	64	65	64	68	68	69	66	68	65	65.1
Mannington	Maximum	85	78	81	83	79	78	75	74	80	80	84	87	89	86	83	86	92	92	91	88	83	78	82	84	84	85	85	85	84	84	84	83.5
	Minimum	65	63	55	55	61	63	53	49	59	58	67	55	58	65	55	52	60	68	68	74	64	60	59	58	60	64	66	65	65	65	66	61.1
Marlinton	Maximum	81	80	83	86	85	82	79	78	84	84	84	88	91	90	90	92	96	94	94	91	87	85	84	80	79	80	88	*87*	*87*	*90*	89	86.1
	Minimum	61	56	52	54	54	57	58	47	56	53	63	57	74	61	59	53	59	60	65	67	60	58	60	60	62	63	62	*61*	*60*	*60*	61	59.1
Martinsburg [3]	Maximum	80	87	90	94	89	90	85	82	85	86	91	91	98	99	89	89	101	101	103	101	88	90	85	81	75	78	90	92	95	92	93	90.0
	Minimum	62	65	60	61	59	66	59	57	58	59	62	64	67	67	64	57	58	70	73	75	66	63	64	65	66	67	68	67	67	66	67	64.2
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Martinsville	Maximum	89	80	85	87	81	80	81	76	87	79	91	93	93	90	85	93	97	100	96	91	89	83	87	93	90	88	84	91	88	91	90	88.0
	Minimum	67	60	56	58	61	68	56	53	60	62	68	58	62	65	55	57	63	70	70	72	64	65	59	62	64	67	68	67	62	67	69	63.1
Parkersburg	Maximum	79	75	84	86	86	80	80	77	87	80	88	92	93	90	84	89	96	95	94	90	87	78	81	88	86	84	81	88	87	87	86	85.7
	Minimum	64	59	59	62	64	62	56	57	63	67	70	65	68	69	64	62	67	78	77	74	70	67	64	63	66	70	68	69	71	69	70	66.3
Pickens	Maximum	75	73	79	81	73	73	72	67	78	32	78	82	83	86	83	83	87	86	85	83	87	85	80	78	78	78	81	85	80	81	79	80.0
	Minimum	57	52	47	54	56	57	48	42	55	52	58	51	55	54	59	50	62	66	64	53	56	54	55	51	54	58	60	55	58	55	58	55.1
Point Pleasant	Maximum	90	79	86	88	90	90	85	87	89	86	88	94	96	93	90	93	101	100	100	93	89	87	81	89	89	88	88	91	91	90	88	90.0
	Minimum	69	63	62	63	69	72	59	56	65	68	70	68	70	70	65	64	67	77	76	78	72	70	65	63	66	70	72	70	71	71	70	68.1
Rainelle	Maximum	82	77	81	83	85	83	75	77	80	81	83	86	88	87	83	89	93	92	89	89	82	80	83	82	80	82	83	85	86	89	85	83.9
	Minimum	61	59	52	51	52	58	57	46	56	57	66	56	51	60	61	52	57	60	55	55	60	59	59	59	62	62	64	61	59	61	56	57.5
Spencer [3]	Maximum	76	78	83	86	85	76	78	72	85	84	87	91	90	88	84	89	93	94	92	89	85	83	88	81	86	86	85	86	88	87	86	85.2
	Minimum	67	60	60	58	63	67	57	53	58	62	67	63	64	67	60	60	62	72	71	76	69	66	62	62	63	62	63	67	67	69	67	64.0
Sutton	Maximum	91	82	86	88	88	87	85	87	88	88	92	93	93	92	92	94	98	98	96	95	92	90	88	85	87	87	88	88	89	89	90	89.9
	Minimum	62	63	59	57	60	61	61	60	52	61	60	61	62	67	65	60	61	67	69	68	69	64	65	63	63	67	67	65	66	68	65	63.2
Wardensville [3]	Maximum	79	84	83	88	83	84	79	75	83	86	88	88	94	92	85	88	98	98	98	95	89	87	83	78	69	84	87	88	88	89	90	86.5
	Minimum	64	60	52	56	58	56	55	47	53	53	61	56	55	63	56	51	62	63	68	76	59	56	64	61	63	64	64	61	62	63	62	59.5
Weston	Maximum	90	80	86	87	85	79	81	78	84	89	88	93	95	91	89	90	98	99	95	92	90	88	89	88	90	90	88	90	91	90	89	88.8
	Minimum	67	63	60	58	62	68	56	51	60	60	70	60	62	65	60	59	62	70	71	66	70	64	64	63	62	65	70	66	67	70	70	63.9
Wheeling[3]	Maximum	82	78	82	85	82	78	78	78	84	76	89	92	91	99	83	86	94	96	91	84	88	79	83	87	87	85	85	90	86	88	86	85.3
	Minimum	67	62	54	57	64	64	57	56	60	61	64	61	63	67	59	56	57	58	76	76	64	66	60	60	62	65	68	66	68	68	68	63.0
Williamson[3]	Maximum	78	85	87	89	91	82	83	82	84	87	90	92	95	94	91	94	98	97	93	91	87	89	88	89	90	87	89	85	90	90	89	88.9
	Minimum	68	67	64	61	64	67	66	60	61	67	69	67	68	70	72	66	68	73	74	74	70	67	68	65	67	68	70	68	69	70	69	67.6

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.242	.014	.039	.305	.189	.113	.142	.232	.056	.162	.116	.230	.246	.111	.290	.200	.169	.229	.233	.232	.103	.164	.076	.194	.096	.134	.097	.104	.122	.154	.226	5.020
	Wind movement	23	15	22	31	18	22	41	23	9	15	15	48	18	23	35	24	11	21	57	52	21	15	14	22	9	13	9	12	17	32	38	725
Wardensville	Evaporation	.263	.063	.210	.146	.255	.139	.154	.282	.094	.169	.139	.272	.256	.318	.277	.292	.241	.315	.365	.382	.261	.299	.193	.107	.136	‡	.152	.265	.172	.207	.241	6.654
	Wind movement	37	12	20	13	8	21	36	22	17	15	29	17	25	33	39	31	19	32	60	57	44	36	26	21	40	47	24	25	25	21	9	861

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations. ‡ Negative amount of evaporation, —.011.

(WBO, Columbus, Ohio, 8-29-42—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., AUGUST 1942 No. 8

GENERAL SUMMARY

Although the month averaged slightly below normal in temperature, there was only one really cool period: that of the 24–26th. The remainder of the month was warm and humid, with the 1st–3d and 15–18th being particularly warm.

The month was the second wettest August of record, being exceeded only in 1898. All stations showed plus departures except three. The excesses ranged from somewhat less than an inch in the southwestern part of the State up to 8.75 inches at Parsons. Ten stations reported totals of ten inches or more of rainfall during the month. On the 21st, a bolt of lightning killed a woman while she was feeding her chickens near a tree at her farm home at Winslow, Wayne County. A pier on the Baltimore and Ohio Railroad bridge over the mouth of the Big Sycamore Creek, Clay County, was undermined by high water on the 23d, causing a train wreck in which the engineer, fireman and a brakeman were killed.

It was an excellent month for crop growth but not the best for harvesting. The close of the month saw apples, corn, buckwheat, and the lesser crops in good condition and beginning to mature.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 71.1°, or 0.7° below the normal. The mean for the northeastern panhandle division was 70.0°; for the northern division, 70.4°; and for the southern division, 72.1°. The highest monthly mean was 76.2° at Huntington and Logan, and the lowest, 62.6° at Bayard. The highest temperature was 100° at Logan on the 2d, and the lowest, 30° at Bayard on the 26th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 7.22 inches, or 3.08 inches above normal. In the northeastern panhandle division the average was 7.44 inches; in the northern division, 7.24 inches; and in the southern division, 7.08 inches. The greatest monthly precipitation was 15.03 inches at Valley Head and the least, 1.52 inches at New Cumberland. The greatest amount in any 24 consecutive hours was 4.33 inches at Thornwood on the 8th. The average number of days with .01 inch or more of precipitation was 14.

ERRATA

June 1942: Parkersburg, Page 22, number of rainy days, 11; Page 23, amount on 18th, .01; on the 19th, 1.26.

July 1942: Hinton, Page 26, number of rainy days, 14; Kearneysville, mean temperature, 75.2°. Page 27, Hall, amount on the 7th, 0.86; total for the month, 4.73.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	6	..	7	6	20	5	2	1	13	24	11	9	27	21	14	10	17	41	27	3	2	2	10	32	15	18	5	8	18	33
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	..	..	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	1	..
Hail	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	1	1	..	..	..	..	..	..	..	1	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	4	11	25	3	1	1	4	6	12	7	3	7	7	3	3	6	12	2	..	1	6	12	8	..	..	..	1	1	4	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.04	30.32	25	29.76	9	5.4	24	sw.	9	92	57	72	67
Columbus, Ohio	30.04	30.34	25	29.80	9	7.2	36	sw.	23	88	57	69	54
Elkins	30.08	30.40	26	29.82	23	4.3	15	nw.	17	96	66	87	38
Huntington Airp't	30.04	30.33	25	29.79	9	......	23	sw.	2	93	61	81	....
Parkersburg	30.04	30.37	25	29.78	9	3.9	20	w.	16	92	60	71	45
Pittsburgh, Pa	30.05	30.38	25	29.80	9	7.8	31	sw.	2	89	58	72	45

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	69.8	..	..	3.48	6.10	4.73	5.48	0.0	7	..	..	..
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	..	..	..	..
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	..	..	..	..
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	9	17	9	5
1942	71.1	100	30	7.44	7.24	7.08	7.22	.0	14	9	12	10
Period	71.8	112	30	3.89	4.23	4.20	4.14	.0	10	14	10	7

Climatological Data for August 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	62.6	−3.2	85	§2	30	26	7.68	+3.30	1.22	23	0.0	15	14	7	10	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	......	..	..	..	..	....	......	....	.....	...	..	..	..	..	......	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	69.0	−0.9	94	2	35	26	7.16	+3.58	2.25	8	.0	15	14	0	17	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	..	..	7.38	+3.39	1.56	9	.0	12	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	71.3	......	95	§1	41	26	8.27	......	1.90	8	.0	10	5	18	8	e.	H. W. Prettyman
Kearneysville	Jefferson	548	12	72.2	−2.1	95	2	43	26	6.06	+2.31	1.63	8	.0	10	8	19	4	n.	University Exper. Station
Martinsburg	Berkeley	435	50	73.6	+0.6	99	2	45	26	8.86	+4.80	1.50	18	.0	13	13	17	1	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	70.8	−0.5	97	2	37	26	7.31	+4.32	.96	§3	.0	15	10	12	9	w.	R. E. Saville
Piedmont	Mineral	1,053	29	70.3	−0.2	91	§2	44	26	6.54	+2.95	1.52	17	.0	13	5	12	14	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	71.4	−1.2	96	3	40	26	5.86	+2.25	.94	17	.0	13	18	4	9	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	......	..	..	..	.	6.26	+1.68	.86	3	.0	16	3	7	21	w.	Fred Becker
Wardensville	Hardy	1,200	21	69.4	−0.1	93	2	39	26	8.42	+4.79	2.23	17-18	.0	19	5	15	11	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	..	..	..	..	5.88	+1.40	1.33	2	.0	13	3	20	8	w.	L. Esle Bond
Alpena	Randolph	2,571	11	66.0	+0.5	85	§2	34	26	8.44	+3.55	1.55	23	.0	14	2	23	6	w.	Christian Hertig
Benson	Harrison	1,080	18	72.1	+1.4	92	§2	43	25	5.32	+0.87	.98	§10	.0	12	8	11	12	......	R. D. Marts
Bens Run	Pleasants	652	40	74.2	+0.6	94	2	48	25	8.94	+4.70	2.03	9	.0	12	19	7	5	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	66.6	......	89	2	36	25	7.33	......	1.08	9	.0	13	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	....	......	..	..	34	25	7.35	+3.08	1.58	8	.0	12	12	12	7	w.	M. D. Hawkins
Buckhannon	Upshur	1,411	45	70.1	+0.2	88	2	44	25	9.42	+5.33	1.60	8	.0	11	15	12	4	......	H. A. Darnall
Cairo	Ritchie	680	41	72.9	+0.4	93	3	45	25	5.13	+1.26	1.12	9	.0	11	8	13	10	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	70.0	−2.0	91	2	44	§25	4.27	−0.21	1.13	24	.0	13	9	15	7	se.	Clarksburg Water Board
Creston	Wirt	640	40	73.6	+0.5	94	2	48	§25	6.36	+2.50	1.40	24	.0	15	9	13	9	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	..	..	..	..	8.53	+4.47	1.87	17-18	.0	12	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	..	..	..	..	6.41	+3.04	1.68	23	.0	13	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	..	..	..	..	7.74	+3.61	1.35	17-18	.0	12	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	..	..	..	..	4.90	+1.24	1.10	17	.0	13	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	..	..	..	..	5.99	+2.20	1.48	27	.0	13	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	..	..	..	..	4.90	+0.90	1.60	23	.0	11	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	69.0	−0.1	87	2	44	26	9.35	+5.49	1.93	2-3	.0	15	4	8	19	e.	U. S. Weather Bureau
Fairmont	Marion	883	36	70.8	−1.9	..	..	48	§25	8.19	+4.19	1.80	3	.0	10	9	12	10	w.	J. C. Robinson
Glenville	Gilmer	738	48	75.4	+1.5	95	3	49	§25	4.95	+0.72	1.52	23-24	.0	12	7	13	11	w.	Howard R. Braunon
Grafton	Taylor	1,050	49	68.4	−3.0	91	3	39	§25	7.73	+4.02	2.84	3	.0	12	13	7	11	......	L. W. Clayton
Grantsville	Calhoun	900	1	....	......	93	2	..	..	5.66	......	1.80	23	.0	9	5	25	1	s.	James Roberts
Hastings	Wetzel	809	7	....	......	..	..	..	..	9.09	......	2.02	21	.0	16	7	13	11	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	..	..	..	..	5.63	+0.78	1.54	8	.0	10	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	71.4	+0.7	92	2	42	§25	4.08	−0.15	1.85	22	.0	8	17	7	7	n.	Mrs. Gladys Edmonds
Mannington	Marion	974	39	69.6	−0.6	88	2	43	25	8.88	+4.80	2.15	13	.0	15	10	10	11	w.	James A. Morgan
Middlebourne	Tyler	750	1	....	......	92	2	..	..	7.06	......	1.16	10	.0	10	10	9	12	sw	L. A. Crumrine
Morgantown	Monongalia	1,300	49	69.0	−3.0	91	2	50	§5	9.59	+5.58	2.25	17	.0	13	13	10	8	sw.	State Horticultural Farm
New Cumberland	Hancock	671	44	71.7	+0.9	93	2	43	25	1.52	−1.87	.59	23	.0	10	9	3	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	72.8	−0.9	95	2	45	25	6.56	+2.67	1.92	23	.0	12	19	7	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	73.3	−0.6	94	2	50	25	6.15	+2.64	1.69	8-9	.0	12	6	18	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	70.3	+0.9	89	2	43	§25	12.80	+8.75	3.12	9	.0	17	6	9	16	nw.	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	..	..	..	..	7.44	+3.20	1.83	9	.0	13	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	65.6	−0.9	85	2	38	§26	10.63	+5.16	2.50	23	.0	16	10	13	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	..	..	..	..	7.06	+2.72	1.65	23-24	.0	14	7	11	13	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	70.4	......	90	§2	45	§25	8.44	+3.91	1.71	3-4	.0	14	0	6	25	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	..	..	..	..	6.30	+2.21	1.89	9-10	.0	9	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	65.6	−1.2	84	3	37	25	5.27	+0.26	1.30	§3	.0	8	9	5	17	e.	Lawrence Pritt
Thomas	Tucker	3,000	13	....	......	..	..	..	..	11.41	+6.32	3.00	3	.0	11	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	71.8	−0.7	94	3	43	25	5.96	+1.80	1.25	8-9	.0	13	7	15	9	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	70.9	+0.6	94	2	38	25	5.70	+2.14	2.09	15-16	.0	10	10	13	8	......	George P. Pfister
West Milford	Harrison	979	17	....	......	..	..	..	..	5.28	+0.66	1.55	23-24	.0	14	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	74.2	+1.5	94	2	49	25	6.55	+2.85	1.35	21	.0	14	0	27	4	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	71.4	−1.4	92	2	47	25	4.17	+0.62	1.00	23-24	.0	14	8	6	17	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	..	..	11.72	+7.41	2.37	8	.0	17	9	12	10	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	68.8	−0.5	88	§2	41	25	6.19	+2.35	2.04	5	.0	12	10	16	5	......	L. A. Mauck
Bluefield	Mercer	2,558	47	70.3	−0.2	89	3	46	25	5.97	+2.36	1.11	13	.0	15	6	14	11	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	73.7	......	96	2	50	§25	5.18	......	3.27	23	.0	11	4	15	12	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	66.0	......	85	2	43	§25	7.76	......	1.98	5	.0	18	4	12	15	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	72.0	0.0	93	2	47	§26	3.57	−0.54	.88	6	.0	17	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	74.6	......	94	2	55	31	5.74	......	2.00	23	.0	12	3	19	9	sw.	State Forest Nursery
Hamlin	Lincoln	641	1	73.4	......	95	2	49	27	6.59	......	3.65	23-24	.0	13	14	7	10	......	James J. Jeffries
Hinton	Summers	1,431	45	72.4	−0.9	93	2	48	§27	7.69	+3.53	2.56	6	.0	14	..	..	.	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	76.2	+1.4	98	2	52	25	4.58	+0.88	2.44	23	.0	13	6	16	9	nw.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	....	..	..	..	..	6.19	+1.36	1.55	6	.0	14	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	69.8	+0.4	90	2	42	26	7.84	+3.89	2.72	5	.0	18	4	11	16	......	J. K. Monroe
Logan	Logan	700	39	76.2	+1.2	100	2	52	27	4.70	+0.21	1.61	23-24	.0	13	3	16	12	......	Paul A. Simonds
London Locks	Kanawha	623	6	75.0	......	95	2	51	27	5.30	......	2.62	24	.0	14	6	14	11	......	Lockmaster
Madison	Boone	675	21	73.7	−0.7	94	2	47	§27	4.71	+0.89	1.88	24	.0	11	10	7	14	.....	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	70.7	+4.6	94	2	41	26	11.12	+6.44	3.20	8	.0	16	4	24	3	w.	Edward A. Moore
Oak Hill	Fayette	1,950	1	69.9	......	87	§2	49	§25	10.03	......	2.75	5	.0	17	8	7	16	......	W. E. Holy
Pineville	Wyoming	1,350	2	74.4	......	96	2	47	§26	8.02	......	1.50	12	.0	14	11	17	3	......	Charles Dameron
Point Pleasant	Mason	595	43	76.0	+1.3	96	2	51	25	3.35	+0.14	1.10	24	.0	16	20	10	1	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	68.6	+0.3	91	2	40	26	9.98	+4.20	3.00	5	.0	20	13	4	14	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	73.3	+0.4	95	3	47	25	4.32	+0.97	1.03	24	.0	14	8	4	19	sw.	Lockmaster
Richwood	Nicholas	2,193	12	69.5	−0.9	90	2	44	§25	8.25	+3.09	1.27	18	.0	17	17	10	4	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	74.2	......	96	3	47	25	8.40	......	2.10	§5	.0	10	10	14	7	......	Sattis Simmons
Ryan	Roane	700	39	71.2	+0.5	93	2	43	25	6.81	+2.73	2.33	23	.0	11	11	15	5	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	66.7	......	88	2	37	§26	10.67	......	1.64	8	.0	22	6	18	7	nw.	Supt., State Forest
Spencer	Roane	789	38	72.1	−0.2	91	2	47	25	5.83	+1.86	1.65	24	.0	13	5	19	7	......	A. M. McKown
Summersville	Nicholas	1,900	6	70.4	......	91	2	40	27	6.48	......	2.05	21	.0	15	5	15	11	......	A. E. Dorsey
Sutton	Braxton	850	36	74.4	+1.3	95	§2	48	§26	7.97	+3.72	2.15	23	.0	15	16	14	1	......	C. B. Eakle
Union	Monroe	2,200	38	69.2	−1.0	94	2	41	26	4.35	+0.42	1.40	6	.0	13	6	0	25	......	C. B. King
Webster Springs	Webster	1,500	10	....	......	92	2	..	..	9.96	......	2.12	23	.0	17	11	19	1	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	69.3	−1.0	93	2	43	§26	6.15	+2.56	1.85	5	.0	14	19	4	8	......	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	75.7	+0.9	95	2	53	27	10.34	+6.35	3.77	5-6	.0	17	1	23	7	nw.	J. E. Dotson
Winfield Locks	Putnam	571	4	74.2	......	94	2	50	26	4.78	......	2.18	23-24	.0	14	12	8	11	sw.	Lockmaster
State averages and	extremes	......	....	**71.1**	**−0.7**	**100**	**2**	**30**	**26**	**7.22**	**+3.08**	***4.33**	**8**	**0.0**	**14**	**9**	**12**	**10**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. § Also on other dates. * Thornwood

Daily Precipitation for August 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard[2]	Potomac	....	....	.90	.04	....	.13	....	.43	.47	.49	....	....	.36	.35	....	.75	....	.34	....	....	....	.55	1.22	.68	....	....	....	....	.95	.02	....	7.68
Brandywine	....do	T.	....	.52	T.	.88	.12	T.	2.25	.35	....	.11	....	.29	.70	....	....	.08	.20	....	....	.25	.06	1.00	....	....	....	....	....	.20	.15	....	7.16
Brushy Run[2]	....do	.01	....	.67	.03	.01	.63	....	.64	.89	.49	....	....	.41	.53	....	T.	....	1.14	....	....	T.	.20	....	.92	....	....	....	....	1.15	.57	....	8.29
Harpers Ferry[2]	....do	.01	....	.47	.04	....	.03	....	.44	1.56	1.20	....	.12	.83	1.19	....	....	....	1.00	....	....	....	....	....	.49	....	....	....	....	....	....	....	7.38
Inwood	....do	T.	....	1.06	....	....	....	....	1.90	.46	....	....	1.32	.18	....	.16	....	1.89	....	....	....	....	....	.50	.17	....	....	....	....	.63	....	....	8.27
Kearneysville	....do	....	T.	.51	....	....	....	....	1.63	.24	....	....	.32	1.39	.20	T.	T.	1.14	....	....	....	....	T.	.23	.38	....	....	....	....	.02	....	....	6.06
Knobly Mountain[2]†	....do	....	.20	.24	....	....	....	....	.16	.62	.03	....	T.	.15	.58	....	1.28	.05	.42	....	....	....	....	.26	.47	....	....	....	....	.84	....	....	5.30
Martinsburg[2]	....do	....	.01	.55	....	....	....	....	.40	1.45	.20	....	.15	1.40	1.20	T.	.25	.40	1.50	....	....	....	T.	T.	.60	....	....	....	....	....	.75	....	8.86
McNeill†	....do	....	....	.96	T.	.32	....	.64	.84	.51	....	....	.27	.48	.30	.04	.23	.54	.03	....	....	T.	.49	.70	T.	....	....	....	....	.96	T.	....	7.31
Petersburg	....do	....	....	1.22	....	.55	....	.04	.50	.95	....	.22	.04	1.19	.41	....	....	.14	.02	....	....	....	....	.50	.30	....	....	....	....	1.39	.01	....	7.48
Piedmont	....do	.05	....	.36	....	....	....	....	.80	.27	....	....	.24	.32	....	1.00	.10	1.52	....	....	....	T.	.20	.91	....	....	....	....	....	.76	.01	....	6.54
Romney	....do	....	....	.40	....	....	....	....	.72	.33	....	....	.08	.62	.50	.46	.30	.94	....	....	....	.04	....	.84	.12	....	....	....	....	....	.51	....	5.86
Spruce Knob[2]†	....do	.26	.04	1.27	.18	.32	.63	....	1.89	.46	.22	....	....	1.07	.22	....	.08	.13	.37	.02	T.	.17	1.02	.04	1.43	....	....	....	....	T.	1.21	.13	11.16
Stony River Dam[2]†	....do	....	....	.86	....	....	.38	....	.23	.64	.72	....	.05	.35	.20	....	.04	.18	.03	....	....	....	.64	.20	.62	....	....	....	....	.70	.42	....	6.26
Wardensville[2]	....do	....	....	.79	T.	....	.42	....	.64	.68	.61	.01	.01	.18	.19	....	.65	1.27	.96	....	....	....	.02	.12	.85	.04	....	....	....	.81	.15	.02	8.42
Northern Division																																	
Aberdeen†	West Fork	....	1.33	T.	....	.23	....	....	.60	.51	.54	....	.19	.14	....	....	....	.14	....	....	....	.66	.17	1.05	.29	....	....	....	T.	.03	....	....	5.88
Alpena	Cheat	....	....	1.00	.03	.45	....	....	.84	.65	....	T.	.38	.55	....	....	.56	.29	....	....	....	.93	.77	1.55	.18	....	....	....	.26	....	....	....	8.44
Belington[2]	Tygart	T.	T.	1.30	....	....	.35	....	.33	1.13	.53	....	....	.22	T.	....	T.	.05	.01	....	....	....	2.07	.12	1.22	....	....	....	....	.07	....	....	7.40
Benson†	West Fork	....	....	.12	....	.25	....	....	.88	.47	.98	....	.10	....	....	....	....	.08	....	....	....	.35	.38	.98	.60	....	....	....	....	.13	....	....	5.32
Bens Run	Ohio	....	....	.33	....	....	....	....	.22	2.03	.61	.25	....	....	....	....	.35	.74	....	....	....	1.26	.88	1.70	....	....	....	....	.06	.51	....	....	8.94
Big Skin Creek†	West Fork	....	T.	1.03	.02	.30	.04	....	1.05	.97	.33	....	.43	T.	....	....	....	.18	T.	....	....	.10	.57	1.56	....	....	....	....	.25	.10	....	....	6.93
Brownsville†	....do	....	....	.91	....	.37	....	....	1.58	.70	1.08	....	.27	....	....	....	....	.15	....	....	....	.52	.05	.95	.57	....	....	....	....	.20	....	....	7.35
Buckhannon	Tygart	T.	T.	1.30	....	1.40	....	....	1.60	1.45	.15	....	.28	.40	....	....	....	T.	....	....	....	1.10	.05	1.54	.15	....	....	....	T.	....	....	....	9.42
Cairo	Litl.Kanawha	....	....	.15	....	.22	....	....	.34	1.12	.95	....	....	....	....	....	....	.65	....	....	....	.40	.10	.90	.20	....	....	....	.10	....	....	....	5.13
Clarksburg[2]	West Fork	....	....	.14	.08	....	.12	....	....	.50	.59	....	....	.04	.08	....	....	.02	.28	....	....	....	.52	.53	1.13	....	....	....	....	.24	....	....	4.27
Crawford	....do	T.	....	.67	.13	.28	....	....	.58	.53	.23	T.	.34	.08	.06	....	....	.07	....	....	....	.44	.15	1.73	.17	....	....	....	....	.26	....	....	5.72
Creston[2]	Litl.Kanawha	.04	....	.15	....	.25	.25	....	T.	.87	.93	....	.55	.03	....	....	.02	T.	.25	....	....	.65	.60	.12	1.40	....	....	....	....	.25	....	....	6.36
Dailey[2]†	Tygart	.10	....	2.40	.20	T.	.37	....	.23	.30	.75	....	.20	1.14	1.00	....	.39	.35	.01	....	....	.03	2.70	.26	1.64	....	....	....	....	.30	.03	....	12.40
Dam 10, Mon. R.[2]†	Monongahela	....	....	1.25	T.	....	....	....	....	.46	.46	....	....	.06	.99	....	.81	.37	1.50	....	....	....	.53	1.29	.78	....	....	....	....	.03	....	....	8.53
Dam 13, O. R.[2]†	Ohio	....	....	.81	....	....	....	T.	.02	.05	.14	.02	....	.02	1.49	....	....	.94	.52	....	....	....	.12	1.68	.44	....	....	....	....	.16	....	....	6.41
Dam 15, Mon. R.[2]†	Monongahela	....	....	1.07	....	....	....	....	T.	.54	1.08	....	....	.10	.13	....	.38	.02	1.33	....	....	....	1.30	.95	.80	....	....	....	....	.04	....	....	7.74
Dam 19, O. R.[2]†	Ohio	.12	....	.12	.01	T.	.05	....	T.	.97	.94	....	....	T.	....	....	....	1.10	.19	....	....	.02	.20	.53	.64	....	....	....	.01	....	....	....	4.90
Dam 20, O. R.[2]†	....do	.24	....	.03	....	T.	.18	....	T.	1.00	.55	....	....	T.	....	....	....	.86	.22	....	....	.05	.22	.12	.82	....	....	....	.22	....	....	....	4.51
Elizabeth (Dam 3)[2]	Litl.Kanawha	.10	....	.09	....	....	.32	....	....	1.16	.16	....	.05	....	....	....	....	.40	.35	....	....	.62	....	1.60	....	....	....	....	....	.05	....	....	4.90
Elk†	West Fork	....	....	1.10	....	.21	.15	....	.60	.37	.97	....	.20	.21	....	....	....	.36	....	....	....	.20	.30	1.50	....	....	....	....	....	....	....	....	6.17
Elkins[1]‡	Tygart	....	T.	1.93	.09	.36	....	.07	.97	.88	T.	....	1.00	.63	....	.19	.03	T.	....	....	....	1.57	.19	1.37	....	....	....	....	.05	.02	....	....	9.35
Fairmont[2]	Monongahela	....	....	1.80	....	....	....	....	....	T.	.12	....	....	.09	.06	....	.72	.89	.98	....	....	....	1.28	1.45	.80	....	....	....	....	T.	....	....	8.19
Glenville[2]	Litl.Kanawha	.07	....	.26	....	....	.41	....	....	.58	.27	....	....	.28	....	....	....	....	.12	....	....	.04	1.14	.13	1.39	....	....	....	....	.26	....	....	4.95
Grafton	Tygart	....	....	2.84	....	....	.01	....	.64	.45	....	.09	....	.08	.16	....	....	....	.54	....	....	....	.76	2.10	.04	....	....	....	....	.02	....	....	7.73
Hackers Creek†	West Fork	....	....	.44	....	....	....	....	.90	1.05	.05	....	.17	....	....	.08	....	.06	....	....	....	.74	.32	1.34	.23	....	....	....	.05	....	....	....	5.43
Hall[2]	Tygart	....	....	1.27	....	.12	.36	....	.11	2.00	.86	T.	....	.12	.03	....	....	.34	T.	....	....	T.	1.89	.16	1.24	....	....	....	....	.03	T.	....	8.53
Harrison Co. Airport[2]	West Fork	T.	.52	.32	....	.11	....	T.	.56	.57	....	.01	.08	1.37	....	.66	.02	.33	....	....	....	.06	.77	1.36	....	....	....	....	.02	.03	....	....	6.79
Hastings	Ohio	....	....	.43	....	....	....	....	.38	.75	.02	....	T.	.17	1.35	.13	....	1.19	.02	....	....	2.02	.38	1.20	.38	.02	....	....	.05	.60	....	....	9.09
Horner	West Fork	T.	....	.67	....	.60	....	....	1.05	1.23	1.02	....	.99	.45	....	....	....	....	....	....	....	.85	....	1.25	....	....	.05	....	....	.30	....	....	8.46
Ireland	....do	.94	....	1.02	.39	.31	....	....	.51	.21	....	....	....	....	.61	....	....	....	....	....	....	.30	....	2.60	.51	....	....	....	....	.45	....	....	7.85
Jane Lew	....do	....	....	1.32	....	.23	....	....	1.54	.41	.23	....	....	....	....	....	....	....	....	....	....	.77	.27	.79	.03	....	....	....	....	.04	....	....	5.63
Kumbrabow St. For.†[2]	Tygart	.53	....	1.90	.13	.60	....	....	1.10	.40	.07	.40	.39	.07	.01	....	....	.22	....	....	....	1.04	.71	1.81	.16	....	....	....	....	.52	....	....	10.06
Lost Creek (near)	West Fork	....	....	.23	....	.24	....	....	....	.52	.39	....	.15	....	....	....	....	.10	....	....	....	.60	1.85	....	....	....	....	....	....	....	....	....	4.08
Mannington	Monongahela	....	....	.80	....	....	....	....	.21	1.03	.08	....	.06	2.15	.02	.02	.07	.90	.01	....	....	.98	.76	1.77	....	....	....	....	....	.02	....	....	8.88
Middlebourne	Middle Is. Creek	....	....	1.12	T.	....	....	....	....	.62	1.16	T.	....	.04	....	....	T.	.64	.49	....	....	....	.70	1.11	.77	....	....	....	....	.41	....	....	7.06
Midvale[2]†	Tygart	.09	....	1.81	.10	.18	.34	....	.34	.91	.43	.03	....	.29	.28	....	....	.29	....	....	....	....	1.05	.10	1.54	....	....	....	....	.38	....	....	8.16
Morgantown	Monongahela	....	....	.75	....	....	....	....	.60	.39	....	....	....	....	1.45	.35	.50	2.25	....	....	....	.25	.35	2.10	T.	.20	T.	.25	....	.15	T.	....	9.59
Mt. Clare	West Fork	....	....	.15	....	.20	....	....	.65	.61	.27	....	.12	....	....	.21	....	.07	....	....	....	.34	.48	1.51	.09	....	....	.03	....	....	....	....	4.73
New Cumberland	Ohio	....	.05	....	....	....	....	....	.03	.38	....	....	....	.02	....	.05	.26	.04	....	....	....	....	....	.59	....	....	....	.07	.03	....	....	....	1.52
New Martinsville	....do	....	....	.80	....	....	....	....	.20	.75	.04	....	.02	....	....	.08	.10	1.82	....	....	....	.52	.29	1.92	....	....	....	....	....	.02	....	....	6.56
Parkersburg[1]‡	....do	.76	T.	.14	....	.05	....	....	.90	1.17	....	....	T.	....	....	....	.90	.33	....	....	....	.54	.23	.86	....	....	....	....	.01	.26	....	....	6.15
Parsons	Cheat	T.	....	2.33	....	.40	.01	....	.72	3.12	.38	....	T.	.77	.02	.03	.86	.11	....	....	....	2.46	.40	.72	.29	....	....	....	....	.16	.02	....	12.80
Philippi[2]	Tygart	T.	T.	1.17	.05	....	.22	....	.14	1.83	.78	T.	....	.16	T.	....	....	.12	.06	....	....	....	1.15	.43	1.25	....	....	....	....	.08	T.	....	7.44
Pickens	....do	.35	....	1.48	.45	.38	.04	....	.57	.92	.93	.08	1.08	.30	....	....	....	.11	....	....	....	1.28	.54	2.50	....	....	....	....	....	.52	....	....	10.63
Roanoke	West Fork	....	....	1.06	....	.45	.10	....	1.20	.80	.42	....	.22	.05	....	....	....	.21	....	....	....	.42	.06	1.59	.06	....	....	....	....	.42	....	....	7.06
Rockford†	....do	T.	....	.64	....	.22	....	....	.87	.42	.75	T.	.11	.01	....	....	....	.18	....	....	....	.59	.48	1.48	....	....	....	....	T.	.29	....	....	6.04
Rowlesburg[2]	Cheat	....	....	1.61	.10	.15	T.	....	.56	.59	.40	....	....	.40	.03	....	....	.08	.77	....	....	....	.93	1.26	1.24	....	....	....	....	.32	....	....	8.44
Saint Marys[2]	Ohio	....	....	.49	....	....	....	....	....	.05	1.84	....	.04	....	....	....	.02	1.23	....	....	....	....	1.45	....	.71	....	....	....	....	.47	....	....	6.30
Salem	West Fork	....	....	.25	....	.08	....	....	.46	.55	.16	....	.07	....	....	....	....	.43	....	....	....	.53	.33	1.63	....	....	....	....	....	.15	....	....	4.64
Shinnston	....do	....	.01	2.02	....	....	....	....	.62	.78	....	....	T.	2.35	....	.22	.13	2.11	....	....	....	.64	1.05	.55	....	....	....	....	....	.50	.05	....	11.03
Terra Alta†	Cheat	....	....	1.30	....	....	....	....	.50	.45	.07	....	T.	.05	T.	....	....	1.20	....	....	....	.40	1.30	....	....	....	....	....	....	....	....	....	5.27
Thomas[2]	....do	....	....	3.00	T.	....	.46	....	.64	.91	1.40	....	....	.53	....	....	....	.35	.40	....	....	....	1.53	....	1.58	....	....	....	....	.61	....	....	11.41
Valley Chapel	West Fork	....	....	1.23	....	.21	....	....	.84	.41	.12	....	.19	....	T.	.09	....	.03	....	....	....	1.12	.23	.95	.28	....	....	....	....	.26	....	....	5.96
Valley Head[2]	Tygart	....	.05	2.17	.68	.02	.81	....	2.09	1.56	.26	.17	.76	.55	1.75	....	.27	.08	.80	....	....	.09	1.00	.05	1.36	....	....	....	....	.51	T.	....	15.03
Vandalia†	West Fork	....	....	1.49	....	.33	....	....	.87	1.10	....	....	.58	....	....	....	.38	....	.05	....	....	.90	.11	2.00	....	....	....	....	....	.27	....	....	8.08
Wellsburg (near)	Ohio	.19	....	.57	....	....	....	....	....	1.35	.29	....	....	....	....	1.90	.19	.23	....	....	....	.05	.19	.74	....	....	....	....	....	....	....	....	5.70
West Milford	West Fork	....	....	.21	....	.20	....	....	.82	.42	.31	....	.10	.12	....	....	....	.33	....	....	....	.30	.52	1.25	.30	....	....	....	.05	.35	....	....	5.28
Weston[2]	....do	....	....	.75	....	.30	.32	....	.05	1.10	.85	....	....	.24	.42	....	....	.16	.10	....	....	....	.70	.06	1.35	....	....	....	....	.15	....	....	6.55
Wheeling (Dam 12)[2]	Ohio	....	....	.91	....	....	....	T.	.03	.12	.28	.02	....	.02	.27	....	.04	.62	.32	....	....	....	.08	.65	.35	....	....	....	....	.46	....	....	4.17
Southern Division																																	
Arbovale[2]	Greenbrier	T.	....	1.09	.20	.93	....	.15	2.37	.33	T.	T.	.84	.40	.01	.85	....	1.26	....	T.	.13	.91	.14	.84	....	....	....	....	....	.64	.63	....	11.72
Beckley	New	....	....	.33	.64	2.04	....	....	.31	.08	T.	....	1.12	....	....	....	....	.33	T.	.03	.01	.06	....	1.12	.12	....	....	....	....	T.	....	....	6.19
Bluefield	New	....	....	.25	.10	.56	.50	....	.50	.61	....	....	.68	1.11	.02	.03	....	1.08	.02	.47	.02	.02	....	....	....	....	....	....	....	T.	....	....	5.97
Camden-on-Gauley[2]	Gauley	.02	....	.19	.48	.14	.71	....	.70	1.92	.20	....	.04	.50	....	....	....	.10	.05	....	....	.25	.60	T.	2.11	....	....	....	....	.48	....	....	8.49
Charleston (Airport)[4]	Gr. Kanawha	....	T.	.02	.03	.25	T.	.07	.15	.97	T.	.01	.17	....	....	....	....	.22	....	....	T.	T.	.02	3.27	....	....	....	....	....	....	....	....	5.18
Clay[2]	Elk	....	.32	.12	.90	.09	.28	....	T.	.56	.14	....	.32	.45	....	....	....	T.	.08	....	....	.52	.02	....	2.97	....	....	....	....	....	....	....	6.77
Flat Top[4]	New	....	....	.59	.14	1.98	....	.13	.97	.19	.09	.67	.36	.06	.01	....	....	.25	.08	.13	1.13	.20	.02	.76	....	....	....	....	....	T.	....	....	7.76
Gary[2]	Big Sandy	....	....	....	.20	.40	.88	....	.35	.82	.19	.07	.01	....	....	.01	....	.03	.08	.08	....	.07	.24	.03	.10	....	.01	....	....	....	....	....	3.57
Greenbottom[2]†	Ohio	....	.04	....	.98	.32	....	.05	.19	.26	....	.10	.68	....	....	....	T.	.53	....	....	....	.30	.29	2.00	....	....	....	....	....	....	....	....	5.74
Hinton[2]	New	.12	....	....	.07	.68	2.56	T.	.42	.54	....	....	.48	.24	.34	....	....	....	1.34	.33	....	.17	.01	....	.39	....	....	....	....	T.	T.	....	7.69
Hogsett[2]	Ohio	.39	....	....	.58	.08	.37	T.	.04	.30	.07	....	.15	.03	....	....	....	.04	.14	....	....	.17	.13	.37	1.42	....	....	....	....	.01	....	....	4.29
Huntington	....do	....	.10	....	.15	.29	....	.09	.20	.13	.09	.14	.17	....	....	....	....	.60	....	....	....	.10	....	2.44	....	....	....	....	....	.08	....	....	4.58
Kayford[2]	Gr. Kanawha	.05	....	.06	.30	1.18	1.55	T.	.01	.20	.25	....	.10	.20	....	....	....	....	.32	....	....	.47	....	.10	1.40	....	....	....	....	....	....	....	6.19
Lewisburg	Greenbrier	T.	....	....	.45	2.72	.01	.01	1.83	.08	T.	1.02	.32	.02	T.	.02	....	.06	.01	.25	.01	.04	....	.39	.03	T.	....	....	T.	.57	....	T.	7.84
Logan[2]	Guyandot	T.	....	.06	.12	.77	1.07	T.	.24	.17	.25	T.	.07	.02	....	....	....	T.	.30	T.	....	.02	T.	.75	.86	T.	....	....	....	....	....	....	4.70
London Locks[2]†	Gr. Kanawha	.06	....	....	.18	.48	.92	.03	....	.15	.15	T.	.12	.29	....	....	....	.10	.05	....	....	.12	T.	....	2.62	.03	....	....	....	....	....	....	5.30
Madison[2]	Coal	....	....	....	.18	.80	....	....	.45	.58	.05	....	.17	.08	....	....	....	....	.19	....	....	....	.03	.30	1.88	....	....	....	....	....	....	....	4.71
Marlinton	Greenbrier	....	....	.10	....	1.17	.05	.04	3.20	.30	....	....	....	.29	1.25	....	1.48	.36	.46	.06	....	*	....	*	1.82	....	....	....	....	.54	....	....	11.12
Pineville	Gr. Kanawha	....	....	.52	.84	1.08	.06	....	.71	.20	.24	....	1.50	....	....	....	*	.12	....	....	.16	1.48	.96	.15	....	....	....	....	....	....	....	....	8.02
Point Pleasant[2]	Ohio	.12	T.	.11	T.	.05	.23	T.	.02	.22	.49	.19	.09	T.	....	....	....	.12	.14	T.	....	.02	.33	.10	1.10	.02	....	....	....	....	....	....	3.35
Princeton[2]	New	....	....	.01	.26	1.71	.07	.37	.39	.04	....	T.	.40	.17	T.	.21	.09	.11	2.01	.13	.10	T.	T.	.27	T.	....	....	....	....	T.	....	....	6.34
Rainelle	Greenbrier	....	....	.05	.72	3.00	.05	.27	1.45	.03	.01	.24	1.10	.38	.13	....	....	.83	....	....	.63	.06	.20	.71	.05	.01	....	....	....	.06	....	....	9.98
Ravenswood[2]	Ohio	.08	....	.08	T.	.80	.38	....	T.	.42	.68	....	.03	.05	T.	....	....	.05	.43	....	....	T.	.22	.05	1.03	....	....	....	....	.02	....	....	4.32
Richwood[2]	Gauley	....	....	.32	.26	.13	1.12	....	.18	.37	.93	.04	.49	.64	.13	....	....	.04	1.27	....	....	.39	....	.33	1.24	....	....	....	....	.37	....	....	8.25

Continued on next page.

Daily Precipitation for August 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	.03	1.38	.32	....	....	.30	.92	....	.02	....	....	....	....	....	.10	....	....	.01	....	.93	2.33	....	....	....	....	....	.47	....	....	6.81
Seneca State Forest†	Greenbrier	.03	.02	1.14	.03	1.18	.06	.05	1.64	.34	.01	.02	.03	.54	1.50	....	.62	1.55	....	.13	....	.36	....	.46	.16	....	....	....	....	.78	.02	....	10.67
Spencer[2]	Litl.Kanawha	....	.17	.07	.28	....	.26	....	.02	1.15	.17	....	.24	....	....	....	....	....	.26	....	....	.28	.83	.45	1.65	....	....	....	....	....	....	....	5.83
Summersville[2]	Gauley	....	....	....	.35	.23	.75	....	.07	1.30	....	.05	T.	.55	.10	....	....	.20	.03	....	....	.30	.02	.24	2.05	....	....	....	....	.24	....	....	6.48
Sutton	Elk	....	....	.82	.72	.28	T.	....	.25	.62	.04	.93	.15	.43	....	....	....	.20	....	....	....	.36	.55	2.15	.22	....	....	....	....	.25	....	....	7.97
Thornwood[2]	Greenbrier	.04	....	1.80	.19	.78	.06	.08	4.33	.03	.17	.04	.59	.57	.18	....	.30	.57	.33	....	.12	.57	.29	1.70	.12	....	....	....	....	.40	.43	....	13.69
Union[2]	New	....	....	....	....	.15	1.40	....	.04	.75	....	....	....	.32	....	.05	....	....	.82	.04	....	.38	....	.18	.10	....	....	....	.02	....	.10	....	4.35
Wayne[2]	Twelvepole	.06	....	....	1.64	.04	.32	....	.14	.41	.29	.04	.39	....	....	....	....	....	....	....	....	.10	....	T.	2.16	....	....	....	....	....	....	....	5.59
White Sulp'r Spgs.[2]	Greenbrier	....	....	.15	.40	1.85	.05	.20	.20	.95	....	.10	.30	....	....	....	.30	.10	.10	....	.60	....	....	.85	....	....	....	....	....	....	....	....	6.15
Williamson[2]	Big Sandy	....	....	.14	1.38	3.43	.34	....	.66	.61	.20	.84	.14	.07	....	....	....	.37	.35	....	.17	.02	....	1.14	.47	....	....	....	....	....	.01	....	10.34
Winfield Locks[2]†	Gr. Kanawha	.07	....	.11	.28	.05	.26	.01	.02	.24	.28	....	.91	.06	....	....	....	T.	.31	....	....	....	....	.02	2.16	....	....	....	....	....	....	....	4.78

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for August 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	83	85	80	77	65	77	76	62	77	75	80	72	80	80	85	83	79	78	80	81	71	79	70	63	65	71	79	74	81	67	72	75.7
	Minimum	56	60	61	53	51	53	50	53	55	54	48	49	51	50	43	45	53	57	51	50	50	57	60	47	32	30	31	35	47	60	45	49.6
Beckley	Maximum	86	88	88	74	71	77	81	77	82	79	80	76	83	84	85	86	74	75	78	77	76	86	79	78	74	76	80	81	80	78	76	79.5
	Minimum	63	60	68	62	59	52	58	62	62	61	54	61	60	56	63	62	61	62	62	60	63	63	64	50	41	45	48	49	60	59	51	58.1
Bluefield	Maximum	82	*86*	89	76	74	76	79	77	79	78	80	78	80	82	84	86	75	78	81	79	82	82	*82*	82	71	70	76	79	78	*80*	80	79.4
	Minimum	65	*65*	65	66	65	58	61	64	64	64	59	63	62	60	65	*65*	64	63	64	64	63	65	*66*	55	46	50	51	53	61	*61*	60	61.2
Brandywine	Maximum	93	94	92	85	80	79	80	72	80	87	85	78	86	89	91	88	87	80	82	90	79	90	82	72	73	75	78	85	87	82	83	83.4
	Minimum	56	60	64	60	57	55	57	58	57	60	52	58	60	54	59	60	60	59	58	55	60	56	59	45	40	35	38	42	44	55	59	54.6
Buckhannon	Maximum	85	88	86	84	78	78	82	76	80	79	79	73	80	83	85	85	80	81	81	81	81	82	82	65	69	73	77	77	80	78	76	79.5
	Minimum	68	65	67	67	63	60	60	66	69	63	65	60	62	61	59	67	60	63	56	61	67	70	60	55	44	46	47	55	67	58	52	60.7
Cairo	Maximum	88	90	93	85	83	83	83	87	81	80	83	84	85	86	88	90	89	80	85	88	87	85	86	70	77	81	82	81	88	88	87	84.6
	Minimum	68	67	71	66	63	61	60	65	65	60	61	63	63	62	62	66	68	62	55	56	68	64	68	54	45	46	49	61	66	59	54	61.2
Charleston (Airport)	Maximum	93	96	90	79	74	82	88	79	87	84	85	82	86	93	92	91	78	83	88	87	88	90	75	72	78	84	83	86	88	87	83	84.9
	Minimum	68	70	70	70	61	63	66	66	66	61	63	65	64	65	66	67	66	64	62	65	69	66	57	52	50	51	50	58	63	57	56	62.5
Clarksburg[3]	Maximum	89	91	86	81	71	81	86	77	81	81	82	73	85	87	89	89	75	79	87	87	80	85	71	69	75	79	80	80	83	79	80	81.2
	Minimum	68	67	69	65	63	59	59	60	65	61	57	59	62	60	58	59	65	62	55	54	54	65	65	54	44	44	46	49	62	59	50	58.7
Elkins	Maximum	84	87	82	79	67	78	81	72	79	79	81	73	80	84	85	86	78	78	83	84	74	82	77	64	73	78	80	77	80	72	76	78.5
	Minimum	70	66	68	67	60	59	60	64	64	62	58	61	63	60	57	63	66	61	57	61	65	64	58	48	46	44	45	52	67	55	50	59.4
Fairmont[3]	Maximum	..	..	..	..	..	..	..	..	..	82	82	73	88	89	91	90	75	81	88	88	81	89	70	71	76	80	81	82	77	80	83	....
	Minimum	..	..	..	..	..	..	..	..	..	61	60	61	60	62	60	66	69	61	57	56	63	69	68	56	48	48	51	61	65	64	54	....
Flat Top	Maximum	82	85	82	69	66	74	77	68	78	76	80	72	78	82	82	82	77	73	78	73	78	80	76	63	66	68	72	77	77	66	70	75.1
	Minimum	64	66	62	64	52	52	59	61	61	60	59	60	58	55	58	60	61	61	58	60	62	64	53	45	43	45	46	43	62	54	53	56.8
Gary[3]	Maximum	89	93	89	77	75	81	83	77	82	83	83	79	83	87	89	88	84	81	86	80	85	87	83	71	77	80	82	83	84	78	81	82.6
	Minimum	64	65	67	67	66	60	60	63	65	64	60	60	64	64	64	65	67	66	67	66	66	67	66	58	50	47	47	47	52	62	54	61.3
Glenville	Maximum	92	94	95	90	84	86	89	86	82	85	87	81	88	92	92	93	93	84	90	89	84	89	85	86	81	85	85	85	89	89	87	87.6
	Minimum	70	69	72	69	65	64	63	65	67	64	63	66	65	65	66	68	69	66	59	59	68	64	62	58	49	49	50	59	68	63	55	63.2
Grafton	Maximum	85	90	91	86	80	82	82	82	79	79	84	80	84	84	85	90	89	80	83	90	85	82	82	71	68	74	82	76	81	86	79	82.3
	Minimum	61	61	63	58	56	54	55	59	60	56	53	55	58	55	53	58	61	56	49	50	60	59	55	50	39	39	43	51	62	54	46	54.5
Huntington	Maximum	95	98	92	87	79	85	87	82	88	85	86	82	88	91	93	91	86	82	90	85	88	92	84	75	80	86	85	88	90	88	85	86.9
	Minimum	73	72	74	71	65	63	67	68	69	65	66	67	64	67	68	69	69	66	62	66	72	70	67	55	52	55	55	64	70	65	58	65.6
Lewisburg	Maximum	87	90	89	80	69	77	78	76	80	80	82	73	81	85	85	85	83	78	81	78	83	80	81	71	70	73	76	81	82	78	73	79.5
	Minimum	66	63	69	66	59	56	59	64	65	61	58	63	65	61	62	65	64	65	64	62	66	65	64	52	45	42	45	48	64	63	53	60.1
Logan[3]	Maximum	96	100	93	77	72	85	88	81	88	86	89	85	90	92	94	95	86	83	89	83	91	93	83	74	81	83	85	89	91	85	86	86.9
	Minimum	69	70	73	69	69	66	67	67	67	65	66	67	68	68	68	70	71	70	68	69	70	69	69	57	55	53	52	53	60	66	58	65.5
Madison[3]	Maximum	*92*	94	90	77	75	82	88	79	88	85	87	83	88	91	92	91	82	84	87	73	84	77	73	74	69	82	82	87	88	86	75	83.4
	Minimum	68	*72*	72	69	66	64	65	65	68	62	64	66	65	66	67	67	70	68	65	67	69	67	70	56	53	52	47	47	66	64	57	64.0
Mannington	Maximum	86	88	86	81	80	80	82	75	79	79	81	73	81	83	85	86	76	78	82	83	78	84	79	68	72	76	77	77	82	78	79	79.8
	Minimum	66	67	70	62	60	58	59	64	65	59	60	60	63	60	60	64	66	59	53	54	65	65	63	54	43	44	48	59	65	58	51	59.5
Marlinton	Maximum	89	94	90	86	76	83	83	70	84	84	82	*79*	85	89	88	88	86	80	85	*80*	85	88	*85*	*76*	86	77	*78*	82	85	79	79	83.3
	Minimum	61	61	64	67	61	57	58	62	62	61	57	*62*	61	59	55	63	63	62	63	*60*	61	61	*62*	*50*	44	41	*44*	44	61	61	52	58.1
Martinsburg[3]	Maximum	96	99	92	85	73	85	89	73	81	91	89	82	85	90	94	92	86	84	86	92	86	93	77	74	75	80	81	83	86	80	83	85.2
	Minimum	70	71	72	67	67	61	62	62	62	63	63	62	65	66	66	66	69	66	61	61	63	68	69	58	47	45	46	51	54	65	55	62.0
Morgantown	Maximum	90	91	89	80	80	81	79	82	83	79	*81*	80	77	76	77	82	74	80	80	80	83	85	76	64	72	80	75	80	82	85	82	80.2
	Minimum	59	62	60	55	50	50	58	62	56	60	*60*	60	55	52	50	65	64	62	63	65	60	56	59	53	57	55	52	60	55	60	57	57.8
New Martinsville	Maximum	92	95	90	86	80	86	85	80	82	83	87	83	90	89	90	90	80	82	88	88	84	88	80	73	75	83	83	83	88	84	83	84.8
	Minimum	69	68	70	64	61	57	59	65	65	61	62	61	63	62	63	65	64	60	58	54	62	65	62	53	45	49	50	65	67	62	56	60.9
Parkersburg	Maximum	89	94	87	84	72	83	79	81	84	82	82	78	87	88	92	88	77	79	86	89	84	88	79	70	74	80	81	84	84	84	80	82.9
	Minimum	74	74	71	68	62	58	64	65	64	64	62	65	65	63	66	67	66	63	58	61	71	69	61	56	50	52	57	66	69	66	59	63.7
Pickens	Maximum	80	85	81	75	69	74	78	72	75	78	78	74	77	79	82	82	78	75	80	81	72	78	70	61	71	75	76	70	76	75	76	75.9
	Minimum	63	61	64	60	58	55	53	59	59	62	54	55	55	55	52	57	59	60	53	56	60	57	53	50	47	38	38	56	59	56	54	55.4
Point Pleasant	Maximum	92	96	94	85	80	86	83	81	87	90	82	84	87	93	94	92	89	87	90	86	90	93	90	73	79	84	86	88	87	88	89	87.3
	Minimum	73	74	73	72	65	60	61	67	70	69	64	65	63	65	67	68	68	65	58	63	63	69	71	55	51	53	56	65	71	64	57	64.7
Rainelle	Maximum	88	91	83	83	70	77	78	78	83	83	79	77	82	85	86	87	81	78	82	78	83	81	82	63	69	75	77	82	79	76	74	79.7
	Minimum	63	61	62	64	60	56	57	63	61	59	55	58	62	60	58	60	61	63	62	60	63	60	61	54	43	40	42	46	58	59	49	57.4
Spencer[3]	Maximum	90	91	83	80	69	82	84	76	84	82	83	79	85	89	89	89	77	79	86	85	85	89	74	73	77	81	81	83	86	85	80	82.5
	Minimum	70	67	72	68	65	62	62	66	66	63	63	63	63	62	62	64	64	63	57	58	62	65	69	55	47	49	51	60	64	60	52	61.7
Sutton	Maximum	90	95	95	95	88	84	87	87	88	88	86	80	89	90	92	92	91	83	88	88	87	90	90	77	80	82	84	84	87	87	84	87.4
	Minimum	69	66	72	63	66	63	62	63	61	64	60	66	64	63	61	64	63	65	62	60	68	64	60	57	52	48	48	55	63	60	54	61.5
Wardensville[3]	Maximum	92	93	82	80	65	78	76	67	83	84	85	79	81	87	88	89	85	80	82	87	81	88	76	68	69	69	76	81	81	73	75	80.0
	Minimum	62	63	69	64	61	58	61	62	63	62	56	61	64	60	58	64	65	65	61	60	65	61	64	51	43	39	44	47	57	62	53	58.9
Weston	Maximum	90	94	89	85	83	85	88	82	85	85	86	83	88	90	90	91	89	81	90	89	86	88	82	72	80	85	86	81	88	85	84	85.8
	Minimum	70	69	70	70	64	62	62	65	70	65	60	65	63	62	61	66	67	65	51	59	68	66	72	59	49	50	50	60	67	60	54	62.6
Wheeling[3]	Maximum	90	92	86	80	77	82	80	79	81	81	83	75	85	87	89	88	80	80	85	87	80	86	*69*	70	73	80	80	80	84	82	83	81.7
	Minimum	70	71	72	64	60	56	56	65	68	66	62	63	63	64	64	65	66	61	59	59	59	69	60	56	47	48	50	54	59	64	57	61.2
Williamson[3]	Maximum	93	95	90	79	74	84	86	79	87	85	85	84	87	90	91	90	82	79	88	81	88	90	82	74	82	83	85	87	86	84	82	84.9
	Minimum	70	71	75	70	69	67	67	57	68	66	66	67	69	68	68	71	71	70	69	70	70	70	71	58	56	55	53	58	63	68	59	66.5

Daily Evaporation (inches) and Wind Movement (miles)

Clarksburg	Evaporation	.185	.170	.154	.190	.120	.007	.132	.111	.040	.152	.150	.095	.009	.104	.173	.126	.180	.083	.110	.176	.104	.052	.144	.090	.099	.118	.120	.123	.069	.043	.247	3.676
	Wind movement	36	28	34	32	30	5	9	7	4	6	24	6	1	11	21	14	19	8	15	13	12	11	31	7	19	9	5	1	11	31	15	475
Wardensville	Evaporation	.204	.202	.261	.176	.133	.047	.130	.083	.037	.146	.212	.161	.107	.113	.162	.236	....	.196	.119	.153	.177	.108	.202	.106	.196	.188	.169	.250	.136	.124	.114	4.803
	Wind movement	10	19	7	13	6	6	3	0	4	1	9	3	11	4	8	14	10	0	0	2	1	10	3	4	21	10	5	17	12	0	8	221

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 9-28-42—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., SEPTEMBER 1942 No. 9

GENERAL SUMMARY

The noteworthy feature was the unusually cold weather that prevailed during the closing days of the month, when minimum temperature records for September were broken at 29 stations and equalled at 4 stations. Killing frosts were general but practically all crops had matured and had been harvested so the damage was slight and confined chiefly to late corn, tobacco, and tomatoes. The month averaged below normal in temperature. The first two decades of the month were warm while the third decade was considerably below normal in temperature.

Precipitation was considerably above normal and all but a few widely scattered stations showed plus departures. The heaviest amounts fell in the northern part of the northern division. A patient at the Weston State Hospital was killed by lightning on the evening of September 8th.

September was a better month for harvesting than the two preceding ones, due to longer periods of fair weather. The high temperatures of the first three weeks caused the corn and soybean crops to mature rapidly.

During the water year just ended, from October 1, 1941 to September 30, 1942, the precipitation averaged 99 per cent of normal. The precipitation during the growing season just ended averaged 112 per cent of normal. As it was well distributed, the farm crop yields were at or near record proportions. The ground water supply and the stream levels were about normal at the close of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 65.1°, or 1.3° below the normal. The mean for the northeastern panhandle division was 64.3°; for the northern division, 64.8°; and for the southern division, 65.6°. The highest monthly mean was 70.6° at Point Pleasant and the lowest, 55.1° at Bayard. The highest temperature was 98° at Martinsburg on the 1st and Point Pleasant on the 13th, and the lowest, 15° at Bayard on the 29th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 131 stations, was 3.97 inches, or 1.07 inches above normal. In the northeastern panhandle division the average was 2.99 inches; in the northern division, 4.59 inches; and in the southern division, 3.64 inches. The greatest monthly precipitation was 8.62 inches at Hastings, and the least, 1.43 inches at Wardensville. The greatest amount in any 24 consecutive hours was 2.73 inches at Saint Marys on the 18th. The average number of days with .01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	34	17	16	12	19	18	6	6	3	5	25	33	10	30	17	2	4	3	3	3	11	31	11	5	25	5	2	7	21	24	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	2	..	..	4	37	2	..
Gales	..	..	..	..	..	..	1	1	1	1	..	..	..	..	2	1	..	..	..	..	..	1	1	4	..	..	1	2	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	1	1	1	..	14	11	7	1	..	..	..	6	7	..	2	2	2	..	..	..	..	..	..	1	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.06	30.56	29	29.71	26	6.1	19	sw.	9	90	53	74	68
Columbus, Ohio	30.06	30.58	29	29.68	27	8.6	29	sw.	9	88	53	70	57
Elkins	30.10	30.61	29	29.63	27	4.5	22	nw.	24	96	62	90	49
Huntington Airp't	30.07	30.56	29	29.61	27	......	15	sw.	8	91	58	83	....
Parkersburg	30.07	30.58	29	29.61	27	4.6	26	nw.	9	92	56	74	57
Pittsburgh, Pa	30.08	30.59	29	29.62	27	9.1	28	nw.	24	89	56	71	59

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	66.8	..	..	0.38	2.20	0.84	1.66	0.0	..	..	..	..
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	..	..	..
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	..	..	..
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
1942	65.1	98	**15**	2.99	4.59	3.64	3.97	.0	11	12	10	8
Period	66.4	107	15	2.76	3.07	2.75	2.90	T.	7	15	8	7

Climatological Data for September 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	55.1	−5.8	87	15	15	29	3.79	+0.48	1.24	27–28	0.0	12	13	10	7	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	67.2	......	91	§15	26	29	4.67	......	2.00	27	...	8	17	6	7	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	62.1	−2.6	91	§9	18	29	2.16	−0.22	1.36	27	.0	6	20	5	5	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	..	..	3.73	+1.07	1.63	28	.0	6	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	64.8	......	94	§16	28	30	3.93	......	1.95	27	.0	6	17	8	5	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	66.8	−0.7	92	15	30	29	4.41	+1.08	2.26	26–27	.0	7	13	15	2	n.	University Exper. Station
Martinsburg	Berkeley	435	50	67.4	+0.5	98	1	33	§29	4.79	+1.87	2.55	9	.0	6	22	7	1	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	65.0	−0.8	93	9	22	29	1.81	−0.47	.81	26	.0	7	13	10	7	w.	R. E. Saville
Piedmont	Mineral	1,053	29	63.8	−1.9	89	19	28	29	3.51	+1.10	1.25	27–28	.0	11	8	10	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	64.6	−2.2	91	§9	24	29	2.22	−0.46	.90	27	.0	9	17	8	5	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	......	..	..	..	..	3.62	+0.84	1.34	27	.0	12	3	11	16	w.	Fred Becker
Wardensville	Hardy	1,200	21	63.8	−0.4	90	15	24	29	1.43	−1.16	1.08	27–28	.0	8	11	11	8	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	..	..	..	..	5.04	+1.73	1.70	26–27	.0	12	6	15	9	w.	L. Esle Bond
Alpena	Randolph	2,571	11	60.0	−1.0	86	15	18	29	3.52	−0.54	.96	10	.0	12	9	15	6	w.	Christian Hertig
Benson	Harrison	1,080	18	65.8	−1.1	93	15	25	29	4.31	+0.68	1.20	§15	.0	12	10	12	8	......	R. D. Marts
Bens Run	Pleasants	652	40	67.6	−0.8	91	§14	33	29	6.22	+3.63	2.25	8	.0	12	21	5	4	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	60.6	......	89	15	23	29	6.02	......	1.93	18	.0	13	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	66.3	−1.3	92	15	27	29	5.11	+1.36	1.48	27	.0	11	11	10	9	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	45	64.8	+0.3	84	§14	28	§29	4.75	+1.79	1.30	27	.0	10	17	5	8	......	H. A. Darnall
Cairo	Ritchie	680	41	66.6	−1.5	91	§15	27	29	3.84	+1.04	1.01	27	.0	9	12	10	8	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	63.4	−4.1	91	15	29	29	4.08	+0.48	1.51	18	.0	14	12	14	4	......	Clarksburg Water Board
Creston	Wirt	640	40	67.7	−0.1	92	§14	30	29	5.71	+3.02	2.05	17–18	.0	13	8	15	7	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	..	..	..	..	4.28	+0.76	1.95	18	.0	11	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	..	..	..	..	3.88	+0.90	1.17	27–28	.0	9	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	..	..	..	..	4.37	+1.18	1.58	18	.0	8	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	..	..	..	..	3.26	+0.60	.74	9	.0	10	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	..	..	..	..	4.51	+1.92	.83	18	.0	10	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	..	..	..	..	4.45	+1.86	.95	16	.0	10	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	63.5	+0.5	88	15	26	29	3.51	+0.36	1.12	26–27	.0	15	5	7	18	se.	U. S. Weather Bureau
Fairmont	Marion	883	36	65.7	−1.7	89	§15	31	29	4.20	+1.25	1.36	18	.0	13	12	7	11	w.	J. C. Robinson
Glenville	Gilmer	738	48	69.2	+0.7	94	15	31	29	5.38	+2.16	1.35	8–9	.0	11	11	11	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	63.0	−4.1	92	§15	22	29	3.76	+1.15	....	....	.0	15	17	5	8	......	L. W. Clayton
Grantsville	Calhoun	900	1	65.8	......	90	§14	..	..	3.77	......	1.20	16	.0	10	0	24	6	n.	James Roberts
Hastings	Wetzel	809	7	....	......	..	..	..	..	8.62	......	1.68	18	.0	11	18	4	8	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	..	..	..	..	3.68	+0.44	1.43	27	.0	10	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	65.6	+0.2	94	15	24	29	4.15	+1.16	1.43	26–27	.0	9	18	6	6	n.	Mrs. Gladys Edmonds
Mannington	Marion	974	39	63.6	−1.3	87	15	27	29	5.86	+2.47	1.84	17	.0	14	14	6	10	w.	James A. Morgan
Middlebourne	Tyler	750	1	^{e}62.7	......	91	14	28	29	6.19	......	1.65	18	.0	10	12	7	11	sw	L. A. Crumrine
Morgantown	Monongalia	1,300	49	....	......	..	..	..	..	....	......	....	....	.0	..	..	..	..	......	State Horticultural Farm
New Cumberland	Hancock	671	44	66.6	+1.1	93	15	32	29	1.90	−1.01	.84	26–27	.0	10	12	1	17	se.	C. O. Valentine
New Martinsville	Wetzel	637	48	66.4	−2.1	92	15	32	§28	4.75	+1.72	1.55	8	.0	12	17	8	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	66.7	−0.6	90	14	32	29	3.97	+1.21	.95	8	.0	14	9	14	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	64.6	+0.9	89	15	27	29	5.41	+2.26	1.08	27	.0	17	..	..	..	......	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	..	..	..	..	6.08	+2.78	1.49	18	.0	12	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	59.6	−2.2	85	15	21	29	5.32	+1.22	.97	27	.0	15	14	8	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	..	..	..	..	4.49	+1.09	1.55	26–27	.0	12	12	9	9	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	65.2	......	92	15	29	29	5.36	+1.88	1.92	11	.0	9	5	4	21	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	..	..	..	..	6.67	+3.97	2.73	18	.0	12	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	....	......	..	..	26	29	4.79	+1.08	.84	27	.0	13	15	4	11	se.	Lawrence Pritt
Thomas	Tucker	3,000	13	....	......	..	..	..	..	6.01	+2.01	1.42	11–12	.0	8	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	66.8	−1.2	94	15	26	29	4.14	+0.82	1.33	26–27	.0	11	9	14	7	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	65.0	+0.1	92	14	26	29	5.54	+2.55	1.24	8–9	.0	9	13	12	5	......	George P. Pfister
West Milford	Harrison	979	17	....	......	..	..	..	..	4.61	+1.34	1.20	27	.0	14	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	69.0	+1.7	94	15	30	29	4.67	+2.04	1.88	8–9	.0	13	1	27	2	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	65.4	−2.0	91	15	32	29	3.54	+0.62	1.34	27–28	.0	9	12	9	9	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	..	..	2.74	+0.21	1.02	26	.0	11	15	6	9	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	62.6	−1.5	87	9	23	29	3.89	+1.35	1.48	19	.0	10	15	11	4	......	L. A. Mauck
Bluefield	Mercer	2,558	47	64.9	−1.3	85	15	29	29	3.11	+0.79	....	....	.0	14	16	11	3	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	68.0	......	92	§14	32	29	2.82	......	.74	26–27	.0	11	7	15	8	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	60.1	......	82	§14	28	30	3.29	......	1.41	26–27	.0	12	12	12	6	sw.	U. S. Airway Station
Gary	McDowell	1,426	26	65.6	−2.9	91	15	30	29	2.48	−0.51	.93	27	.0	13	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	67.8	......	91	14	28	29	2.76	......	.99	27	.0	12	6	18	6	sw.	State Forest Nursery
Hamlin	Lincoln	641	1	66.2	......	92	14	29	29	2.56	......	.75	28	.0	9	18	3	9	......	James J. Jeffries
Hinton	Summers	1,431	45	67.9	−0.1	95	14	33	§29	3.20	+0.51	1.78	27–28	.0	12	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	70.1	+1.1	95	14	35	29	3.20	+0.75	1.33	26–27	.0	13	5	19	6	sw.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	......	..	..	..	..	3.75	+0.37	.91	11	.0	12	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	63.7	−0.6	86	14	25	29	3.63	+0.94	1.30	27	.0	14	11	11	8	......	J. K. Monroe
Logan	Logan	700	39	69.2	−1.2	94	14	35	§29	3.72	+0.57	.96	27–28	.0	11	2	20	8	......	Paul A. Simonds
London Locks	Kanawha	623	6	68.4	......	91	§14	36	29	3.93	......	1.54	11	.0	9	6	14	10	......	Lockmaster
Madison	Boone	675	21	67.8	+0.1	..	..	33	29	5.75	+2.29	1.36	§11	.0	12	11	10	9	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	64.6	+3.4	89	14	24	29	3.05	+0.04	1.60	27	.0	5	9	17	4	w.	Edward A. Moore
Oak Hill	Fayette	1,950	1	62.8	......	85	9	26	29	3.83	......	.94	11	.0	11	10	9	11	......	W. E. Holy
Pineville	Wyoming	1,350	2	66.4	......	93	14	30	29	2.80	......	1.04	26	.0	10	7	19	4	......	Charles Dameron
Point Pleasant	Mason	595	43	70.6	+4.7	98	13	34	29	3.27	+0.86	.91	19	.0	10	19	7	4	s.	E. C. Winger
Rainelle	Greenbrier	2,424	12	62.6	−0.3	86	14	23	29	3.76	+0.64	1.05	27	.0	15	11	8	11	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	67.1	−2.3	91	15	30	§28	3.28	+0.98	.70	27	.0	14	6	11	13	sw.	Lockmaster
Richwood	Nicholas	2,193	12	63.0	−1.7	88	15	26	§29	3.40	+0.29	.79	11	.0	12	..	..	..	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	67.6	......	93	§9	27	29	3.70	......	....	....	.0	10	10	13	7	......	Sattis Simmons
Ryan	Roane	700	39	65.4	+0.8	91	15	26	29	3.22	+0.22	1.24	16	.0	11	13	9	8	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	60.6	......	84	§14	19	29	3.33	......	1.52	27	.0	10	14	11	5	nw.	Supt., State Forest
Spencer	Roane	789	38	65.4	−1.1	90	§14	29	29	5.06	+2.18	1.34	16	.0	13	5	19	6	......	A. M. McKown
Summersville	Nicholas	1,900	6	63.3	......	90	15	29	29	4.22	......	1.50	27	.0	8	7	17	6	......	A. E. Dorsey
Sutton	Braxton	850	36	68.4	−0.3	92	§3	31	29	4.35	+1.00	1.52	27	.0	12	18	11	1	......	C. B. Eakle
Union	Monroe	2,200	38	63.6	−2.5	88	§14	25	29	4.52	+1.97	1.25	27	.0	9	6	0	24	......	C. B. King
Webster Springs	Webster	1,500	10	....	......	90	15	..	..	4.80	......	1.47	9–10	.0	10	13	10	7	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	63.0	−1.9	85	§15	26	§28	....	......	....	....	.0	..	..	..	..	......	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	68.9	−0.8	92	14	36	29	2.77	−0.22	1.11	27–28	.0	14	5	19	6	nw.	J. E. Dotson
Winfield Locks	Putnam	571	4	67.4	......	91	14	35	§29	2.86	......	.86	27–28	.0	11	14	6	10	sw.	Lockmaster
State averages and	extremes	....	....	**65.1**	**−1.3**	**98**	**§1**	**15**	**29**	**3.97**	**+1.07**	**2.73**	**18**	**0.0**	**11**	**12**	**10**	**8**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates. * Thornwood

Daily Precipitation for September 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac			T.						.30	.12	.21		.15			.30	.13	1.06	.05	.16				.07			1.06	.18				3.79
Brandywine	do							.21			.04							.03	.18	T.							.34	1.36					2.16
Brushy Run[2]	do							T.	.20	.41	.03							T.	.09		.03				T.			.89	.21				1.86
Harpers Ferry [2]	do							.02	.12	.93									.16									.87	1.63				3.73
Inwood	do							.25	.02	1.50									.11					T.			.10	1.95					3.93
Kearneysville	do							.10	T.	1.78						.13		.12			.02			T.			.28	1.98					4.41
Knobly Mountain[2]†	do								.11	.28		.25			T.		.36		1.08		.77				.40			1.02	.16				4.43
Martinsburg [2]	do								.20	2.55							T.		.18			T.			.01			1.05	.80				4.79
McNeill†	do							.12	.17	T.	T						T	.12	.22	.03	T.			T.			.81	.34					1.81
Petersburg	do							.10	.16	.12	.12							.19	.10	.12				.07			.16	.94					2.08
Piedmont	do							.10	.16	.28	.05	T.					.38	.89	.15	.07				T.			.18	.35	.90				3.51
Romney	do							.07		.35	.08							.30	.16	.08				.08			.20	.90					2.22
Spruce Knob [2]†	do		.04					.14	.08	.12	.24	T.		.18	.07			.03	.48	.13	.32	.18			.12			1.14	.42				3.69
Stony River Dam [2]†	do						.05	.03	.32	.05	.32			.03			.05	1.15		.14	.03							1.34	.11				3.62
Wardensville [2]	do								.03	.04		T.							.18	.04	.05				.01			.61	.47				1.43
Northern Division																																	
Aberdeen†	West Fork				T.			.04	.75	.39	.12			.09			.45	.66	.28	.13	.35			T.	.08		T.	1.70					5.04
Alpena	Cheat				T.				.40	.10	.96			.20			.12	.15	.44	.10	.10				.03			.90	.02				3.52
Belington [2]	Tygart					T.		T.	T.	1.60	.02	.28		.11			.10	.42	.20	T.	.41	.07			.06	.03		.69	.42				4.41
Benson †	West Fork				.05				.39	.34	.04			.14		1.20	.40	.24	.14	.10						.07		1.20					4.31
Bens Run	Ohio				.03				2.25	.59	.20			.14			.12	1.19	.92	.40					.06		.12	.20					6.22
Big Skin Creek†	West Fork								.85	.28	1.00					.35	.11	.15	.08	.11	.11	.02					.28	1.32	T.				4.66
Brownsville †	do							.84	.73	.30	.65						.30	.12	.14	.24	.24				.07			1.48					5.11
Buckhannon	Tygart				T.				.90	T.	.85	T.		.16			.18	.77	.05	.08	T.			T.	.22		.24	1.30					4.75
Cairo	Litl.Kanawha								.21	.83	.31	.03					.55	.50	.20	.20								1.01					3.84
Clarksburg [2]	West Fork					.08	T.		.07	.14	.48	.03		.05			.29	.03	1.51	.03	.13			T.	.04			.70	.50				4.08
Crawford	do						T.	T.	.36	.34	.28			.04		.33	.24	.21	.07	.07	.12			.01	.05		.38	1.14					3.64
Creston [2]	Litl.Kanawha					T.		T.	T	.42	.08	.55		.09	T.		.90	.80	1.25	.02	.47	.04				.09		.50	.50				5.71
Dailey [2]†	Tygart							.03	.01	.26	.40	.46		.04	.01		.53	.12	.38	.17	.07	.03			.09			.55	.40				3.55
Dam 10, Mon. R. [2]†	Monongahela				.04	.01			T.	.48				T.	T.		.18	T	1.95	.07	.25	.04				.05		.61	.60				4.28
Dam 13, O. R. [2]†	Ohio				.05					.83	.16	.48							.80		.36					.03		.55	.62				3.88
Dam 15, Mon. R. [2]†	Monongahela									.35	.08			.07	T.		.39	T.	1.58	T.	.53	T.						.78	.59				4.37
Dam 19, O. R. [2]†	Ohio				T.				.10	.74	.25	.14		T.	T.		.01	T.	.56	.04	.54				T.	.01		.71	.16				3.26
Dam 20, O. R. [2]†	do				T.					.54	.75	.55		.03	T.		T.	.24	.83	.38	.27	T.			T.	T.		.65	.27				4.51
Elizabeth (Dam 3)[2]	Litl.Kanawha								.80	.20	.22					.08	.95	.68	.04	.54	T.				.08			.86					4.45
Elk †	West Fork								1.10					.21		.20	.50	1.50	.70		.10				.08		.10	1.70					6.19
Elkins [1] ‡	Tygart							.06	.53	.22	.44	.01		.14			.15	.62	.07	.01	.09			.01	.01		.58	.57					3.51
Fairmont [2]	Monongahela					.03				.36	.06	.02	.06			.34	.05		1.36		.45	.09				.05		.91	.42				4.20
Glenville [2]	Litl.Kanawha					T.		T.	.24	1.11	.04	.28		.14			.94	.29	.31		.94	T.						.87	.22				5.38
Grafton	Tygart					.04				.39	.22	.38	.01	.02			.31	.43	.33	.08	.04				.04		*	1.46	.01				3.76
Hackers Creek †	West Fork						.05	.01	.60		.14	.01		.09			.20	.80	.21	.09	.01						.23	1.20					3.64
Hall [2]	Tygart					T.		T.	T.	1.67	.04	.11		.10			.92	.04	.29		.29	.06			T.	.10		.74	.59				4.95
Harrison Co. Airport[2]	West Fork				T.			T.	.19	.29	.39			.03		.03	.06	.77	.17	.14	.01				.04		.66	.83					3.61
Hastings	Ohio								.07	.96	.21	.47					1.04	.91	1.68	.62	1.21				.05		T.	1.40					8.62
Horner	West Fork				.20				.50		.75			.45			.25	.15			.70	.25					.75	1.25					5.25
Ireland	do																																....
Jane Lew	do								.50	.13				.09			.09	.78	.46	.12	.04							1.43	.04				3.68
Kumbrabow St. For.† [2]	Tygart							.09	.32	.05	.24	.17		.19					.93		.37							1.26					3.62
Lost Creek (near)	West Fork				.02				1.00	T.							.25	1.25	.02	.01	.17						.43	1.00					4.15
Mannington	Monongahela				.06				.38	.11	.01			.01		.03	.91	1.84	.55	.16	.38				.07		.22	1.13					5.86
Middlebourne	Middle Is. Creek								.08	1.12	.33	.18					.78		1.65	.24	.76	T.				T.		.68	.37				6.19
Midvale [2]†	Tygart									.49	.03	.73		.22			.44	.15	.38		.18	.16				.03		.79	.56				4.16
Morgantown	Monongahela																																....
Mt. Clare	West Fork				.15			.01	.63	.14	.03			.06	.35		.06	.90	.38	.16	.12						.39	1.00					4.38
New Cumberland	Ohio				.02				.13	.14			.09					.28	.06	.30					.04		.38	.46					1.90
New Martinsville	do				.02				1.55	.13	.34						.40	.40	.81	.04	.03				.05		.05	.93					4.75
Parkersburg[1]‡	do			.15				T.	.95	.20	.21	.01	.08	T.		T.	.02	.79	.35	.42	.01				.01		.12	.65					3.97
Parsons	Cheat							.02	.69	.32	.65	.13		.12		.50	.07	.89	.42	.04	.28			.08	.03		.07	1.08	.02				5.41
Philippi [2]	Tygart					T.		T.	T.	1.48	.01	.27		.10			.16	.88	1.49	.01	.30	.10			T.	T.		.68	.60				6.08
Pickens	do							.08	.26	.55	.48	.34		.25		.09	.25	.22	.58	.09	.53				.05		.58	.97					5.32
Roanoke	West Fork								.92	.19	1.13			.05			.14	.10	.04	.11	.17					.09	.15	1.40					4.49
Rockford †	do				.02			T.	.71	.10	.03			.09		.52	.11	.86	.31	.08	.07			T.	.06		.12	1.32					4.40
Rowlesburg [2]	Cheat					T.				.23	T.	1.92		T.			.09	T.	.96	.47	.25	T.			T.	.18		.80	.46				5.36
Saint Marys [2]	Ohio				.02				.07	1.39	.88			.08			.18		2.73	.18	.29				.05			.60	.20				6.67
Salem	West Fork				.02				.22	.40	.02			T.			.92	.95	.42	.40	.13			.07			.15	1.08					4.78
Shinnston	do				.06				.42		.10	.25		.50	T.	.74		.60									.05	.42					3.14
Terra Alta†	Cheat				.06				.75	.10	.53			.07		.20		.72	.79	.09	.04				.04		.56	.84					4.79
Thomas [2]	do									1.03		.84	.58						1.03	.08		.51				.67			1.27				6.01
Valley Chapel	West Fork				T.	T.			.76	.18	.04			.11			.56	.57	.29	.12	.10				.08		T.	1.33					4.14
Valley Head [2]	Tygart							.19	T.	.21	.05	.43	.04			T.	.05	.03	.41	.09	.09	.02						.60	.36				2.57
Vandalia †	West Fork								.74	.18	.92			.09		.21	.18	.16		.16	.11				.07		.09	1.49					4.40
Wellsburg (near)	Ohio				1.15				.99	.25	.39							.34	.72	T.	.23				.32			1.15					5.54
West Milford	West Fork				.04				.41	.28	.05			.10			.25	1.13	.66	.15	.10				.05		.15	1.20	.04				4.61
Weston [2]	do					.05		.18	.28	1.60		.19		.10			.12		.30		.28	.05				.07		.80	.65				4.67
Wheeling (Dam 12)[2]	Ohio				T.					.98	.30	.02		T.					.42	T.	.43				.03	.02		.59	.75				3.54
Southern Division																																	
Arbovale [2]	Greenbrier							.45	.28	T.	.18			.02			.02	.06	.15	.13	T.			.02			1.02	.41					2.74
Beckley	New	T.						T.	.04		.68			T.			.18	.22	.02	1.48	.21	.07			T.		.27	.72					3.89
Bluefield	New		.02						.23	.09	.20	.02			.02		T.	.13	.44	.47	.05	.01					.11	*	1.32				3.11
Camden-on-Gauley [2]	Gauley									.21	.51	.42		.05			.07		.19	.10	.13	.10				.03		.78	.30				2.89
Charleston (Airport)[4]	Gr. Kanawha				.05				.30		.36	.04		.03			.32	.61		.28	.09						.11	.63					2.82
Clay [2]	Elk								T.	.60	.05	1.02		.11			.37	.01	.65	.08	.61	.06						.70	.43				4.69
Flat Top[4]	New	.08	T.				.10	.01	.31		.09			T.			.07	.14	.05	.58	.24				T.		1.02	.60					3.29
Gary [2]	Big Sandy								.22	.24	.08	.27		.01			.10	.01	.06	.50	.04	.01						.93	.01				2.48
Greenbottom [2]†	Ohio				.20			T.	.06		.39	.05		.14				.30	.04	.39	.12				.02		.06	.99					2.76
Hinton[2]	New		.01					.08		.45	.02	.04	T.			T.	.18	.02	.06	.02	.54							1.22	.56				3.20
Hogsett[2]	Ohio									.10	.51	.10		.12				.02	.18	.02	.01	.01				.02		.85	.15				2.09
Huntington	do				.70			.01	.10	.02	.20	.07		.02				.28	.02	.20	.25						.16	1.17					3.20
Kayford [2]	Gr. Kanawha		.02						.02	.02		.91					.65	.04	.27	.10	.75	.10						.47	.40				3.75
Lewisburg	Greenbrier	T	.01		T.			.25	.11	.02	.35	.01	T.	.05		T.	.38	.13	.04	.12			.01				.85	1.30					3.63
Logan [2]	Guyandot		T.						T.	.58	T.	.57	T.	.01			.46	.44	.26	.20	.17	.07				T.		.53	.43				3.72
London Locks[2]†	Gr. Kanawha									.21		1.54		.02			.27	.02	.36	.24	.31	.08						.35	.53				3.93
Madison [2]	Coal								.08	.01		1.36			.12		.87		1.36	.53	.37	.06				.01		.88	.10				5.75
Marlinton	Greenbrier										.92						.06		.07								.40	1.60					3.05
Pineville	Gr. Kanawha									.29	.11	.20					.03	.15	.09	.76	.05						1.04	.08					2.80
Point Pleasant [2]	Ohio				T.					.52	.32	.23	T.	.02				T.	.20	.91	.12	.02			T.	T.		.80	.13				3.27
Princeton[2]	New		T.				.09			T.	.11	T.		T.			.71	.41	.22	.29	.11						.47	.91					3.32
Rainelle	Greenbrier		.02	.01	T.	T.		.11		.19	.99	.03		.07			.28	.05	.14	.21	.17						.40	1.05	.04				3.76
Ravenswood [2]	Ohio								.07	.35	.05	.65		.14			.20	.10	.46	.05	.11	.03				.04		.70	.33				3.28
Richwood [2]	Gauley							.15		.25	.11	.79		.09			.55	.02	.24		.42	.03						.39	.36				3.40

Continued on next page.

Daily Precipitation for September 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	.20	.05	.23	.03	....	.05	....	.36	1.24	.15	....	.21	.04	....	....	....	....	....	....	.66	....	....	....	....	3.22
Seneca State Forest†	Greenbrier	.01	....	....	....	....	....	.39	.03	....	.24	.01	....	....	....	....	....	.16	.21	.16	....	....	....	....	....	....	.60	1.52	....	....	....	....	3.33
Spencer [2]	Litl. Kanawha	....	....	....	T.	....	....	....	.02	.58	.07	1.18	....	....	....	....	1.34	.37	.22	.30	.17	.03	....	....	....	.03	....	.51	.24	....	....	....	5.06
Summersville [2]	Gauley	....	....	....	....	....	....	....	T.	.20	....	.80	....	.20	....	....	.35	T.	.42	.40	.35	....	....	....	....	T.	....	1.50	T.	....	....	....	4.22
Sutton	Elk	....	....	....	....	....	....	....	.21	.47	.90	....	....	.13	....	....	.18	.31	.12	.22	.06	....	....	....	.05	....	.18	1.52	T.	....	....	....	4.35
Thornwood [2]	Greenbrier	....	....	....	....	....	....	.37	.13	.15	.11	.04	....	.09	....	....	....	.57	.54	.41	.22	....	....	.08	....	....	.23	1.35	.04	....	....	....	4.33
Union [2]	New	....	....	....	.72	....	....	.11	....	.28	....	.28	....	....	....	....	.26	.55	.12	....	....	....	....	....	....	....	....	1.25	.95	....	....	....	4.52
Wayne [2]	Twelvepole	....	....	....	....	....	....	....	....	.08	.02	.93	....	....	....	....	....	.24	.31	....	.19	....	....	....	....	....	....	1.31	1.12	....	....	....	4.20
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Williamson [2]	Big Sandy	....	....	....	....	....	....	....	.12	.03	.13	.50	....	.02	.06	....	.10	.16	.20	.19	.14	.01	....	....	....	....	....	.86	.25	....	....	....	2.77
Winfield Locks [2]†	Gr. Kanawha	....	....	....	....	....	....	....	....	.39	.25	.33	....	..	....	....	.02	.07	.20	.20	.52	.02	....	....	....	....	....	.37	.49	....	....	....	2.86

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Incomplete.

Daily Temperatures for September 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	77	82	80	70	70	74	72	80	82	74	70	75	70	82	87	70	65	72	75	58	56	58	57	50	57	66	57	41	66	59	....	68.4
	Minimum	45	38	47	49	50	38	43	49	50	57	52	46	52	50	52	52	60	55	58	52	32	25	26	33	25	26	32	28	15	16	....	41.8
Beckley	Maximum	80	83	76	74	79	75	82	84	87	79	74	77	77	80	77	84	81	76	83	75	67	68	71	65	67	61	63	59	61	71	....	74.5
	Minimum	51	60	55	54	62	54	59	60	61	60	59	47	55	55	59	60	63	64	62	51	42	32	39	46	30	50	40	31	23	33	....	50.6
Bluefield	Maximum	72	78	81	80	81	*78*	*80*	82	83	82	76	*79*	*81*	84	85	83	79	77	81	81	64	66	70	68	65	64	67	*63*	56	68	....	75.1
	Minimum	56	62	60	60	62	60	*62*	*64*	65	65	62	52	*60*	*58*	62	64	66	64	67	59	44	39	44	51	38	54	*44*	34	29	34	....	54.7
Brandywine	Maximum	74	90	89	86	84	82	74	80	91	84	82	80	84	87	91	89	88	89	90	75	60	73	70	74	70	67	70	62	60	68	....	78.8
	Minimum	49	44	50	49	52	48	55	52	54	60	54	44	52	50	54	55	56	60	54	54	40	26	33	36	24	39	45	33	18	21	....	45.4
Buckhannon	Maximum	78	79	81	80	77	79	80	80	82	73	74	74	71	84	84	81	77	82	81	75	75	65	67	67	60	70	65	60	58	64	....	74.1
	Minimum	58	57	60	65	60	58	60	63	65	65	59	52	60	60	68	69	67	67	64	60	40	44	54	56	40	54	50	35	28	28	....	55.5
Cairo	Maximum	84	85	88	86	81	85	88	85	89	90	81	79	81	88	91	91	86	87	88	83	66	69	74	74	63	72	73	55	63	71	....	79.9
	Minimum	51	55	58	64	55	49	60	65	65	65	60	59	64	61	66	65	67	70	65	60	41	38	43	46	32	41	47	32	27	30	....	53.4
Charleston (Airport)	Maximum	84	88	87	73	83	88	90	88	91	82	82	83	82	92	92	88	77	87	89	77	68	72	74	67	67	75	63	57	67	74	....	79.6
	Minimum	54	61	63	61	64	56	65	66	67	67	65	60	65	65	68	66	69	69	67	58	44	43	52	48	37	46	46	33	32	37	....	56.5
Clarksburg [3]	Maximum	84	87	84	66	80	86	83	82	88	79	75	78	77	88	91	84	77	86	82	*65*	65	68	71	62	64	74	64	54	62	69	....	75.8
	Minimum	48	49	56	59	55	49	51	62	65	64	60	55	55	60	61	65	64	67	65	61	40	38	38	46	32	33	41	34	29	30	....	51.1
Elkins	Maximum	82	84	81	78	77	81	80	80	84	74	70	76	71	84	88	83	76	84	82	77	63	66	68	63	67	69	66	49	63	70	....	74.5
	Minimum	47	57	61	59	55	52	64	63	66	63	58	54	61	60	61	63	66	66	66	50	41	37	47	39	34	53	44	31	26	30	....	52.5
Fairmont [3]	Maximum	86	87	88	68	83	70	79	74	85	74	76	79	84	84	89	86	75	89	84	*80*	69	73	75	66	68	74	54	56	67	74	....	76.5
	Minimum	51	58	61	66	55	53	58	66	69	68	61	58	60	65	67	66	67	69	69	*59*	42	40	46	49	36	39	52	33	31	34	....	54.9
Flat Top	Maximum	72	76	78	78	77	66	77	80	81	73	70	72	75	82	82	80	75	74	79	67	60	63	68	61	61	58	61	45	53	66	....	70.3
	Minimum	51	55	56	56	55	58	57	63	63	62	50	45	60	59	59	61	63	64	64	45	36	34	37	38	33	48	36	30	30	28	....	49.9
Gary [3]	Maximum	81	84	85	85	84	78	85	87	88	80	79	80	78	89	91	85	81	79	85	65	67	72	75	66	71	66	52	54	65	73	....	77.0
	Minimum	51	52	61	61	61	60	62	62	62	64	64	56	56	62	63	63	65	64	65	65	45	42	43	44	42	42	50	34	30	31	....	54.1
Glenville	Maximum	89	92	91	90	84	90	91	88	92	88	83	83	81	92	94	89	88	89	88	78	72	74	75	74	70	75	66	60	67	74	....	82.2
	Minimum	53	60	63	64	61	55	63	65	67	66	65	59	64	64	67	66	70	69	68	59	43	43	53	47	37	43	48	34	31	35	....	56.1
Grafton	Maximum	85	84	84	88	84	84	84	78	80	90	76	75	76	88	92	92	84	87	87	81	66	71	72	68	65	72	70	53	63	72	....	78.4
	Minimum	42	52	53	55	52	45	54	58	60	59	56	49	57	55	57	59	59	62	60	54	35	31	41	39	27	36	43	28	22	27	....	47.6
Huntington	Maximum	86	89	89	83	82	87	90	90	92	84	83	87	85	95	93	88	84	89	92	88	71	70	78	72	69	74	65	60	66	77	....	81.9
	Minimum	57	62	63	66	59	58	67	70	70	71	65	61	69	68	67	69	71	71	71	59	46	43	50	52	39	48	48	36	35	39	....	58.3
Lewisburg	Maximum	74	79	82	83	82	73	77	82	85	76	78	77	76	86	85	84	78	83	84	75	70	71	69	66	69	61	65	54	60	69	....	75.1
	Minimum	49	63	56	60	51	68	60	61	63	62	61	51	57	59	60	63	65	64	63	57	41	39	35	44	35	50	44	33	25	30	....	52.3
Logan [3]	Maximum	87	90	91	87	87	89	91	92	92	84	85	86	82	94	91	90	79	85	90	*69*	70	74	78	68	67	73	51	57	64	76	....	80.6
	Minimum	58	60	60	62	66	63	65	67	68	68	68	62	62	65	68	66	67	69	69	63	49	46	46	50	43	44	50	37	35	35	....	57.7
Madison [3]	Maximum	83	88	88	83	84	85	87	89	90	84	..	..	..	..	..	..	..	..	..	*68*	..	..	..	..	..	75	..	..	..	72	....	*79.5*
	Minimum	54	56	62	64	64	60	63	64	65	66	67	60	61	66	66	64	*66*	66	68	59	48	47	45	48	41	43	47	36	33	35	....	56.1
Mannington	Maximum	80	82	83	76	76	81	81	79	86	79	73	77	79	85	87	83	75	84	81	76	64	66	69	61	62	73	67	53	60	69	....	74.9
	Minimum	48	54	58	63	51	49	58	63	66	64	59	59	64	56	62	64	65	68	65	58	38	38	43	45	31	41	47	32	27	30	....	52.2
Marlinton	Maximum	79	85	85	*82*	86	80	*85*	87	*85*	88	78	80	82	89	88	86	*80*	87	82	81	62	75	75	73	72	72	72	66	69	77	....	79.6
	Minimum	47	61	55	*50*	56	55	*56*	*61*	*56*	58	54	50	54	56	59	61	*54*	63	61	57	56	36	37	39	41	38	32	33	24	28	....	49.6
Martinsburg [3]	Maximum	98	80	93	86	86	80	70	86	95	84	80	82	85	88	94	91	83	87	93	77	70	75	66	81	68	68	75	70	60	65	....	80.5
	Minimum	54	55	60	63	60	55	56	64	65	67	64	62	62	53	54	64	64	65	67	67	46	40	40	46	38	39	45	44	33	33	....	54.2
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....
New Martinsville	Maximum	86	87	88	82	81	89	85	84	89	82	77	83	85	91	92	87	81	89	84	78	69	72	74	67	65	74	65	57	64	72	....	79.3
	Minimum	54	57	60	58	52	52	60	66	68	63	61	55	63	58	64	62	65	68	67	56	40	41	45	50	34	42	46	32	32	34	....	53.5
Parkersburg	Maximum	82	85	88	70	77	84	84	83	89	82	77	82	82	90	90	86	78	86	86	75	66	69	72	64	60	72	65	53	63	70	....	77.0
	Minimum	56	62	63	61	54	57	65	72	68	67	62	61	67	65	71	67	70	72	70	51	46	40	47	41	35	51	44	36	32	36	....	56.3
Pickens	Maximum	78	83	81	79	76	80	78	78	78	70	68	71	69	80	85	80	72	80	82	71	62	63	65	60	55	67	62	67	60	57	....	71.9
	Minimum	41	52	54	53	50	47	57	58	61	56	53	44	51	53	52	58	49	55	59	48	37	32	40	39	28	48	40	28	21	27	....	46.4
Point Pleasant	Maximum	86	92	90	90	82	89	89	91	92	87	83	87	98	94	95	90	88	91	89	91	68	75	76	77	66	74	71	58	63	74	....	83.2
	Minimum	55	61	62	65	57	57	65	71	71	71	63	64	68	66	70	67	71	77	70	62	46	44	46	48	37	48	49	37	34	38	....	58.0
Rainelle	Maximum	74	77	83	79	81	80	79	84	86	86	79	79	78	86	85	83	77	82	84	79	60	69	71	64	66	64	50	49	66	71	....	75.0
	Minimum	46	61	54	55	59	51	60	59	59	58	59	50	53	60	58	60	62	63	61	52	43	35	40	40	31	49	42	32	23	27	....	50.1
Spencer [3]	Maximum	83	86	86	72	80	86	87	86	89	79	77	81	78	90	90	86	76	86	84	63	67	70	72	63	69	72	51	55	59	71	....	76.5
	Minimum	50	60	60	62	59	52	57	65	68	68	61	58	60	61	65	65	66	69	66	60	41	40	50	52	34	41	47	32	29	32	....	54.3
Sutton	Maximum	84	91	92	92	87	84	85	90	92	92	82	82	82	92	92	92	90	88	88	86	80	80	70	67	68	68	67	60	67	73	....	82.1
	Minimum	51	56	62	60	62	58	61	63	64	65	62	62	57	61	63	64	69	65	63	59	46	40	51	47	36	44	47	35	31	34	....	54.6
Wardensville [3]	Maximum	79	86	86	83	82	73	69	86	89	81	76	76	80	87	90	88	77	87	89	71	67	73	68	73	67	72	74	54	57	65	....	76 8
	Minimum	48	51	60	57	61	48	56	61	64	61	58	52	57	53	58	60	60	66	60	66	39	33	42	41	30	46	45	40	24	27	....	50.8
Weston	Maximum	85	90	90	86	88	88	86	85	90	85	79	80	75	90	94	90	80	90	84	80	69	72	75	72	69	76	72	65	65	75	....	80.8
	Minimum	52	60	61	62	62	52	61	67	68	78	61	58	65	61	66	67	68	71	68	64	41	40	52	56	36	52	64	36	30	34	....	57.1
Wheeling [3]	Maximum	84	83	86	72	79	85	83	80	87	80	72	82	82	89	91	87	76	86	82	74	68	69	72	60	64	76	57	55	62	70	....	76.4
	Minimum	54	51	64	64	53	53	58	61	72	69	61	57	57	57	59	68	67	68	72	61	45	43	43	47	36	37	49	37	32	33	....	54.3
Williamson [3]	Maximum	80	85	87	84	84	82	84	87	91	85	82	83	80	92	87	85	79	85	90	*70*	70	73	79	67	70	78	52	58	66	77	....	79.1
	Minimum	57	58	60	67	67	64	63	65	69	69	67	63	64	68	70	69	70	69	70	64	49	48	48	51	44	45	51	39	36	37	....	58.7

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.132	.113	.111	.102	.101	.224	.080	.061	.042	.137	.069	.080	.078	.020	.010	.150	.186	.046	.108	.060	.122	.053	.074	.120	.040	.056	.009	.105	.068	.046	....	2.603
	Wind movement	15	7	10	21	1	8	1	6	4	6	28	21	5	4	21	16	14	5	4	35	21	14	15	8	25	5	10	41	21	5	....	397
Wardensville	Evaporation	.152	.159	.161	.178	.160	.182	.143	.057	.006	.189	.057	.138	.123	.077	.154	.085	.231	.022	.165	.138	.140	.253	.152	.038	.177	.127	.015	.091	.156	.115	....	3.841
	Wind movement	4	6	0	4	11	2	4	9	1	9	0	10	1	3	4	9	3	0	4	6	26	14	6	2	23	4	32	32	38	6	....	273

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 10-27-42—925)

25
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

40

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., OCTOBER 1942 No. 10

GENERAL SUMMARY

The mean temperature for the State averaged 1.1° above the normal with all but a very few widely-scattered stations reporting plus departures. The only cold period was from the 24th to the 29th. On the 27th and 28th hard freezes were experienced at all stations except in the extreme southern part of the State.

The northern and eastern parts of the State were much above normal in precipitation. It was the third wettest October of record for the northeastern panhandle division. The remainder of the State averaged from about normal in the central part to less than fifty percent of normal in the western and southwestern parts. A trace of snowfall was observed at 58 stations on the 26th.

The noteworthy feature of the month was the heavy rain in the northeastern panhandle division (Potomac River Basin) on the 13–16th, when an average of about six inches fell in approximately 72 hours. The greatest amount for the storm was 10.08 inches at Inwood and the least, 2.10 inches at Spruce Knob. These rains quickly brought the rivers above flood stage and caused several hundred families to evacuate their homes at Ridgely and Keyser. Considerable damage was done to dwellings and business places by the silt deposits. Farm crops, such as shocked corn and stacked hay, were washed away. Apple orchards suffered large losses due to the heavy dropping of the fruit during the storms.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 73 stations, was 55.8°, or 1.1° above the normal. The mean for the northeastern panhandle division was 55.1°; for the northern division, 55.7°; and for the southern division, 56.1°. The highest monthly mean was 61.2° at Huntington and the lowest, 44.6° at Bayard. The highest temperature was 87° at Huntington, Logan, and Winfield Locks on the 3d, and the lowest, 11° at Thornwood (Fire Weather Station) on the 28th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 130 stations, was 4.04 inches, or 1.18 inches above normal. In the northeastern panhandle division the average was 6.93 inches; in the northern division, 3.73 inches; and in the southern division, 3.08 inches. The greatest monthly precipitation was 11.81 inches at Inwood, and the least, 1.02 inches at Hogsett (Dam 26). The greatest amount in any 24 consecutive hours was 4.71 inches at Piedmont on the 15th. A trace of snowfall was reported from 58 stations during the month. The average number of days with .01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	13	28	20	1	12	3	21	23	21	19	23	11	2	2	10	12	17	4	28	11	10	8	1	15	1	..	..	2	3	2	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	15	4	..	..	..
Gales	..	..	..	..	1	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	4	..	..	..	..	..	2	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	..	1	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	1	1	6	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	27	1	..	..	..	..	..	2	..	..	1

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.04	30.30	13	29.47	22	6.8	22	sw.	30	90	54	71	53
Columbus, Ohio	30.04	30.34	13	29.46	22	8.8	37	s.	30	83	54	70	58
Elkins	30.08	30.39	13	29.50	22	5.2	27	w.	5	93	56	78	49
Huntington Airp't	30.07	30.31	8	29.53	22	......	27	w.	5	91	51	78	....
Parkersburg	30.05	30.35	13	29.51	22	4.8	20	nw.	26	82	52	70	52
Pittsburgh, Pa	30.05	30.44	13	29.50	22	9.9	31	nw.	5	83	55	67	48

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	....	7	..	..	..
1892	52.6	89	24	.21	1.05	.48	.83	....	4	..	..	..
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	.40	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	7.30	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
1942	55.8	87	11	6.93	3.73	3.08	4.04	T.	10	13	8	10
Period	54.7	102	8	2.75	3.00	2.72	2.86	0.3	8	16	7	8

Climatological Data for October 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	44.6	−4.6	71	30	15	§28	4.33	+1.07	1.35	16	0.0	14	19	4	8	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	57.5	......	80	§7	25	§26	7.50	......	2.50	15	...	..	19	2	10	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	52.2	−1.1	81	9	15	28	4.88	+2.51	2.25	15	.0	7	20	0	11	u.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	..	..	7.60	+4.34	2.00	15	.0	13	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	56.7	......	81	9	21	28	11.81	......	4.25	15	.0	9	12	8	11	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	57.4	+2.5	84	9	25	28	9.12	+5.86	3.80	15	.0	10	12	7	12	e.	University Exper. Station
Martinsburg	Berkeley	435	50	57.3	+2.6	85	9	27	28	10.38	+7.31	4.15	15	.0	11	19	8	4	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	55.2	+1.1	84	8	17	28	5.92	+3.61	2.79	15	.0	6	12	7	12	w.	R. E. Saville
Piedmont	Mineral	1,053	29	55.0	+1.6	80	§9	23	28	8.10	+5.45	4.71	15	.0	10	10	10	11	se.	C. A. Suter, Jr.
Romney	Hampshire	824	44	55.7	+0.8	82	9	19	28	7.40	+4.85	3.00	14	.0	9	21	3	7	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	......	..	..	..	..	5.70	+2.50	3.00	16	.0	7	8	5	18	w.	Fred Becker
Wardensville	Hardy	1,200	21	55.2	+2.6	80	§8	19	28	9.26	+6.10	3.13	15	.0	11	12	9	10	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	..	..	..	..	5.46	+1.92	1.72	14	T.	10	12	8	11	w.	L. Esle Bond
Alpena	Randolph	2,571	11	51.3	+1.9	77	3	15	28	3.40	+0.66	.67	26	.0	12	11	11	9	w.	Christian Hertig
Benson	Harrison	1,080	18	56.2	+3.3	83	3	19	28	3.54	−0.02	.65	§14	T.	12	13	8	10	......	R. D. Marts
Beus Run	Pleasants	652	40	58.0	+1.4	83	3	24	28	2.62	−0.40	.70	30	T.	11	19	5	7	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	52.7	......	76	9	16	28	4.68	......	1.52	15	T.	12	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	57.6	+3.0	82	8	20	28	3.58	+0.16	.65	14	.0	11	13	8	10	......	M. D. Hawkins
Buckhannon	Upshur	1,411	45	55.7	+1.9	75	3	24	28	4.77	+1.63	2.01	14	T.	9	16	7	8	......	H. A. Darnall
Cairo	Ritchie	680	41	57.6	+1.8	84	30	21	28	3.11	+0.19	.64	21	.0	10	17	6	8	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	53.8	+0.4	80	3	20	28	3.81	+0.68	1.47	15	T.	12	14	8	9	se.	Clarksburg Water Board
Crestou	Wirt	640	40	58.2	+2.5	85	3	22	§27	2.10	−1.05	1.00	14	T.	10	10	13	8	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	..	..	..	..	4.03	+0.86	1.57	15	....	10	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	..	..	..	..	1.81	−0.88	.38	16	....	7	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	..	..	..	..	3.65	+0.41	1.60	15	T.	9	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	..	..	..	..	1.48	−1.17	.51	14	....	10	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	..	..	..	..	1.63	−1.12	.65	22	....	8	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	..	..	..	..	2.62	−0.30	.80	22	....	9	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	54.6	+2.3	80	3	21	28	3.45	+0.54	1.14	14	T.	15	7	5	19	se.	U. S. Weather Bureau
Fairmont	Mariou	883	36	56.5	+1.4	82	9	23	28	3.70	+0.59	1.50	15	T.	11	14	6	11	sw.	J. C. Robinson
Glenville	Gilmer	738	48	59.8	+3.6	86	11	23	28	2.56	−0.65	.60	21–22	T.	11	11	10	10	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	54.2	−1.0	81	11	14	28	4.40	+1.44	1.79	15	T.	12	18	4	9	......	L. W. Clayton
Grantsville	Calhoun	900	1	60.2	......	82	3	20	28	2.72	......	1.06	31	T.	8	3	21	7	n.	James Roberts
Hastings	Wetzel	809	7	....	......	..	..	..	..	3.36	......	.75	14	T.	11	9	14	8	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	..	..	..	..	3.97	+0.65	.88	14	T.	12	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	56.4	+2.2	84	3	19	28	3.53	+0.54	1.00	16	T.	8	16	8	7	n.	Mrs. Gladys Edmonds
Mannington	Marion	974	39	55.2	+1.6	78	§3	18	28	3.66	+0.49	1.09	14	T.	14	15	6	10	w.	James A. Morgan
Middlebourne	Tyler	750	1	56.6	......	81	§3	21	28	2.12	......	.68	22	T.	9	15	4	12	sw	L. A. Crumrine
Morgantown	Monongalia	1,300	49	....	......	..	..	..	..	....	......	....	....	....	..	..	..	..	......	State Horticultural Farm
New Cumberland	Hancock	671	44	56.4	+2.4	83	8	21	28	4.52	+1.80	1.05	31	....	10	13	0	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	57.1	+0.3	82	§2	19	28	2.99	−0.13	.79	14	T.	11	17	7	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	58.4	+2.3	82	8	28	28	2.66	+0.18	1.18	31	T.	10	10	8	13	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	55.2	+3.7	80	3	19	28	2.71	−0.56	.58	15	T.	13	..	..	..	......	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	..	..	..	..	4.11	+0.97	1.90	15	T.	13	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	48.6	−3.1	78	3	17	27	5.09	+1.05	1.56	14	T.	13	12	10	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	..	..	..	..	4.38	+0.96	.93	14	T.	12	12	8	11	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	55.8	......	81	3	21	28	3.98	−0.37	1.05	15	T.	11	13	0	18	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	..	..	..	..	2.09	−0.77	.48	21	....	9	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	51.2	+2.2	79	§2	18	29	4.30	+0.41	.99	14	T.	14	12	9	10	se.	Lawrence Pritt
Thomas	Tucker	3,000	13	....	......	..	..	..	..	4.82	+0.58	1.79	16	....	8	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	57.7	+2.3	86	4	20	28	3.05	−0.36	.68	21–22	T.	10	11	6	14	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	54.6	+1.1	83	§3	18	28	3.59	+0.87	.90	16	T.	9	16	7	8	......	George P. Pfister
West Milford	Harrison	979	17	....	......	..	..	..	..	3.41	−0.81	1.15	14	....	12	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	59.4	+3.9	85	3	25	27	3.64	+0.83	.65	15	....	14	6	25	0	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	56.0	+1.1	81	§2	25	28	2.97	+0.24	.92	14	T.	9	14	4	13	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	..	..	2.78	+0.14	1.22	14	.0	8	14	6	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	54.7	+0.3	79	3	20	27	4.51	+1.53	1.17	5	T.	11	11	10	10	......	L. A. Mauck
Bluefield	Mercer	2,558	47	55.7	0.0	74	§1	25	27	3.40	+0.63	1.25	5	...	12	12	9	10	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	58.4	......	84	3	24	27	2.58	......	.75	31	T.	9	9	10	12	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	51.9	......	78	3	20	27	5.54	......	1.96	4–5	.0	13	14	9	8	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	56.4	+0.8	83	3	23	§27	3.12	+0.22	.77	6	.0	9	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	58.2	......	82	§2	27	27	2.20	......	1.00	31	T.	10	6	13	12	sw.	State Forest Nursery
Hamlin	Lincoln	641	1	56.0	......	84	4	20	27	1.17	......	.70	23	T.	5	14	5	12	......	James J. Jeffries
Hinton	Summers	1,431	45	57.8	+0.8	84	§2	25	28	4.40	+1.57	1.54	14	....	10	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	61.2	+4.8	87	3	30	27	2.01	−0.51	1.11	31–1	T.	10	8	11	12	w.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	......	..	..	..	..	2.24	−1.08	.78	26	T.	11	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	42	....	......	..	..	..	..	....	......	....	....	....	..	..	..	..	......	J. K. Monroe
Logan	Logan	700	39	59.2	−0.9	87	3	26	§27	2.41	−0.64	.71	5–6	T.	9	4	11	16	......	Paul A. Simonds
London Locks	Kanawha	623	6	58.0	......	79	§2	26	§27	2.54	......	.63	14	....	13	8	13	10	......	Lockmaster
Madison	Boone	675	21	^{d}56.9	+1.3	..	..	22	27	1.59	−1.04	.52	23	....	5	20	3	8	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	56.0	+6.4	80	§2	18	28	4.29	+1.30	2.05	14	....	8	11	7	13	s.	Edward A. Moore
Oak Hill	Fayette	1,950	1	54.6	......	76	§2	23	27	4.03	......	1.05	14	....	12	..	..	..	......	W. E. Holy
Pineville	Wyoming	1,350	2	57.8	......	85	2	23	28	3.56	......	1.74	5	....	6	12	13	6	......	Charles Dameron
Point Pleasant	Mason	595	43	60.1	+2.9	84	8	30	27	1.12	−1.69	.60	22	T.	7	18	6	7	......	E. C. Winger
Rainelle	Greenbrier	2,424	12	53.2	+2.4	78	2	22	27	4.05	+1.41	1.15	14	T.	16	12	5	14	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	58.5	+2.2	82	§4	25	28	1.10	−1.69	.34	22	.0	8	13	1	17	sw.	Lockmaster
Richwood	Nicholas	2,193	12	53.4	+0.7	80	2	20	27	4.20	+1.35	1.20	14	....	10	15	2	14	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	57.8	.....	83	§3	24	28	....	......	....	....	T.	..	10	8	13	......	Sattis Simmons
Ryan	Roane	700	39	55.2	+2.5	84	3	18	27	2.52	−0.64	.78	14	T.	10	11	10	10	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	51.6	......	75	§7	15	28	3.28	......	.85	14	....	9	12	6	13	......	Supt., State Forest
Spencer	Roane	789	38	56.8	+1.9	83	3	24	28	2.18	−0.98	....	....	T.	10	15	6	10	nw.	A. M. McKown
Summersville	Nicholas	1,900	6	54.2	......	81	2	22	27	4.42	......	1.46	26	T.	12	7	12	12	......	A. E. Dorsey
Sutton	Braxton	850	36	58.2	+1.5	82	§3	23	28	3.88	+0.89	1.00	26	....	13	17	12	2	......	C. B. Eakle
Union	Monroe	2,200	38	53.5	−0.9	80	2	24	§27	4.08	+1.35	1.02	14	....	8	9	0	22	......	C. B. King
Webster Springs	Webster	1,500	10	57.8	......	81	4	24	27	3.86	......	1.30	14	T.	10	13	12	6	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	53.7	+1.3	78	10	21	28	4.05	+1.24	1.15	6	....	9	16	5	10	......	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	58.6	+0.8	81	§3	27	27	2.90	+0.11	.85	5	T.	8	11	7	13	se.	J. E. Dotson
Winfield Locks	Putnam	571	4	58.6	......	87	3	31	§27	1.12	......	.40	22	T.	8	14	5	12	sw.	Lockmaster
State averages and	extremes	....	....	55.8	+1.1	87	3	11	28	4.04	+1.18	4.71	15	T.	10	13	8	10	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ^{a} one day, ^{b} two days etc. § Also on other dates.

Daily Precipitation for October 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac					.30	.25							.04	.45	.97	1.35	.05	.03			.14	.11	.05			.32	.20	.07				4.33
Brandywine	do			T.		.08								.20	1.50	2.25	.15					T.		.27			.43						4.88
Brushy Run [2]	do						.02							T.	.53	1.82	1.63					.07		.08			.56	.03					4.74
Harpers Ferry [2]	do					.08	.47							.03	1.73	2.00	1.47	.48				.03	.04	.12	.10		.50	.55					7.60
Inwood	do				T.	.13								.50	4.00	4.25	1.25	.08				.10		.15			1.35						11.81
Kearneysville	do				T.	.10	.09							.22	1.76	3.80	1.41	.19				.03		.25			1.27						9.12
Knobly Mountain [2]†	do					T.									1.63	3.40	2.43					.03	.10				.28	.02					7.89
Martinsburg [2]	do					.05	.18								1.50	4.15	2.75	.20				.02	T.	.28	.05		.90	.30					10.38
McNeill †	do				T.	.18								T.	2.00	2.79	.25					.03					.67						5.92
Petersburg	do													.04	.90	3.15	.57						.01	.05			.44						5.16
Piedmont	do				.11	T.	.04							.06	1.93	4.71	.86	.03				.05		.05			.26						8.10
Romney	do				.20	.10	.25							.20	3.00	2.65	.20					.20					.60						7.40
Spruce Knob [2]†	do				.45	.17	.13							.42	.50	.58	.49	.11	T.			.04	.19	.22			.48	.07					3.85
Stony River Dam [2]†	do					.40	.14									1.98	3.00					.05		.07			.06						5.70
Wardensville [2]	do					.03	.32							.02	2.63	3.13	1.94	.03				.07		.23			.71	.15					9.26
Northern Division																																	
Aberdeen†	West Fork				T.	.76	.27						T.	.03	1.72	.88	.16	T.	T.			.49	.12	.24			.79						5.46
Alpena	Cheat				.13	.55	.39						.04	.04	.38	.22	.60		.10			.15		.13		T.	.67						3.40
Belington [2]	Tygart			T.	.03	.18	.47							.07	.09	1.75	.23	.03	.02	T.		.06	.29	.13	T.		.54	.23					4.12
Benson †	West Fork				.03	.04	.25							.02	.65	.55	.13					.65	.40	.35			.45	.02					3.54
Bens Run	Ohio				.11	.19							T.	.05	.37	.15	.12					.33	T.	.25		.05	.30				.70		2.62
Big Skin Creek†	West Fork				.16	.85	.20						.09	.10	1.06	.18	.10	.05				.67	.26	.32			.75						4.79
Brownsville †	do				.08	.30	.35							.11	.65	.48	.10					.48	.17	.28			.58						3.58
Buckhannon	Tygart				.18	.23	.25						.13		2.01	.37	.15					.40					1.05					T.	4.77
Cairo	Litl.Kanawha				.03	.02	.38								.49	.09						.64	.32	.40			.34					.40	3.11
Clarksburg [2]	West Fork				T.	.10	.05							.03	.84	1.47	.12	.02	T.				.50	.25	.01		.30	.12					3.81
Crawford	do				.16	.46	.11						.06	.10	.98	.19	.16		.10			.28	.12				1.04						3.76
Creston [2]	Litl.Kanawha					.05	.10							.06	1.00	.05	.01						.07	.28			.01	.47			T.		2.10
Dailey [2]†	Tygart					.28	.23							.14	.04	1.31	.15	.02	.03	T.		T.	.15	.09	T.		.60	.12					3.16
Dam 10, Mon. R. [2]†	Monongahela					.03	.06							T.	.33	1.57	.75	.07					.34	.22			.45	.21					4.03
Dam 13, O. R. [2]†	Ohio					T.	T.								.31	.31	.38						.30	.20			.07	.24					1.81
Dam 15, Mon. R. [2]†	Monongahela					.05	.10							T.	.52	1.60	.26	T.				T.	.24	.25			.35	.28					3.65
Dam 19, O. R. [2]†	Ohio		T.		T.	.05	.03								.51	.06	.10					.01	.30	.15			.24	.03					1.48
Dam 20, O. R. [2]†	do				T	.08	.10								.30		.02						.65	.18			.20	.10				T.	1.63
Elizabeth (Dam 3) [2]	Litl.Kanawha					.10	.07								.04	.58	.05						.80	.18	.42			.38					2.62
Elk†	West Fork					T.	T.						.30		2.20	.90							.70				1.10						5.20
Elkins [1] ‡	Tygart				.14	.50	.03						.07	T.	1.14	.18	.04	.01	.03			.18	.01	.05		.20	.55					.32	3.45
Fairmont [2]	Monongahela				.03	.09	.11								.75	1.50	.35	.02				.02	.30				.45	.08					3.70
Glenville [2]	Litl.Kanawha					.11	.18							.12	.27	.31	.12	T.	T.			.04	.56	.48			.25	.12					2.56
Grafton	Tygart					.13	.08							.01	.58	1.79	.22	.01				.42	.25	.19	.01		.71						4.40
Hackers Creek †	West Fork						.12							.10	.90	.50	.14					.33	.51	.30			.41					.29	3.60
Hall [2]	Tygart					.24	.55							.08	.38	2.07	.16	.04	.02			.09	.22	.24			.57	.18					4.84
Harrison Co. Airport [2]	West Fork		T.		.08	.04	.01						.02	.15	2.46	.18	.09	T.				.58	.07	.20		.19	.47					.67	5.21
Hastings	Ohio				.10		.09								.75	.66	.10	.04				.40	.38	.28			.49					.07	3.36
Horner	West Fork				T.	1.07	.35								1.20	.20	.28		.35			.75				.35	.75						5.30
Ireland	do																	.01	.12			.32	.13	.26			.93						‖‖
Jane Lew	do			.02	.07	.21	.21							.01	.88	.60	.10		T.			.65	.45	.25			.52						3.97
Kumbrabow St. For.† [2]	Tygart				.04	.70	.19							.10	1.20	.98	.04		.21			.14	.07	.25			.95						4.87
Lost Creek (near)	West Fork				.09	T.							T.	.18		.70	1.00					.10	T.	.80			.46					.20	3.53
Mannington	Monongahela				.06	.02	.10							.01	1.09	.86	.13		.01			.46	.14	.22		.05	.42					.09	3.66
Middlebourne	Middle Is. Creek				T.	.07	.05								.50	.20	.02						.68	.27			.20	.13					2.12
Midvale [2]†	Tygart				.03	.43	.60							.17	.32	1.98	.12	.06	.15			.18	.21	.24	.03		.61	.33					5.46
Morgantown	Monongahela																																....
Mt. Clare	West Fork				.11										1.81	.67	.08					.28	.73			.01	.57				.07	.98	5.31
New Cumberland	Ohio				.04	.02									.80	.49	.50	.02				.99	.11				.50					1.05	4.52
New Martinsville	do				.10	.10									.79	.07	.03					.69	.05	.20		.02	.35					.59	2.99
Parkersburg [1]‡	do				.02	.06							T.	T.	.53	.06		T.				.43	.11	.06		.03	.18			T.	T.	1.18	2.66
Parsons	Cheat		.01		.06	.30	.25							.04	.36	.58	.20	T.	.02			.23	.04	.08			.54						2.71
Philippi [2]	Tygart				T.	.09	.46							.05	.26	1.90	.18	.02	.03			.12	.31	.17			.40	.12					4.11
Pickens	do				.67	.25	.14						.08		1.56	.08	.10		.23			.48	.15	.29		.08	.98						5.09
Roanoke	West Fork					.54	.42						.10	.11	.93	.32	.13		.09	T.		.63	.15	.23			.73						4.38
Rockford †	do		.02		.11	.05	.11							.04	1.80	.72		T.				.54	.37	.24		.02	.59					T.	4.61
Rowlesburg [2]	Cheat				T.	.31	.33								.23	1.05	.78	.22	T.			.06	.32	.07	T.		.38	.23					3.98
Saint Marys [2]	Ohio					.08	.10								.38	.10	.07					.48		.45			.40	.03					2.09
Salem	West Fork				.07	.12	.03							T	.82	.32	.08					.32	.18	.30		T.	.33					.12	2.69
Shinnston	do				.30	.25	.45							.20	1.10	1.45	.20					.30	.60				.05					.10	5.00
Terra Alta†‡	Cheat				.39	.27	.19							.19	.99	.79	.21	.07	.02			.28	.11	.10		.02	.67						4.30
Thomas [2]	do					.45	.58									1.05	1.79					.24	.20				.40	.11					4.82
Valley Chapel	West Fork				.04	.06	.42								.62	.43	.14	T.				.22	.46	.31			.35						3.05
Valley Head [2]	Tygart					.21	.28							.06	.27	1.53	.10	T.		.03		.25	.18	T.		.76	.19						3.86
Vandalia †	West Fork				.16	.29	.36						.10		.96	.20	.12					.36	.13	.27			.70						3.65
Wellsburg (near)	Ohio				T.		.04								.87	.39	.90	T.				.41	.18	.11			.33					.36	3.59
West Milford	West Fork				.08	.10		.11						.05	1.15	.58	.10	.02				.22	.21	.27			.52						3.41
Weston [2]	do					.19	.28							.10	.53	.65	.12	.05	.04			.08	.62	.36	.03		.27	.32					3.64
Wheeling (Dam 12) [2]	Ohio				T.	.02	.08								.92	.61	.39					T.	.39	.19			.09	.28					2.97
Southern Division																																	
Arbovale [2]	Greenbrier					.20							.04	T.	1.22	.03						*	.20	.32			.77						2.78
Beckley	New				.04	1.17	.20						.11	T.	.80	.07	.09					.23	.18	.68			.94						4.51
Bluefield	New				*	1.25	.04						.08	.07	.14	.09	.03					.10	.23	.32			1.05						3.40
Camden-on-Gauley [2]	Gauley					.25	.26							.10	.93	.32	.05	.02	.05			.04	.24	.29			1.13	.05					3.73
Charleston (Airport) [4]	Gr. Kanawha				.14	.06							.02		.64							.42	.12	.23			.20					.75	2.58
Clay [2]	Elk					.34	.45							.04	.61	.16	.05	.01	T.			.05	.20	.28			.48	.24					2.91
Flat Top [4]	New				.19	1.89							.07	.14	.90	.01	T.		.02		.10	.58		.30		.47	.35					.52	5.54
Gary [2]	Big Sandy					.45	.77							.02	.12	.01						.03	.47	.64			.61						3.12
Greenbottom [2]†	Ohio				.08	.04							T.	.04	.04							.24	.17	.26			.31			.02		1.00	2.20
Hinton [2]	New					.46	.96							.02	1.54	.06	.03					.01	.30	.31			.71						4.40
Hogsett [2]	Ohio					T.	.02									T.						.02	.45	.23			.24	.06					1.02
Huntington	do				.10	.16	.02						T.	.09	.05							.22	.10	.22			.26					.79	2.01
Kayford [2]	Gr. Kanawha					.50	.07							.04	.04	.01	.04					.02	.29	.43			.78	.02					2.24
Lewisburg	Greenbrier																																....
Logan [2]	Guyandot					.56	.15							.02	.42	T.			T.			.06	.59	.37			.17	.07			T.		2.41
London Locks [2]†	Gr. Kanawha					.10	.26							.09	.63	.03	.03		.01			.07	.26	.36	.02		.32	.36					2.54
Madison [2]	Coal					.31	.16									.30								.52			.30						1.59
Marlinton	Greenbrier					.08							.33	.30	2.05	.13						.12	.18				1.10						4.29
Pineville	Gr. Kanawha					1.74	.37	T.										.04	T.			.09	.70	T.			.62	T.					3.56
Point Pleasant [2]	Ohio					.05	.02							T.	T.							.02	.60	.21		T.	.21			T.	T.	.01	1.12
Princeton [2]	New					.40	1.10						.10	.02	.48	.04	.02	T.	T.		T.	.12	.52	.10			.95	.17					4.02
Rainelle	Greenbrier				.02	.78	.12			T.	.05	.01	.15	.01	1.15	.02	.01	T.	.04			.11	.13	.45			.98	.02					4.05
Ravenswood [2]	Ohio					.08	.05							T.	.18	T.	T.					.03	.34	.20			.18	.04			T.		1.10
Richwood [2]	Gauley					.47	.48						.91	.07	1.20	.47	.10		.07				.33				.10						4.20

Continued on next page.

Daily Precipitation for October 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	....	....	.04	.05	....	....	....	....	....	....	....	.02	.78	.05	....	....	....	....	....	.36	.13	.26	....	....	.28	....	....	....	....	.55	2.52
Seneca State Forest†	Greenbrier	....	....	....	....	.38	.03	....	....	....	....	....	....	.11	.85	.65	....	....	....	....	....	....	.25	.25	....	....	.75	.01	....	....	....	....	3.28
Spencer[2]	Litl.Kanawha	....	....	....	....	.08	.10	....	....	....	....	....	....	*	.97	.04	.03	....	....	....	....	....	.45	.29	....	....	.19	.03	....	....	....	....	2.18
Summersvillc[2]	Gauley	....	....	....	....	.15	.60	....	....	....	....	....	.25	.18	.80	.10	.10	.03	.05	....	....	T.	.34	.36	....	....	1.46	....	....	....	....	....	4.42
Sutton	Elk	....	....	....	.20	.60	.10	....	....	....	....	....	.07	.08	.43	.15	.07	....	.15	....	....	.65	.07	.31	....	....	1.00	....	....	....	....	....	3.88
Thoruwood[2]	Greenbrier	....	....	....	.07	.25	.08	....	....	....	....	....	....	.34	.76	.69	.09	....	....	....	....	.44	.08	.27	....	....	.94	....	....	....	....	....	4.01
Union[2]	New	....	....	....	....	.80	.82	....	....	....	....	....	....	....	1.02	.31	.05	....	....	....	....	....	.15	.23	....	....	.70	....	....	....	....	....	4.08
Wayne[2]	Twelvepole	....	....	....	....	.13	.24	....	....	....	....	....	....	.12	.13	T.	....	....	....	....	....	....	.38	.29	....	....	....	....	....	....	....	....	1.29
White Sulp'r Spgs.[2]	Greenbrier	....	....	....	....	.55	1.15	....	....	....	....	....	....	.10	.30	.75	.10	....	....	....	....	....	.35	.30	....	....	.45	....	....	....	....	....	4.05
Williamson[2]	Big Sandy	....	....	....	....	.85	.18	....	....	....	....	....	....	.01	.45	....	....	....	....	....	....	.08	.65	.40	....	....	.28	T.	....	....	....	....	2.90
Winfield Locks[2]†	Gr. Kanawha	....	....	....	....	.09	.07	....	....	....	....	....	....	.02	.06	....	....	....	....	....	....	....	.40	.25	....	....	.14	.09	....	....	....	....	1.12

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown: Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountaiu, Keyser; Kuunbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seueca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for October 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	61	70	65	63	62	50	61	65	65	63	64	50	45	52	53	52	56	53	54	59	57	55	50	52	55	45	37	50	70	71	70	57.3
	Minimum	19	31	31	42	39	38	33	30	30	33	36	27	28	41	45	48	45	38	30	28	28	38	35	28	25	35	18	15	15	29	30	31.9
Beckley	Maximum	73	78	79	70	69	62	71	77	73	76	71	64	56	64	57	60	66	71	77	68	65	61	59	63	65	64	53	65	68	70	59	66.9
	Minimum	42	45	55	54	53	39	39	39	40	43	41	44	48	50	49	51	39	46	41	43	48	41	41	32	43	31	20	28	41	43	48	42.5
Blucfield	Maximum	74	74	75	70	74	60	68	71	72	70	71	62	55	61	60	57	65	66	66	68	67	64	60	58	64	67	44	61	63	67	67	65.1
	Minimum	47	48	59	58	58	44	42	44	44	49	44	45	48	52	53	53	43	46	44	46	53	47	45	36	45	34	25	32	46	50	56	46.3
Brandywine	Maximum	76	73	72	70	72	68	75	79	81	75	72	71	63	61	63	64	70	69	70	72	65	66	67	62	66	60	57	61	65	68	69	68.5
	Minimum	30	34	35	40	44	37	31	40	34	38	37	38	41	42	45	42	41	48	31	35	40	38	35	26	35	36	21	15	27	34	45	36.0
Buckhannon	Maximum	68	73	75	71	70	63	70	72	74	74	70	66	62	60	61	60	65	65	65	67	68	64	60	67	68	60	41	59	72	73	71	66.3
	Minimum	48	48	55	58	60	45	40	43	44	48	49	42	41	52	58	57	47	52	49	38	48	46	43	34	41	35	27	24	39	43	45	45.1
Cairo	Maximum	77	80	82	83	73	75	78	81	83	81	81	77	71	69	65	69	72	70	73	75	75	64	62	61	64	64	46	65	75	84	79	72.7
	Minimum	39	45	51	57	57	45	39	41	42	45	46	40	45	53	58	59	51	40	35	34	42	40	44	32	34	34	23	21	32	44	52	42.6
Charleston (Airport)	Maximum	79	80	84	73	75	70	78	83	81	80	76	64	66	64	66	74	70	70	72	76	72	65	54	65	63	46	49	70	74	82	62	70.4
	Minimum	44	53	53	58	57	43	43	48	49	51	51	43	53	55	53	55	50	54	45	48	50	42	45	35	36	33	24	29	38	50	52	46.5
Clarksburg[3]	Maximum	74	78	80	70	73	65	74	77	78	77	72	67	63	62	62	65	66	66	67	70	69	63	51	59	66	46	42	61	73	75	67	67.0
	Minimum	32	39	44	48	57	46	39	39	42	42	46	41	43	52	53	57	51	48	36	35	36	42	42	33	33	38	26	20	22	33	41	40.5
Elkins	Maximum	70	77	80	73	71	61	71	75	74	75	71	61	58	62	61	59	63	63	64	70	67	65	51	61	67	56	41	61	71	69	69	65.7
	Minimum	39	44	47	59	51	45	40	41	42	48	47	43	50	52	56	54	48	49	38	35	46	48	45	35	41	29	25	21	34	49	47	43.5
Fairmont[3]	Maximum	78	80	78	70	76	68	79	69	82	81	76	69	61	63	63	66	66	70	70	76	71	64	49	65	68	45	43	65	77	77	68	68.8
	Minimum	40	46	50	54	60	44	43	43	46	50	49	44	50	54	55	51	54	49	36	39	44	44	46	35	37	43	26	23	25	40	49	44.2
Flat Top	Maximum	70	73	78	71	64	58	67	73	70	69	67	57	51	60	55	56	61	54	62	67	61	59	45	55	61	52	42	60	62	64	64	61.5
	Minimum	44	43	53	54	44	39	50	37	38	47	49	45	45	50	50	47	45	46	44	47	46	44	38	31	41	22	20	24	41	43	44	42.3
Gary[3]	Maximum	77	80	83	78	72	65	74	79	76	79	71	64	62	68	61	63	71	60	70	72	69	66	53	68	73	46	48	68	73	77	66	68.8
	Minimum	34	40	48	54	62	45	41	41	43	43	47	51	51	55	55	56	47	48	43	43	45	47	47	39	40	46	23	23	30	36	41	44.0
Glenville	Maximum	79	84	85	77	77	72	78	83	83	84	86	81	68	69	64	69	73	72	74	78	72	65	67	66	69	66	54	68	78	79	74	74.0
	Minimum	41	48	53	58	60	48	43	45	46	49	49	42	49	54	58	59	52	53	49	38	47	48	47	37	37	34	27	23	34	43	47	45.7
Grafton	Maximum	76	76	78	79	73	71	74	78	80	80	81	76	72	63	64	65	65	69	69	72	72	66	66	63	69	69	44	63	77	78	73	71.0
	Minimum	33	39	44	50	52	38	32	36	36	41	42	32	46	46	51	52	45	43	29	29	37	35	39	28	32	28	21	14	29	37	39	37.3
Huntington	Maximum	83	82	87	80	80	76	82	86	83	84	79	69	66	67	78	70	70	74	77	80	70	63	57	66	58	55	52	72	74	81	76	73.5
	Minimum	48	52	53	63	59	47	45	48	48	49	51	48	54	55	52	56	56	56	48	51	52	46	44	39	38	36	30	34	42	57	57	48.8
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Logan[3]	Maximum	81	82	87	80	76	73	79	84	83	80	75	64	65	68	65	70	68	65	68	78	69	70	56	65	67	47	51	64	73	84	68	71.1
	Minimum	39	47	55	58	62	46	46	48	50	50	54	50	50	54	57	53	53	55	49	50	54	46	46	41	40	39	26	26	33	39	52	47.4
Madison[3]	Maximum	..	..	..	75	..	70	82	..	..	..	75	64	66	71	65	..	73	69	72	76	70	67	62	69	65	58	40	69	73	81	67	68.7
	Minimum	42	45	53	55	61	43	45	46	47	48	53	47	48	49	55	55	*54*	50	47	46	47	42	43	39	36	40	22	23	33	35	48	45.1
Mannington	Maximum	73	76	78	73	72	66	74	78	77	77	73	69	65	64	64	67	67	68	70	73	66	61	60	59	67	57	42	64	74	77	72	68.5
	Minimum	38	44	47	56	57	44	37	40	41	44	45	39	49	53	58	60	50	45	33	34	40	39	45	32	34	34	27	18	30	41	45	41.9
Marlinton	Maximum	79	80	*80*	80	75	*65*	*72*	76	80	79	76	70	66	66	67	72	71	70	70	75	68	70	61	66	66	67	50	65	71	75	*72*	71.0
	Minimum	35	42	*47*	48	55	*44*	*42*	36	38	39	43	41	46	49	52	55	42	50	39	37	43	41	43	31	44	34	21	18	26	49	*44*	41.1
Martinsburg[3]	Maximum	77	75	66	68	75	70	80	80	85	78	76	68	60	65	65	68	68	74	70	71	68	72	65	62	60	55	50	57	64	70	75	68.9
	Minimum	34	40	50	56	57	52	42	42	46	46	48	50	52	50	55	60	58	57	44	42	41	50	52	43	42	48	32	27	28	36	37	45.7
Morgantown	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
New Martinsville	Maximum	76	82	82	72	75	71	78	81	82	77	73	72	68	67	66	69	69	72	72	74	63	63	54	62	67	57	45	65	75	79	75	70.4
	Minimum	40	47	52	57	53	42	41	44	45	50	46	42	49	52	57	59	51	47	40	40	42	41	40	33	37	33	25	19	33	46	54	43.8
Parkersburg	Maximum	78	79	82	69	72	70	78	82	80	78	72	69	66	63	64	71	65	69	72	74	65	64	54	58	60	51	46	64	73	77	67	68.8
	Minimum	50	52	55	65	54	48	47	46	51	55	51	49	54	54	58	58	55	48	40	40	50	46	43	38	42	33	29	28	43	56	48	47.9
Pickens	Maximum	69	75	78	67	67	58	59	54	56	58	71	62	54	57	58	56	59	55	51	54	53	62	52	45	55	49	35	43	68	59	59	58.0
	Minimum	39	45	45	52	48	38	35	39	41	45	48	36	43	46	50	49	40	44	37	33	40	38	35	26	38	25	17	19	33	43	45	39.1
Point Pleasant	Maximum	77	79	83	82	70	70	79	83	84	82	78	75	69	67	67	73	74	71	72	73	75	69	62	60	60	57	47	66	73	76	75	71.9
	Minimum	50	53	53	63	60	48	40	49	50	53	52	47	55	54	54	53	55	56	44	45	52	47	44	41	40	36	30	31	42	42	59	48.3
Rainellc	Maximum	74	78	78	71	69	63	72	77	75	75	71	63	57	62	56	59	67	61	65	70	66	61	58	57	62	61	46	65	66	71	66	65.9
	Minimum	34	42	48	52	54	42	35	36	38	41	43	41	48	50	51	53	42	48	38	37	45	40	43	31	41	31	22	24	31	27	43	40.4
Spencer[3]	Maximum	76	80	83	69	75	69	77	80	79	78	74	66	67	62	63	78	71	70	71	74	69	61	52	61	63	45	47	67	75	77	61	69.0
	Minimum	43	47	48	55	59	46	41	44	44	44	44	42	52	53	57	57	51	52	39	39	47	42	44	32	33	34	26	24	37	53	52	44.5
Sutton	Maximum	77	81	82	82	68	68	73	81	81	80	80	77	63	64	65	67	67	70	71	74	74	72	68	64	67	67	48	68	75	77	77	71.9
	Minimum	40	46	50	55	54	48	41	43	44	47	51	46	47	54	53	55	48	54	44	40	46	42	47	38	37	36	25	23	35	43	46	44.5
Wardensville[3]	Maximum	77	70	69	69	70	67	77	80	80	73	73	61	67	61	64	66	68	70	67	78	67	70	60	60	57	59	49	61	67	70	73	67.8
	Minimum	35	41	47	53	56	47	37	40	41	45	43	40	43	48	55	60	55	54	37	36	44	41	48	34	40	48	28	19	28	35	43	42.6
Weston	Maximum	79	82	85	80	76	71	79	81	80	81	78	73	70	65	63	64	70	68	71	74	72	71	62	65	69	64	48	68	78	79	75	72.3
	Minimum	43	46	52	62	61	48	41	43	45	49	50	43	54	53	58	51	54	42	41	51	50	48	36	36	39	29	25	35	58	50	50	46.5
Wheeling[3]	Maximum	77	81	81	69	73	68	76	81	80	74	72	71	66	65	64	68	67	67	67	72	62	62	53	55	67	45	43	61	67	76	65	67.6
	Minimum	37	49	49	54	53	48	46	45	44	51	46	43	43	54	54	57	54	48	41	41	42	46	45	36	37	36	29	25	34	34	56	44.4
Williamson[3]	Maximum	79	75	81	75	73	69	75	78	76	77	74	63	67	65	63	70	68	66	69	74	66	67	51	65	60	48	49	69	69	81	65	68.6
	Minimum	40	49	56	56	62	46	48	49	52	52	55	52	52	55	58	54	54	54	51	51	52	48	49	42	41	44	27	28	34	41	53	48.5

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.054	.056	.036	.054	.010	.082	.087	.053	.068	.059	.051	.082	.077	.048	....	.008	.048	.062	.069	.060	.054	.048	.056	.074	.051	....	....	....	....	....	....	1.740
	Wind movement	6	13	5	12	15	13	20	71	84	18	20	18	68	49	10	4	13	55	41	37	19	31	49	62	16	15	94	74	27	6	32	997
Wardensville	Evaporation	.104	.120	.048	.060	.069	.162	.162	.138	.147	.112	.087	.090	.100	....	....	....	....	....	.133	.023	....	.054	.131	.087	.080	.036	.086	.094	.046	.112	.106	2.960
	Wind movement	5	5	1	3	7	25	31	20	3	5	10	10	64	32	78	66	2	12	20	23	7	29	40	11	2	4	36	35	3	31	40	660

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 11-30-42—925)

.05
WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., NOVEMBER 1942 No. 11

GENERAL SUMMARY

Temperatures averaged well above normal with only a few widely scattered stations reporting minus departures. No extremely warm or cold periods were reported The cold periods were the 4–5th, 14–15th, and 27–29th. The warm periods were the 1st–3d, 8–10th, and 16th–21st. No zero temperatures were recorded.

Precipitation was considerably in excess of normal for the State. It was nearly normal in amount for the northeastern panhandle division, but was much in excess in the northern and southern divisions. Minus departures of small amounts were rather numerous in the northeastern panhandle division and at a few widely scattered stations elsewhere. The percentages of normal by divisions were: 97 in the northeastern panhandle division; 151 in the northern division; 136 in the southern division; and for the State 139. The rainfall was well distributed throughout the month, both as to amounts and as to days. Measureable snow fell at a few stations on the 3d, 25th, and 29th. No damage from storm or flood during the month was reported.

Sunshine was considerably below normal with the skies overcast much of the time. Winter grains and pastures remain in good condition, although snow cover was lacking. Corn husking and the gathering of soybeans have been practically completed. Farm work was on a winter routine basis by the close of the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 44.7°, or 1.5° above the normal. The mean for the northeastern panhandle division was 44.6°; for the northern division, 44.2°; and for the southern division, 45.3°. The highest monthly mean was 50.2° at Huntington and the lowest, 37.2° at Terra Alta. The highest temperature was 80° at Huntington and Logan on the 20th and the lowest, 9° at Grafton and Pickens on the 28th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 3.81 inches, or 1.06 inches above the normal. In the northeastern panhandle division the average was 2.12 inches; in the northern division, 4.49 inches; and in the southern division, 3.65 inches. The greatest monthly precipitation was 6.95 inches at Creston, and the the least, 1.56 inches at Lost River State Park and Petersburg. The greatest amount in any 24 consecutive hours was 1.80 inches at Creston on the 1st. The average monthly snowfall was 0.2 inch, or 2.2 inches below the normal. The greatest monthly snowfall was 5.0 inches at Alpena. The average number of days with .01 inch or more of precipitation was 12.

JULIUS K. MONROE

Mr. Julius K. Monroe, cooperative observer at Lewisburg since October 1, 1936, died October 31, 1942. Mr. Monroe was born at Evansville, West Virginia, August 11, 1864.

For many years he was on the engineering staff of the State Road Commission. In the late nineties he served as cooperative observer at Kingwood, West Virginia, for a period of about two years. His records were neat and accurate and represented his deep interest in the work. His going is sincerely regretted by the Weather Bureau.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	..	1	13	5	2	4	6	23	..	..	..	..	..	..	1	2	7	35	6	3	3	3	1	1	4	..	..	..	1	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	1	..	..	..	17	4	3	19	3	2	2	1	..	..	1	..	..	..	..	1	3	8	1	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	4	3	..
Thunderstorms	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Ciucinnati, Ohio	30.10	30.49	4	29.56	26	8.8	32	sw.	10	83	63	70	43
Columbus, Ohio	30.09	30.54	4	29.56	26	11.2	38	s.	10	81	63	72	32
Elkins	30.14	30.59	4	29.70	29	7.1	35	w.	10	84	65	75	31
Huntington Airp't	30.12	30.53	4	29.62	26	......	35	w.	10	82	58	75	....
Parkersburg	30.11	30.54	4	29.61	26	6.7	29	w.	10	79	61	70	31
Pittsburgh, Pa	30.01	30.57	4	29.59	13	11.3	41	nw.	13	79	63	72	31

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	......	8	..	..	..
1892	41.7	81	3	2.64	5.59	2.79	3.10	......	..	..	..	..
1893	41.4	74	3	2.44	2.27	1.77	2.12	......	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	......	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	......	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	......	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	......	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	......	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	**.64**	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	**37.3**	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1.5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	**5.99**	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	**−14**	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	**51.3**	**88**	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	**88**	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	**88**	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
1942	44.7	80	9	2.12	4.49	3.65	3.81	.2	12	8	8	14
Period	43.2	88	−14	2.18	2.98	2.68	2.75	2.4	9	11	6	13

Climatological Data for November 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	38.5	−0.6	69	20	13	15	3.56	+0.56	0.73	11	T.	10	12	6	12	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	......	..	..	..	..	...	......	....	....	0.1	..	11	2	17	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	45.4	+3.4	71	20	14	15	1.59	−0.19	.54	22-23	....	7	24	0	6	n.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	..	..	2.15	−0.04	.50	30	....	8	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	46.0	.. ..	78	21	16	14	2.51	......	.75	23	....	7	13	9	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	46.0	+1.0	77	20	12	15	2.44	−0.16	.67	29	....	7	5	15	10	n.	University Exper. Station
Martinsburg	Berkeley	435	50	45.0	+1.8	72	§20	20	15	2.52	+0.27	.75	30	T.	10	17	11	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	46.1	+3.8	77	20	13	15	1.66	+0.11	.51	1	....	6	6	9	15	w.	R. E. Saville
Piedmont	Mineral	1,053	29	43.2	+1.0	74	20	20	16	2.10	+0.21	.49	24	2.0	12	7	10	13	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	45.8	+2.7	75	§17	13	15	1.75	−0.03	.53	29	....	6	11	8	11	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	......	..	..	..	..	2.41	−0.54	.80	24	.5	11	4	7	19	w.	Fred Becker
Wardensville	Hardy	1,200	21	43.2	−0.7	76	20	14	15	1.70	+0.07	.43	1	....	11	11	12	7	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	..	..	..	..	4.58	+1.24	.93	1	T.	15	4	11	15	w.	L. Esle Bond
Alpena	Randolph	2,571	11	40.8	+1.5	67	20	11	15	4.78	+1.47	.83	29	5.0	13	7	8	15	......	Christian Hertig
Benson	Harrison	1,080	18	46.4	+3.3	75	20	15	§15	5.36	+1.87	1.07	1	....	17	8	8	14	......	R. D. Marts
Bens Run	Pleasants	652	40	45.8	+1.7	75	20	20	28	4.11	+1.22	.81	1	....	16	12	5	13	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	40.6	......	71	20	15	15	4.51	......	.82	1	1.5	15	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	47.4	+2.8	78	2	15	28	4.09	+0.42	.65	29	....	15	9	8	13	......	M. D. Hawkins
Buckhannon	Upshur	1,411	45	46.0	+3.8	71	20	19	28	4.77	+1.67	.90	1	T.	12	10	6	14	......	H. A. Darnall
Cairo	Ritchie	680	41	46.5	+2.8	75	21	15	28	4.42	+1.54	.98	1	....	13	7	5	18	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	43.3	+0.5	73	20	16	§15	4.37	+1.18	.90	1	T.	11	10	10	10	w.	Clarksburg Water Board
Creston	Wirt	640	40	47.0	+2.8	77	§20	17	§14	6.95	+4.20	1.80	1	....	15	6	12	12	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	..	..	..	..	4.66	+1.51	.98	1	....	15	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	..	..	..	..	3.43	+1.05	1.17	1	....	12	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	..	..	..	..	4.32	+1.03	.96	1	T.	13	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	..	..	..	..	4.06	+1.42	1.28	1	....	13	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	..	..	..	..	5.65	+3.05	1.40	3	....	10	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	..	..	..	..	4.72	+2.18	1.05	23	....	15	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	43.5	+3.2	71	20	16	15	3.46	+0.68	.67	29	T.	16	4	5	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	36	44.7	+1.8	75	20	18	28	4.51	+1.75	.95	1	.4	15	9	6	15	w.	J. C. Robinson
Glenville	Gilmer	738	48	48.0	+3.7	78	20	12	28	5.58	+2.53	1.09	1	....	14	9	6	15	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	43.8	+0.7	74	§20	9	28	4.73	+2.30	1.03	25	T.	12	11	6	13	......	L. W. Clayton
Grantsville	Calhoun	900	1	46.7	......	72	9	20	14	4.35	......	1.07	23	....	8	8	8	14	n.	James Roberts
Hastings	Wetzel	809	7	....	......	..	..	..	..	5.02	......	1.36	1	T.	14	6	9	15	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	..	..	..	..	4.55	+1.23	.94	1	....	16	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	......	..	..	..	..	....	......	....	....	....	..	..	..	..	......	Mrs. Gladys Edmonds
Mannington	Marion	974	39	44.3	+2.3	75	20	14	28	4.49	+1.45	.84	1	1.5	18	9	5	16	w.	James A. Morgan
Middlebourne	Tyler	750	1	44.8	......	76	20	15	28	4.63	......	1.30	1	T.	12	10	3	17	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	49	42.5	−1.3	71	15	20	29	4.60	+2.07	1.00	25	.5	9	10	12	8	......	State Horticultural Farm
New Cumberland	Hancock	671	44	43.6	+2.0	76	20	17	15	2.81	+0.49	1.04	17-18	....	11	11	1	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	48	45.0	+0.2	77	20	16	28	3.97	+1.13	.84	1	T.	11	9	5	16	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	46.4	+2.6	75	20	22	28	2.48	−0.09	.54	29	T.	11	7	6	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	44.7	+3.5	71	20	15	15	4.36	+1.43	.83	29	1.0	18	..	..	..	......	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	..	..	..	..	4.49	+1.56	.79	1	T.	12	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	38.0	−2.4	63	§9	9	28	5.47	+1.25	1.03	1	4.5	14	8	7	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	..	..	..	..	5.40	+2.03	1.00	1	....	13	3	10	17	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	43.9	......	73	20	18	15	4.90	+1.35	.80	30	1.5	11	9	3	18	e.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	..	..	..	..	4.59	+1.79	1.38	1	....	14	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	37.2	−3.4	67	§2	15	13	4.69	+1.49	....	....	....	17	3	11	16	......	Lawrence Pritt
Thomas	Tucker	3,000	13	....	......	..	..	..		4.53	+1.54	.83	30	T.	12	..	..	..	....	W. Sleeman
Valley Chapel	Lewis	1,011	19	46.4	+1.4	74	§20	14	27	4.89	+1.62	.93	1	T.	15	8	13	9	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	43.3	+1.5	75	20	16	15	3.88	+1.31	1.04	1	T.	10	8	9	13	......	George P. Pfister
West Milford	Harrison	979	17	....	......	..	..	..	..	4.99	+1.38	.88	23	....	17		..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	48.8	+4.8	74	20	20	28	5.25	+2.31	.97	1-2	....	15	3	11	16	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	45.0	+2.8	74	20	22	§14	3.60	+1.17	.95	1	2.0	15	8	8	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	..	..	2.02	−1.06	.45	1	.5	10	10	6	14	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	44.0	+0.7	70	17	15	28	3.11	+0.52	.65	1	T.	15	11	8	11	......	L. A. Mauck
Bluefield	Mercer	2,558	47	46.9	+2.0	70	20	20	§14	2.43	+0.38	.81	1	....	11	14	4	12	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	47.3	......	78	20	17	28	3.60	......	.91	22-23	....	14	8	9	13	n.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	40.2	......	68	20	15	14	2.56	......	.52	23	.6	15	8	14	8	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	46.6	+1.6	76	20	18	28	2.59	−0.11	.86	1	....	12	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	46.8	......	77	20	18	14	5.39	......	1.73	23	....	15	6	6	18	sw.	State Forest Nursery
Hamlin	Lincoln	641	1	....	......	..	..	..	..	4.43	......	1.24	1	....	13	11	10	9	......	James J. Jeffries
Hinton	Summers	1,431	45	46.4	+2.3	79	§17	18	28	2.46	+0.05	.82	23-24	....	11	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	50.2	+5.9	80	20	23	28	4.45	+1.93	.96	22-23	....	12	3	10	17	sw	H. N. Robinson
Kayford	Kanawha	1,335	26	....	......	..	..	..	..	3.20	+0.05	.86	1	....	15	..		..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,200	42	....	......	..	..	..	..	....	......	....	....	....	..	..	..	..	......	James B. Stuart
Logan	Logan	700	39	49.1	+1.8	80	20	22	28	3.79	+0.56	.81	1	....	14	7	10	13	.....	Paul A. Simonds
London Locks	Kanawha	623	6	45.6	......	70	17	20	28	3.59	......	1.05	1	....	14	3	11	16	......	Lockmaster
Madison	Boone	675	21	47.2	+3.7	77	§9	18	28	2.39	−0.26	.95	1	....	7	6	11	13	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	....	......	..	..	..	..	3.05	+0.11	....	....	....	10	..	..	..	......	Edward A. Moore
Oak Hill	Fayette	1,950	1	43.8	......	76	10	18	28	2.82	......	.78	1	....	13	10	1	19	......	W. E. Holy
Pineville	Wyoming	1,350	2	47.7	......	77	19	17	28	3.56	......	.84	1	....	11	12	10	8	......	Charles Dameron
Point Pleasant	Mason	595	43	48.6	+3.3	76	§20	22	14	6.07	+3.24	1.45	23	T.	16	10	11	9	......	E. C. Winger
Rainelle	Greenbrier	2,424	12	42.2	+1.9	73	20	12	28	3.09	+0.10	.73	1	.5	15	9	5	16	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	46.8	+1.1	75	10	19	28	4.93	+2.21	1.13	1	....	12	6	4	20	nw.	Lockmaster
Richwood	Nicholas	2,193	12	41.6	−0.8	70	§20	15	28	4.01	+1.12	.72	§1	T.	12	9	3	18	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	48.1	.....	75	9	14	28	....	......	....	....	....	..	5	10	15	......	Sattis Simmons
Ryan	Roane	700	39	44.6	+1.2	78	20	12	28	4.19	+1.32	.93	23	....	13	8	5	17	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	40.7	......	69	8	10	15	2.32	......	.69	23	T.	9	10	9	11	w.	Supt., State Forest
Spencer	Roane	789	38	46.3	+2.2	76	20	18	28	5.69	+3.02	1.21	1	....	13	2	8	20	......	A. M. McKown
Summersville	Nicholas	1,900	6	42.6	.....	74	20	12	28	4.16	......	.90	1	....	11	9	15	6	......	A. E. Dorsey
Sutton	Braxton	850	36	47.4	+3.4	77	§20	16	28	5.12	+1.92	1.10	1	....	16	14	12	4	......	C. B. Eakle
Union	Monroe	2,200	38	43.0	+0.6	75	20	15	15	2.49	+0.15	.57	1	....	10	10	0	20	......	C. B. King
Webster Springs	Webster	1,500	10	49.6	......	75	1	18	28	3.82	......	1.15	3	T.	9	8	11	11	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	42.3	+0.2	76	20	14	28	....	......	....	....	....	..	13	9	8	......	White Sulphur Spgs., Inc.
Williamson	Mingo	673	42	49.3	+3.7	78	20	24	28	3.81	+0.99	.73	1	....	16	11	6	13	se.	J. E. Dotson
Winfield Locks	Putnam	571	4	47.5	......	77	20	23	28	5.08	......	1.38	23-24	....	13	9	5	16	sw.	Lockmaster
State averages and	extremes	......	....	**44.7**	**+1.5**	**80**	**20**	**9**	**28**	**3.81**	**+1.06**	**1.80**	**1**	**0.2**	**12**	**8**	**8**	**14**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ᵃ one day, ᵇ two days etc. § Also on other dates.

Daily Precipitation for November 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard²	Potomac	.45		.30								.73			.11							.15	.26	.38	.50	.16					.52		3.56
Brandywine	do	.30						.18			.25												.24	.30	.20					.12			1.59
Brushy Run²	do	.43		.07				.06	.03			.13											.09	.18	.65	.03					.21		1.88
Harpers Ferry²	do	.38		.37			.04					.27												.04	.38	.17					.50		2.15
Inwood	do	.45						.05															.05	.75	.57		.02			.62			2.51
Kearneysville	do	.48		.44			.03				.32													.15	.35		T.			.67			2.44
Knobly Mountain²†	do	.40		.02				T.	.15			.15			T.				.03					.28	.65	T.					.67		2.35
Martinsburg²	do	.50		.35				.05	.02			.30			.01				T.				T.	.02	.42	.10		T.			.75		2.52
McNeill†	do	.51	.11				T.	T.	.03	T.	T.											T.	T.	.46	.28	T.	T.			.27			1.66
Petersburg	do	.31		.07				.07			.07												.05	.47	.31					.21			1.56
Piedmont	do	.31		.03			T.	.02	.19		.20			T.	T.				.05		.01	.02		.29	.49	.02	T.			.47			2.10
Romney	do	.40									.15											.08		.34	.25					.53			1.75
Spruce Knob²†	do	.32		.04				.09	.13		T.	.27							.04				.32	.24	.62	.08		T.			.37		2.52
Stony River Dam²†	do			.12			.11	.04	.13										.05			.05	.47	.13	.80	.07					.44		2.41
Wardensville²	do	.43		.26				.03	.01			.15											.04	.11	.25	.03		.02		T.	.37		1.70
Northern Division																																	
Aberdeen†	West Fork	.93	.03	.69			.08	.04	.03		.51			T.				T.	.14	T.		.12	.11	.49	.40	.30	T.			.62	.09		4.58
Alpena	Cheat	.76	.06	.43			T.	.04	.05		.53								.08		T.	.70	.30	.53	.38	.09				.83			4.78
Belington²	Tygart	.71	T.	.53	T.		T.	.03	.03	T		.45			T.				.11	.02	T.	T.	.26	.30	.56	.34	T.	.04			.78		4.16
Benson†	West Fork	1.07	.02	.75			.12	.05			.55							.02	.16	.04	.15		.10	.95	.50	.20	.02			.61	.05		5.36
Bens Run	Ohio	.81	.14	.22		T.	.22	.05	.02		.55							.03	.28	.02		.27	.04	.53	.21		.14			.58			4.11
Big Skin Creek†	West Fork	1.20	.60				.10		.12		.48							.10	.12	.02		.37	.20	.55	.45	.21	.02			.78	.03		5.35
Brownsville†	do	.01	.05	.61			.09				.50								.16	.03		.21	.19	.62	.55	.22	.05			.65	.15		4.09
Buckhannon	Tygart	.90	.10	.52			.09		T.		.50			T.				T.	.15	T.		.30	.15	.52	.36	.33	T.			.85			4.77
Cairo	Litl.Kanawha	.98		.50			.09				.48								.25	.08		.11	.15	.75	.18	.20				.45	.20		4.42
Clarksburg²	West Fork	.90		.50				.07				.49			T.				.10	.05	T.	T.	.28	.45	.58	.25					.70		4.37
Crawford	do	1.02	.16	.52		.03	.02	.03	T.		.46							.02	.11			.32	.22	.52	.65	.19				.64	.02		4.93
Creston²	Litl.Kanawha	1.80		.80			.04	.22	.04	T.		.55							.29	.02	.02		.25	1.63	.30	.23		T.		.01	.75		6.95
Dailey²†	Tygart	.62	T.	.25	T.		.01	.02	.02	T.		.37			T.				.01	.01		T.	.38	.19	.68	.16	T.	T.			.38		3.10
Dam 10, Mon. R.²†	Monongahela	.98		.65			.03	.11	.20	.05		.32							.20			.09	.26	.06	.68	.35		.02			.66		4.66
Dam 13, O. R.²†	Ohio	1.17		.20				.11	.03			.41							.47			.01	.11	.04	.34	.08					.46		3.43
Dam 15, Mon. R.²†	Monongahela	.96	T.	.56			T.	.12	.10			.40							.20			.03	.25	.12	.48	.38	T.	.03			.69		4.32
Dam 19, O. R.²†	Ohio	1.28	T.	.22				.11		T.		.48						T.	.30	.01	.03		.21	.48	.36	.02		T.		.06	.50		4.06
Dam 20, O. R.²†	do	1.30		1.40				.09	.02	T.		.59							.43				.18	.60	.40	T.	T.			T.	.64		5.65
Elizabeth (Dam 3)²	Litl.Kanawha	.70	.18	.36			.10		.08		.48								.30	.10	.08	.10	.06	1.05	.28	.05				.80			4.72
Elk†	West Fork	.90	.10	.50							.44								.20			.13	.31	.40	.45		.30			.70			4.43
Elkins¹‡	Tygart	.39	.31	.08	T.	.01	.02	.01	.02		.41			T.				T.	.04	T.	T.	.30	.26	.33	.45	.12	.04	T.		.67			3.46
Fairmont²	Monongahela	.95		.57			.01	.17	.12	.03		.45			T.						T.	.19	.18	.22	.60	.28		.04		.10	.60		4.51
Glenville²	Litl.Kanawha	1.09		.73			T.	.12	.03			.46							.19	.06	T.		.42	.93	.52	.22	T.	.08		.11	.62		5.58
Grafton	Tygart	.86		.60			.07			.09	.42			T.	T.				.15		.01		.25	.51		1.03	.01				.73		4.73
Hackers Creek†	West Fork	.60	.01				.66	.04	.01		.44							.01	.15	.03		.12	.10	.84	.41		.02			.55	.60		4.59
Hall²	Tygart	.98	T.	.66			.01	.08	.03			.51			T.				.13	.01	T.	T.	.23	.16	.61	.46	T.	T.			.76		4.63
Harrison Co. Airport²	West Fork	.26	.61	T.		T.	.09	.04			.40	T.		T.				.06	.13	.03	T.	.37	.44	.44	.45	.06	T.			.65			4.03
Hastings	Ohio	1.36	T.	.50			.19	.01	T.	.06	.65	T.			T.			T.	.30	T.		.45	.11	.32	.29	.22	T.			.55	.01		5.02
Horner	West Fork	.90		*					.25										.15			.25	.50	.60	.30	.33	.10			.70	.05		4.13
Ireland	do	1.21	.03	.64			.09	.04	.03		.47								.14			.45	.08	.64	.58	.12				.61	T.		5.13
Jane Lew	do	.94	.07	.56			.06	.04	T.		.40							.02	.18			.09	.09	.67	.42	.25		.04		.58	.14		4.55
Kumbrabow St. For.†	²Tygart	.71		.29			.08	.04			.68								.20			.54	.18	.36	.64	.38				.67			4.77
Lost Creek (near)	West Fork																																....
Mannington	Monongahela	.84	.09	.36			.15	.01	.07	.01	.39	T.						.07	.22	.01		.46	.02	.35	.47	.17	.02			.78			4.49
Middlebourne	Middle Is. Creek	1.30		.37			T.	.28	.04	T.		.57							.24			.13	.16	.23	.57	.17				T.	.57		4.63
Midvale²†	Tygart	1.09		.64				.11				.43							.06	T.			.47	.42	.57	.51	T.	.03			.64		4.97
Morgantown	Monongahela	.55	.45		T.			.10			.45												.35	.50	1.00	.35				.85			4.60
Mt. Clare	West Fork		.08	.63			.10	.02	.03									.01	.13			.32	.10	.46	.42	.25				.68			3.23
New Cumberland	Ohio		.03	.05			.01	.01			.60			T.	T.			.35	.69			.15		.16	.37					.39			2.81
New Martinsville	do	.84	.34				16		.05		.54			T.				T.	.35			.34	T.	.42	.14	.15	T.			.64			3.97
Parkersburg¹‡	do		.24	T.		T.	.11	.01	T.		.44			T.				.10	.17	T.		.15	.16	.42	.14		T.			.54			2.48
Parsons	Cheat	.80	.03	.44			.03	.03	.06	.02	.57	T.		T.				T.	.11	.02	T.	.20	.10	.43	.41	.18	.05	T.		.83	.05		4.36
Philippi²	Tygart	.79	T	.68			T.	.04	.03	T.		.39			T.				.10	.05	T.	T.	.33	.39	.59	.42	T.	T.			.68		4.49
Pickens	do	1.03	.12	.30			.08	.08			.72								.22	.06		.90	.25	.43	.53	.20				.55			5.47
Roanoke	West Fork	1.00	.18	.42			.14				.72									T.		.53	.30	.65	.41	.21	.04			.75	.05		5.40
Rockford†	do	.91	.22	.49			.06	T.	T.		.45	T.		T.				T.	.15	T.		.10	.09	.68	.39	.24	.03			.69	T.		4.50
Rowlesburg²	Cheat	.75	T.	.48			T.	.08	.23			.78	T.		T.				.23	T.	T.	T.	.44	.12	.45	.54	T.				.80		4.90
Saint Marys²	Ohio	1.38		.35			.04	.16				.65							.29		.03	.08	.17	.22	.47	.17				.11	.47		4.59
Salem	West Fork	.87	.15	.46			.11	T.	.02		.47							.03	.13	.03		.33	.10	.58	.48	.18	.03			.70			4.67
Shinnston	do		.05				.01											.05	1.16	T.		.35	T.	.35	.41		.20	T.		.72			3.30
Terra Alta†‡	Cheat	*	1.00			.02	.10	.30		*	.60							.02	.26	.05		.51	.07	.41	.40	.21	.09			.65			4.69
Thomas²	do		.61	.58						.10		.52			T.				.12	.03		T.	.03	.76	.51	T.	.22	.22			.83		4.53
Valley Chapel	West Fork	.93	.03	.65			.06	.04	T.		.43							T.	.19			.18	.10	.89	.43	.20	.02			.59	.15		4.89
Valley Head²	Tygart	.58	T.	.19	T.			.01	.05	.01		.53							T.	.07		T.	.42	T.	.70	.13	T.				.49		3.18
Vandalia†	West Fork	.98	.08	.49			.09				.42								.15			.38		.78	.37	.25				.75			4.74
Wellsburg (near)	Ohio	1.04	.02				.18		.08		.58							T.	.85	T.		T.		.16	.42	T.	.05	T.		.50			3.88
West Milford	West Fork	.75	.25	.55			.08	.10	.02		.34							.05	.17	.09		.20	.11	.88	.40	.25				.60	.15		4.99
Weston²	do	.89	.08	.68			.05	.08	.04			.53							.18	.04		T.	.28	.33	.83	.42		.10			.72		5.25
Wheeling (Dam 12)²	Ohio	.95	T.	.19			.01	.06	.06	.09		.49		T.	.01				.70			.02	.10	.03	.34	.04				T.	.51		3.60
Southern Division																																	
Arbovale²	Greenbrier	.45		T.			.02	.11	T.		.23								.02			.02	.10	.40	.34					.33			2.02
Beckley	New	.65		T.		.18	.03	.19	.27		.28								.07	.06		.27	.26	.27	.15	.11	T.			.24	.08		3.11
Bluefield	New	.81		.10				.01	.35		.37								T.	.01		.06	*	.67	.05						*		2.43
Camden-on-Gauley²	Gauley	.83		.24				.05				.72							.15	.02			.76	.46	.15	.10					.38		3.86
Charleston (Airport)⁴	Gr. Kanawha	.20	.27	.27		T.	.04	.02	.03		.57							T.	.18	.03		.29	.28	.81	.07		T.			.54			3.60
Clay²	Elk	1.17		.47			T	.09	.04			.39							.14	.06	.01		.89	.42	.31	.32				.05	.52		4.88
Flat Top⁴	New	.18	.08			.02	.01	.07	.32		.38								.14	.02		.32	.19	.52	.08		.02			.21			2.56
Gary²	Big Sandy	.86		.15			.01	.05	.23			.20								.03			.43	.27	.13	.06					.17		2.59
Greenbottom²†	Ohio	.33	.32	.26		.03	.10	.03	.02		.58							T.	.43			.51	.19	1.73	.12		.02			.72			5.39
Hinton²	New	.81		.02			T.	.03	.23	.02		.19								T.		.09		.50	.32	.07		T.			.18		2.46
Hogsett²	Ohio	1.39		.47			.04	.06	.02	T.		.58							.29	.02	.02		.56	1.57	.30	T.				.12	.58		6.02
Huntington	do	.32	.37	.23		T.	.04	T.	.03		.47							T.	.29			.50	.30	.96	.21		T.			.73			4.45
Kayford²	Gr. Kanawha	.86		.36				.07	.05	.05	.01	.46							.06	.07				.40	.40	.05		.12		.12	.12		3.20
Lewisburg	Greenbrier																													.15	.45		|||
Logan²	Guyandot	.81		.28			T.	.12	.21			.44							.14	.16	.01	.02	.58	.42	.20	.08				T	.32		3.79
London Locks²†	Gr. Kanawha	1.05		.35			T.	.10	.10	.03		.33							.05	.04	.04		.40	.25	.31	.09				T.	.45		3.59
Madison²	Coal	.95		.41				.08	.13			.52							.18						.12								2.39
Marlinton	Greenbrier	.45	.46					.06	.08			.37							.06				*	*	1.29						.28		3.05
Pineville	Gr. Kanawha	.84		.18			T.	.50	.04			.36									.20		.25	.60	.28	.06	T.				.25		3.56
Point Pleasant²	Ohio	1.20	T	.45		T.	.03	.19	.04	.02	T.	.59	T.					T.	.42	.03	.21	.04	T.	1.45	.64	.02	T.			.31	.43		6.07
Princeton²	New	.56		.10			T.		.27	T.									.10			T.	.13	.77	.11	T.	T.				.23		2.27
Rainelle	Greenbrier	.73		.19				.12	.09		.42								.04		.01	.22	.15	.50	.20	.08	.01			.22	.11		3.09
Ravenswood²	Ohio	1.13		.20			T.	.18	.07			.40							.32		.14	T.	.28	1.12	.37	.05					.67		4.93
Richwood²	Gauley	.72		.24			.08		.06			.49							.09	.05			.72	.60	.33	.29					.34		4.01

Continued on next page.

Daily Precipitation for November 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.63	.21	.40	....	....	.06	....	.03	....	.07	....	....	....	....	....	....	....	.24	.02	....	.67	.15	.93	.20	....	....	....	....	.58	....	....	4.19
Seneca State Forest†	Greenbrier	....	....	.05	....	....	....	....	.15	....	.30	....	....	....	....	....	....	....	....	....	....	.02	.19	.69	.40	....	....	....	....	.32	.20	....	2.32
Spencer [2]	Litl.Kanawha	1.21	....	.62	....	....	....	.14	.03	....	....	.62	....	....	....	....	....	....	.21	T.	.02	.10	.45	1.17	.30	.11	....	....	....	....	.71	....	5.69
Summersville[2]	Gauley	.90	....	.35	....	....	T.	.12	T.	....	....	.40	....	....	....	....	....	....	.10	.05	....	....	.80	.58	.16	.25	....	....	....	....	.45	....	4.16
Sutton	Elk	1.10	.14	.48	....	....	.05	.11	.03	....	.55	....	....	....	....	....	....	....	.12	....	....	.50	.28	.70	.27	.16	.05	....	....	.46	.12	....	5.12
Thornwood[2]	Greenbrier	.64	....	.08	....	....	.08	.15	.05	....	.34	....	....	....	....	....	....	....	.08	....	....	.12	.14	.54	.48	....	.07	....	....	....	.48	....	3.25
Union [2]	New	.57	....	.05	....	....	....	*	.30	....	....	.35	....	....	....	....	....	....	....	....	....	....	.15	....	.55	.15	....	....	....	....	.37	....	2.49
Wayne [2]	Twelvepole	1.14	....	.44	....	....	.05	.07	....	....	....	.60	....	....	....	....	....	....	.29	.40	....	.30	.21	.69	....	.28	....	....	....	.13	.45	....	5.05
White Sulp'r Spgs. [2]	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Williamson [2]	Big Sandy	.73	....	.23	....	....	....	.10	.33	.01	....	.52	....	....	....	....	....	....	.04	.19	.02	.02	.65	.37	.28	.03	....	T.	....	.01	.28	....	3.81
Winfield Locks[2]†	Gr. Kanawha	1.00	....	.63	....	....	.01	.02	.02	....	....	.48	....	....	....	....	....	....	.23	.06	....	....	.62	.93	.45	T	....	....	....	.02	.61	....	5.08

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for November 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	50	54	38	48	55	53	51	59	58	63	36	46	41	28	60	65	65	65	68	69	57	*53*	42	40	33	50	28	40	44	40	....	50.0
	Minimum	37	22	29	17	18	22	43	41	29	29	23	23	28	14	13	14	25	30	35	35	53	33	32	32	31	23	20	16	18	26	....	27.0
Beckley	Maximum	61	59	54	52	50	53	60	60	63	64	48	49	48	40	64	66	70	61	64	51	52	50	51	43	47	48	39	47	54	51	....	54.0
	Minimum	35	31	28	18	32	41	46	50	43	46	26	26	36	17	16	28	38	50	51	48	50	44	37	31	29	31	19	15	32	29	....	34.1
Bluefield	Maximum	66	*62*	59	50	52	57	57	*59*	61	64	49	48	50	45	*62*	63	67	66	68	70	68	*59*	60	43	41	52	*40*	47	54	*51*	....	56.3
	Minimum	*38*	38	32	22	36	46	48	*53*	50	48	28	31	40	20	22	*32*	46	52	53	50	54	*40*	36	34	32	*33*	23	20	*34*	33	....	37.5
Brandywine	Maximum	61	62	66	64	58	60	59	68	65	54	45	49	51	52	59	64	65	68	70	71	69	60	50	52	54	58	46	47	42	46	....	57.8
	Minimum	43	40	37	22	20	35	46	45	40	38	27	30	31	18	14	25	35	40	42	44	39	40	35	36	33	25	26	15	30	35	....	32.9
Buckhannon	Maximum	62	57	48	50	58	66	58	58	68	68	60	47	48	39	60	62	66	66	68	71	68	60	59	54	41	40	43	40	45	45	....	55.8
	Minimum	42	34	35	25	26	44	46	53	40	44	31	35	36	21	20	28	38	48	45	50	50	39	44	40	36	30	26	19	30	30	....	36.2
Cairo	Maximum	61	57	54	55	57	57	60	60	73	74	46	47	53	46	58	68	71	66	65	74	75	63	55	56	43	52	52	43	44	45	....	57.7
	Minimum	40	35	36	24	26	47	47	47	44	46	28	27	42	19	17	24	31	48	48	45	54	40	41	42	32	29	23	15	30	33	....	35.3
Charleston (Airport)	Maximum	57	59	45	58	62	63	60	60	76	69	46	54	51	40	67	70	74	65	75	78	64	*52*	57	*46*	52	53	37	46	47	42	....	57.5
	Minimum	37	31	37	28	32	51	55	53	45	42	32	29	39	19	20	29	37	52	54	48	52	43	46	40	32	32	21	17	29	30	....	37.1
Clarksburg [3]	Maximum	52	55	45	51	58	54	57	57	70	68	42	52	48	*36*	62	66	67	61	68	73	61	*58*	57	44	*43*	52	30	41	45	40	....	53.8
	Minimum	42	33	33	25	25	25	40	45	38	40	32	30	36	21	16	16	25	34	48	47	58	39	37	43	36	27	26	16	18	33	....	32.8
Elkins	Maximum	52	56	38	54	56	54	57	59	63	68	39	49	50	31	64	67	68	65	69	71	64	52	52	52	37	48	33	42	48	37	....	53.2
	Minimum	31	30	29	22	35	47	48	49	44	34	28	31	24	17	16	26	34	53	45	51	46	42	42	34	30	26	22	19	34	26	....	33.8
Fairmont [3]	Maximum	57	57	47	55	60	54	54	55	73	67	45	51	46	37	67	71	57	63	70	75	60	*59*	57	45	40	50	34	48	45	40	....	54.6
	Minimum	41	38	35	27	28	31	43	44	37	38	30	30	35	20	20	25	39	48	47	53	59	36	36	36	38	31	26	18	21	33	....	34.8
Flat Top	Maximum	48	57	32	45	46	50	54	58	52	60	38	45	45	33	56	60	67	56	66	68	57	54	39	39	43	48	27	38	49	43	....	49.1
	Minimum	28	29	20	22	28	42	46	47	43	28	22	25	22	15	20	22	33	50	50	49	52	35	33	28	27	25	25	16	31	28	....	31.4
Gary [3]	Maximum	55	63	41	60	61	57	66	65	72	69	*49*	53	53	41	68	69	73	62	75	76	63	61	*53*	*44*	50	50	36	52	59	*52*	....	58.3
	Minimum	42	30	30	23	23	30	49	51	50	49	34	28	27	25	20	21	27	32	53	47	46	53	44	40	36	30	27	18	23	37	....	34.8
Glenville	Maximum	61	58	48	60	59	58	60	59	74	68	59	68	54	42	61	72	71	67	72	78	74	62	58	54	45	54	51	43	46	47	....	59.4
	Minimum	41	35	36	27	26	47	49	52	49	38	32	34	41	21	19	25	33	50	52	48	52	43	42	40	35	30	26	12	29	33	....	36.6
Grafton	Maximum	72	56	50	55	61	61	58	63	73	65	55	47	52	42	66	69	69	67	69	74	74	53	56	57	42	53	53	44	45	46	....	58.2
	Minimum	35	28	26	19	20	42	43	39	30	45	23	29	33	14	11	20	25	45	40	42	44	31	34	32	30	23	19	9	23	26	....	29.3
Huntington	Maximum	59	57	50	57	62	60	58	60	79	72	50	56	54	44	69	72	73	67	76	80	76	61	60	57	57	55	42	48	46	44	....	60.0
	Minimum	39	37	34	29	37	54	49	52	52	46	33	34	44	25	25	34	45	55	53	58	61	41	41	42	36	37	27	23	33	36	....	40.4
Lewisburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	45	52	49	....	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	23	33	....	....
Logan [3]	Maximum	60	64	48	62	62	61	64	63	78	70	*52*	56	54	44	69	73	76	62	74	80	62	54	60	*47*	55	56	40	50	55	47	....	59.9
	Minimum	41	36	36	30	30	44	53	55	52	52	35	29	29	27	25	25	31	42	56	49	49	48	47	40	38	35	29	22	25	38	....	38.3
Madison[3]	Maximum	57	61	43	59	62	58	66	62	77	69	*50*	54	53	41	65	69	75	64	73	77	62	63	58	*49*	55	53	36	40	53	43	....	58.2
	Minimum	38	34	36	27	28	41	51	52	48	50	32	27	37	22	21	28	29	43	53	47	51	46	49	39	36	30	26	18	25	24	....	36.3
Mannington	Maximum	60	56	47	52	56	55	56	54	70	68	44	47	51	36	62	67	67	63	67	75	71	49	55	54	42	50	43	40	44	43	....	54.8
	Minimum	40	33	34	29	24	47	39	50	34	43	28	34	35	17	16	23	28	49	43	45	48	35	40	39	37	27	21	14	27	33	....	33.8
Marlinton	Maximum	69	66	65	58	52	62	57	70	67	57	62	58	..	..	..	75	70	63	68	75	65	53	..	..	..	..	..	..	53	..	....	63.2
	Minimum	39	24	32	20	19	38	45	38	26	27	18	19	..	..	13	..	25	34	40	39	34	..	..	..	32	15	..	..	..	..	....	28.8
Martinsburg [3]	Maximum	60	67	56	50	55	58	52	66	56	68	56	56	52	48	46	61	70	71	70	72	72	*54*	42	50	52	54	40	44	45	45	....	56.3
	Minimum	45	33	34	30	27	27	47	45	36	36	36	36	40	25	20	25	28	31	36	36	54	34	34	36	38	30	30	25	25	30	....	33.6
Morgantown	Maximum	62	59	62	55	60	49	49	50	62	48	39	40	53	60	71	63	50	45	50	49	50	44	48	50	50	48	40	36	38	37	....	50.6
	Minimum	36	38	33	40	40	37	30	33	38	33	27	29	35	40	38	37	40	38	36	38	39	30	32	39	39	36	23	24	20	33	....	34.4
New Martinsville	Maximum	61	65	54	53	58	56	58	56	71	70	45	48	56	39	68	69	66	62	68	77	67	50	56	54	44	53	39	44	43	41	....	56.4
	Minimum	38	36	32	25	27	49	39	42	37	41	26	33	31	18	17	27	34	49	44	50	46	34	38	40	31	29	23	16	30	28	....	33.7
Parkersburg	Maximum	54	56	45	53	56	56	57	53	72	68	44	52	53	37	64	68	68	65	69	75	67	46	53	50	45	54	34	41	44	40	....	54.6
	Minimum	40	38	35	28	37	49	46	47	47	37	31	33	28	22	27	42	52	50	51	63	43	38	42	41	33	34	25	22	36	32	....	38.3
Pickens	Maximum	55	41	40	34	49	50	56	57	63	46	37	40	36	24	39	42	63	61	56	61	57	52	50	45	31	*46*	*33*	35	41	35	....	45.8
	Minimum	31	26	27	17	28	44	43	47	43	33	20	24	24	11	12	32	35	47	42	47	45	37	37	28	25	23	17	9	27	23	....	30.1
Point Pleasant	Maximum	65	55	50	54	59	60	60	56	73	74	48	52	53	45	64	67	65	66	73	76	76	56	54	54	50	50	44	42	44	44	....	57.6
	Minimum	38	41	33	26	38	53	48	50	50	46	31	34	48	22	25	37	44	53	53	60	56	41	40	42	33	37	26	24	33	35	....	39.7
Rainelle	Maximum	64	57	48	52	47	52	52	63	57	60	43	49	47	36	59	65	70	62	62	73	61	58	*45*	48	44	43	39	41	45	46	....	52.9
	Minimum	36	26	31	19	31	41	46	49	41	42	26	23	29	17	13	19	27	38	49	40	41	45	36	33	30	24	20	12	28	30	...	31.4
Spencer [3]	Maximum	55	54	45	53	58	57	61	58	72	67	*51*	53	47	45	65	70	70	62	71	76	61	*53*	53	43	50	55	35	44	45	45	....	55.8
	Minimum	31	35	32	23	34	41	48	49	47	51	30	30	45	19	19	30	39	52	50	54	53	40	40	40	33	30	25	18	32	33	....	36.8
Sutton	Maximum	69	55	52	56	60	60	60	60	69	69	55	52	52	46	67	70	71	71	71	77	77	62	53	53	48	47	46	43	47	50	....	58.9
	Minimum	43	31	37	27	27	48	49	48	46	45	33	28	31	21	18	25	35	46	49	45	48	43	45	40	36	29	27	16	29	30	....	35.8
Wardensville [3]	Maximum	69	63	49	50	52	55	49	67	61	68	45	55	51	34	59	62	74	70	71	76	69	*49*	40	44	48	54	38	42	48	45	....	55.2
	Minimum	46	28	32	24	20	26	43	41	37	42	33	26	33	23	14	19	26	33	34	39	49	36	32	35	37	23	25	21	23	34	....	31.1
Weston	Maximum	70	65	52	59	61	56	60	58	72	68	*60*	46	52	48	62	68	67	64	67	74	70	63	56	52	43	50	43	44	45	40	....	57.8
	Minimum	42	36	38	28	29	52	49	52	47	52	37	38	42	23	24	35	48	48	54	50	52	45	49	43	39	33	31	20	35	38	....	40.3
Wheeling[3]	Maximum	58	55	53	56	64	58	55	54	69	66	46	49	46	38	61	67	65	68	67	74	61	*58*	52	50	46	52	*34*	46	42	46	....	55.2
	Minimum	42	41	37	29	30	31	36	37	38	38	30	29	34	22	22	25	35	53	43	45	58	33	32	42	40	34	26	24	24	34	....	34.8
Williamson[3]	Maximum	58	64	46	60	60	59	62	61	77	68	*54*	57	54	45	67	70	75	61	76	78	64	53	65	*48*	56	51	40	51	56	51	....	59.6
	Minimum	41	36	37	29	30	42	52	54	54	54	36	30	31	28	26	27	31	41	55	51	51	49	48	41	40	36	29	24	29	39	....	39.0

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	54	85	41	53	20	12	34	11	23	83	200	142	206	225	67	19	38	27	15	29	87	85	52	42	98	125	64	118	38	89	....	2,183
Wardensville	Evaporation	.135	.090	.115	.075	.047	.033	.029	.028	.040	.053	.169	.082	.119	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	51	23	37	23	2	27	3	2	10	68	105	37	99	128	41	2	6	16	19	7	31	48	37	5	20	23	43	88	38	42	....	1,080

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 1-8-43—925)

551.65
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. L PARKERSBURG, W. VA., DECEMBER 1942 No. 12

GENERAL SUMMARY

The month was cold and wet. It was the ninth coldest December of record and the coldest since 1935. The minimum temperature for the State, —21°, was the lowest December reading since 1917. With the exception of a very few days, abnormally cold weather prevailed from the 1st to the 22d, while the period 26–30th was unusually mild.

The precipitation for the State averaged 164% of normal, and it was the fourth greatest December total of record and the greatest since 1923. Snowfall was well above the average, with the monthly total the third greatest of record for December. The greatest number of snow-lying days was 29 at Spruce Knob. Heavy rains occurred during the last four days of the month and brought a rapid rise in the Ohio River and its tributaries. The tributaries were at or near flood stage on the 30th and 31st, and the Ohio River was well above flood stage on the 31st, but had reached its crest at Wheeling. Despite thorough preparation which minimized losses, the damage to highways and bridges and to stacked crops was considerable. Employees of industrial plants lost much working time either by the flooding of the plants or by their inability to reach their places of employment because of flooded highways.

Although the growing areas lacked a snow cover during most of the month, there was an ample snow cover during the extremely cold weather. Pastures and winter grains were in good condition at the close of the month. Farm work was impeded by the labor shortage and wet ground.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 31.6°, or 3.2° below the normal. The mean for the northeastern panhandle division was 29.8°; for the northern division, 31.1°; and for the southern division, 32.8°. The highest monthly mean was 36.8° at Coalwood (Fire-Weather Station) and Williamson, and the lowest, 23.6° at Bayard. The highest temperature was 75° at Coalwood (Fire-Weather Station) on the 26th, and the lowest, —21° at McNeill and Seneca State Forest on the 21st.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 123 stations, was 5.42 inches, or 2.12 inches above normal. In the northeastern panhandle division the average was 3.58 inches; in the northern division, 5.80 inches; and in the southern division, 5.76 inches. The greatest monthly precipitation was 8.00 inches at Branchland, and the least, 1.70 inches at Petersburg. The greatest amount in any 24 consecutive hours was 3.30 inches at Branchland on the 30th. The average monthly snowfall was 13.2 inches, or 7.0 inches above the normal. The greatest monthly snowfall was 56.5 inches at Alpena. The average number of days with .01 inch or more of precipitation was 15.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	1	..	..	1	2	1	1	2	5	1	1	1	..	1	1	..	..	..	..	3	3	7	7	7	16	3	3	11	1	3
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	9	18	4	2	..	..	1	..	..	..	1	2	2	..	2	3	4	5	1	1	1	2	1	..	..	1	7	1	..	3	3
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	1	3		..	1	1	..	..	..	..	..	..	..	1	2	..	1	2	1	..	..	..	3	..	..	..	..	..	..	2	..
Thunderstorms	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)					Wind				Mean relative humidity			Percentage of Sunshine
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.11	30.66	20	29.33	1	8.5	31	w.	2	86	73	80	26
Columbus, Ohio	30.10	30.68	21	29.30	1	10.1	39	sw.	22	88	77	84	19
Elkins	30.10	30.79	21	29.08	1	7.6	30	w.	2	87	74	77	27
Huntington Airp't	30.14	30.66	21	29.26	1	......	25	w.	2	84	69	87	....
Parkersburg	30.11	30.71	21	29.23	1	6.5	30	nw.	17	83	69	76	29
Pittsburgh, Pa	30.08	30.66	21	29.07	1	12.2	30	w.	2	86	73	82	26

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	......	..	..	..	..
1892	34.1	72	−10	2.44	2.54	2.59	2.91	......	8	..	..	..
1893	37.1	76	7	.60	2.40	1.54	2.05	......	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	......	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	......	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	......	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
1942	31.6	75	−21	3.58	5.80	5.76	5.42	13.2	15	4	8	19
Period	34.8	83	−37	2.51	3.53	3.27	3.30	6.2	11	9	7	15

Climatological Data for December 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	23.6	−4.5	53	28	−17	21	5.08	+1.24	0.84	2-3	20.0	16	2	6	23	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	......	..	..	....	..	....	......	....	....	....	..	..	..	..	......	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	30.6	−3.6	57	§28	−17	21	2.70	+0.60	.80	20	10.0	7	10	0	21	n.	E. L. Keister
Harpers Ferry	Jefferson	400	53	....	......	..	..	....	..	3.34	+0.73	1.45	30	4.5	12	..	..	..	......	Miss Eleanor White
Inwood	Berkeley	569	10	31.4	......	49	13	−11	21	3.83	......	1.01	30	5.4	13	6	7	18	w.	H. W. Prettyman
Kearneysville	Jefferson	548	12	31.0	−4.3	47	12	−9	20	3.78	+1.37	1.06	30	....	12	5	13	13	w.	University Exper. Station
Martinsburg	Berkeley	435	50	31.7	−2.3	48	11	−2	21	4.03	+1.27	1.55	30	6.0	11	3	15	13	w.	Dr. H. S. Gardner
McNeill	Hardy	800	46	30.0	−2.6	50	24	−21	21	3.06	+1.00	.70	20	10.0	11	4	12	15	w.	R. E. Saville
Piedmont	Mineral	1,053	29	29.4	−3.6	47	24	−7	21	4.42	+2.01	.73	2	11.5	12	4	10	17	w.	C. A. Suter, Jr.
Romney	Hampshire	824	44	30.0	−4.5	49	24	−12	21	3.82	+1.57	.76	30	8.5	10	4	2	25	......	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	22	....	......	..	..	....	..	5.30	+2.06	.77	23	28.5	13	2	1	28	w.	Fred Becker
Wardensville	Hardy	1,200	21	28.8	−4.9	50	24	−18	21	2.84	+1.10	1.15	30	6.5	12	8	10	13	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	......	..	..	....	..	5.75	+2.75	1.52	28	12.2	15	2	10	19	w.	L. Esle Bond
Alpena	Randolph	2,571	11	27.2	−5.1	55	29	−19	21	6.61	+2.77	.80	20	56.5	19	2	7	22	......	Christian Hertig
Benson	Harrison	1,080	18	33.0	−3.2	61	29	−17	21	6.29	+2.80	1.70	30	22.8	18	5	12	14	......	R. D. Marts
Bens Run	Pleasants	652	40	31.8	−3.0	58	27	−4	21	5.67	+2.11	1.53	30	10.8	15	12	9	10	......	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	26.7	......	59	28	−16	21	5.97	......	1.37	30	26.3	14	..	..	..	......	James I. Galloway
Brownsville	Lewis	1,032	19	34.3	−2.3	62	§26	−16	21	6.19	+2.87	1.38	28	11.0	17	2	6	23	......	M. D. Hawkins
Buckhannon	Upshur	1,411	45	33.0	−1.2	60	§26	−14	21	6.00	+1.82	1.40	28	15.5	16	6	4	21	.....	H. A. Darnall
Cairo	Ritchie	680	41	32.4	−2.3	61	28	−13	21	5.54	+2.09	1.14	29	13.0	13	2	4	25	......	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	30.4	−4.8	62	27	−13	21	5.45	+2.37	1.05	30	13.7	16	4	5	22	w.	Clarksburg Water Board
Creston	Wirt	640	40	33.8	−1.5	61	27	−13	21	7.69	+4.22	1.90	23	11.7	17	3	6	22	......	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	......	..	..	....	..	4.57	+1.15	1.03	30	6.5	18	..	..	..	......	Lockmaster
Dam 13 O. R	Marshall	655	26	....	......	..	..	....	..	4.87	+1.89	1.64	30	....	15	..	..	..	......	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	......	..	..	....	..	4.74	+1.61	1.26	30	6.0	18	..	..	..	......	Lockmaster
Dam 19 O. R	Wood	600	26	....	......	..	..	....	..	5.15	+2.02	1.59	30	7.0	16	..	..	..	......	Lockmaster
Dam 20 O. R	Wood	600	26	....	......	..	..	....	..	6.03	+2.89	1.85	30	7.0	16	..	..	..	......	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	30	....	......	..	..	....	..	5.34	+2.21	1.30	29	9.0	13	..	..	..	......	Lockmaster
Elkins	Randolph	1,927	41	31.1	−1.6	60	28	−15	21	5.50	+2.04	.80	29-30	25.9	21	1	5	25	w.	U. S. Weather Bureau
Fairmont	Marion	883	36	31.0	−3.0	58	§28	−8	21	5.14	+1.65	1.20	30	16.1	17	4	6	21	w.	J. C. Robinson
Glenville	Gilmer	738	48	34.2	−1.7	64	28	−13	21	6.60	+2.67	1.42	30	12.1	15	3	13	15	w.	Howard R. Brannon
Grafton	Taylor	1,050	49	3.02	−4.0	60	29	−19	21	5.31	+2.23	1.40	30-31	8.7	13	7	5	19	......	L. W. Clayton
Grantsville	Calhoun	900	1	33.0	......	66	28	−6	21	....	......	....	.....	....	..	2	4	25	n.	James Roberts
Hastings	Wetzel	809	7	....	......	..	..	....	..	7.26	......	2.77	30	10.0	18	4	9	18	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	......	..	..	....	..	5.47	+2.39	1.12	28	11.2	18	..	..	..	......	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	......	..	..	....	..	....	......	....	....	....	..	..	..	..	......	Mrs. Gladys Edmonds
Mannington	Marion	974	39	31.0	−2.6	59	28	−14	21	5.58	+2.01	1.10	30	15.0	20	4	5	22	w.	James A. Morgan
Middlebourne	Tyler	750	1	30.4	......	59	§29	−11	§21	6.54	......	2.76	30	4.0	13	5	3	23	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	49	29.0	−5.4	52	28	−7	21	6.25	+3.15	1.50	23	18.0	11	4	11	16	......	State Horticultural Farm
New Cumberland	Hancock	671	44	29.6	−2.1	57	29	−5	21	4.32	+1.56	1.06	30	6.5	14	8	0	23	se.	C. O. Valentine
New Martinsville	Wetzel	637	48	32.0	−3.3	58	29	−8	21	5.65	+2.09	1.25	29	8.4	15	9	7	15	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	32.2	−3.0	60	27	−6	21	5.16	+2.13	1.94	29-30	11.5	18	5	4	22	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	42	30.6	−1.7	58	29	−17	21	6.11	+2.06	.86	28	19.9	20	6	4	21	......	D. A. Oliver
Philippi	Barbour	1,300	45	....	......	..	..	....	..	6.18	+2.41	1.18	29	19.0	17	..	..	..	......	Mrs. Maxine Leach
Pickens	Randolph	2,760	39	27.8	−4.4	59	29	−14	21	7.64	+2.26	1.18	22-23	46.0	22	5	3	23	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	......	..	..	....	..	5.78	+2.41	1.35	28	12.3	16	2	5	24	......	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	54	30.6	......	60	27	−10	21	6.60	+2.22	1.10	29	16.5	17	5	2	24	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	......	..	..	....	..	6.21	+2.87	2.18	30	7.0	15	..	..	..	......	Edward Hughes
Terra Alta	Preston	2,559	41	....	......	..	..	....	..	....	......	....	....	....	..	..	..	.	......	Lawrence Pritt
Thomas	Tucker	3,000	13	....	......	..	..	....	..	7.57	+3.72	1.00	2	24.0	17	..	..	..	......	W. Sleeman
Valley Chapel	Lewis	1,011	19	33.2	−4.3	61	29	−15	21	6.60	+3.38	1.27	28	21.8	18	4	9	18	w.	S. A. Spence
Wellsburg (near)	Brooke	668	35	29.6	−2.8	58	29	−10	21	3.56	+0.65	1.25	30	6.0	9	6	5	20	......	George P. Pfister
West Milford	Harrison	979	17	....	......	..	..	....	..	6.43	+3.35	1.32	28	18.0	18	..	..	..	......	Scotland G. Highland
Weston	Lewis	1,026	47	34.8	−1.0	62	29	−4	21	6.78	+3.15	.92	28	16.4	18	0	20	11	......	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	55	30.1	−2.5	60	29	−3	21	4.39	+1.41	1.16	30	14.5	14	2	8	21	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	16	....	......	..	..	....	..	4.20	+1.04	.75	20	14.4	14	3	10	18	w.	H. S. Sutton
Beckley	Raleigh	2,440	39	31.7	−2.8	68	26	−7	21	4.69	+1.38	1.12	30	14.3	13	2	11	18	......	L. A. Mauck
Bluefield	Mercer	2,558	47	35.2	−1.7	63	28	2	21	4.87	+1.99	.94	30	13.5	20	9	7	15	......	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	4	33.8	......	70	26	+7	21	6.56	......	1.93	29-30	10.5	15	2	12	17	w.	Civil Aero. Administration
Flat Top	Mercer	3,270	4	28.0	......	60	28	−5	21	6.20	......	1.33	29	15.3	19	3	9	19	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	34.8	−3.0	72	26	5	§21	5.84	+2.47	1.57	2	3.0	15	..	..	..	......	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	....	......	..	..	....	..	....	......	....	....	....	..	..	..	..	......	State Forest Nursery
Hamlin	Lincoln	641	1	....	......	..	..	....	..	....	......	....	....	....	..	..	..	..	......	James J. Jeffries
Hinton	Summers	1,431	45	33.3	−2.5	61	§28	0	21	4.94	+1.76	1.12	30	6.7	14	..	..	..	......	Mrs. M. L. McClung
Huntington	Cabell	571	45	36.6	+1.0	66	27	−2	21	5.72	+2.35	2.03	29-30	10.8	12	1	9	21	nw.	H. N. Robinson
Kayford	Kanawha	1,335	26	....	......	..	..	....	..	6.61	+2.70	2.27	30	13.0	18	..	..	..	......	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,200	42	31.0	−2.2	63	29	−17	21	4.42	+1.31	.89	30	7.8	13	1	15	15	w.	James B. Stuart
Logan	Logan	700	39	36.4	−2.7	70	26	5	§21	6.11	+2.01	1.68	30	6.3	14	2	6	23	......	Paul A. Simonds
London Locks	Kanawha	623	6	34.2	......	59	§25	0	21	6.33	......	1.48	30	8.7	19	0	11	20	......	Lockmaster
Madison	Boone	675	21	34.5	−0.5	69	26	−4	21	7.58	+4.68	2.08	30	3.5	14	1	20	10	......	C. B. Whitlock
Marlinton	Pocahontas	2,125	42	....	......	..	..	....	..	....	......	....	....	....	..	..	..	..	......	Edward A. Moore
Oak Hill	Fayette	1,950	1	31.0	......	64	28	−3	§21	5.34	......	1.13	2	5.5	16	..	..	..	......	W. E. Holy
Pineville	Wyoming	1,350	2	36.3	...	71	26	0	21	....	......	....	....	....	..	3	13	15	......	Charles Dameron
Point Pleasant	Mason	595	43	34.0	−1.8	62	§27	−3	21	5.98	+2.48	1.80	30	8.4	17	9	11	11	se.	E. C. Winger
Rainelle	Greenbrier	2,424	12	30.1	−3.1	60	§29	−10	21	6.69	+3.16	1.60	30	13.5	19	3	1	27	......	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	19	32.8	−5.1	60	28	−12	21	5.97	+2.65	1.93	30	6.0	14	4	4	23	sw.	Lockmaster
Richwood	Nicholas	2,193	12	30.8	−4.3	62	§26	−7	21	5.56	+2.07	.97	2	11.2	14	9	6	16	......	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	..	....	......	..	..	....	..	....	......	....	....	....	..	..	..	..	......	Sattis Simmons
Ryan	Roane	700	39	31.8	−2.7	68	26	−19	21	6.57	+3.32	1.76	30	15.9	15	3	8	20	......	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	3	26.2	......	54	30	−21	21	4.20	......	.87	30	9.0	12	4	4	23	w.	Supt., State Forest
Spencer	Roane	789	38	33.1	−3.4	60	§27	−14	21	7.53	+4.12	1.43	30	15.5	18	0	5	26	sw.	A. M. McKown
Summersville	Nicholas	1,900	6	30.3	......	63	§26	−14	21	6.80	......	1.45	30	13.5	13	3	10	18	......	A. E. Dorsey
Sutton	Braxton	850	36	35.0	−0.2	61	§28	−13	21	6.56	+2.74	1.43	30	19.2	16	..	..	..	......	C. B. Eakle
Union	Monroe	2,200	38	30.2	−3.8	64	28	−12	§21	3.75	+0.83	.75	30	6.0	14	4	7	20	......	C. B. King
Webster Springs	Webster	1,500	10	34.4	......	65	§29	−3	21	3.46	......	1.08	30	12.5	11	4	12	15	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	29.5	−3.6	61	29	−12	21	5.95	+2.85	1.25	31	11.0	16	9	6	16	......	Ashford General Hospital
Williamson	Mingo	673	42	36.8	−0.8	71	26	12	§21	6.59	+2.81	2.25	30	5.0	16	0	11	20	se.	J. E. Dotson
Winfield Locks	Putnam	571	4	33.9	......	64	26	−3	22	6.14	......	1.48	30	8.9	16	5	6	20	se.	Lockmaster
State averages and	extremes	....	....	**31.6**	**−3.2**	**75**	**26**	**−21**	**21**	**5.42**	**+2.12**	**3.30**	**30**	**13.2**	**15**	**4**	**8**	**19**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ᵃ one day, ᵇ two days etc. § Also on other dates.

Daily Precipitation for December 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard²	Potomac		.75	.09			.13			.05					.35		.36		.37		.36	.10		.45	.04		.28		.43	.45	.63	.24	5.08
Brandywine	do	.16	T.				.20										T.				.80		.12			T.	.20			.60	.62		2.70
Brushy Run²	do		.30	T.			.30							.07			.05		.13		.35	.16		.07			.29	T.		.23	.97	T.	2.92
Harpers Ferry²	do		.39	T.			.10			T.							.08		.09		.13	.07		.09			.33		.19	.36	1.45	.06	3.34
Inwood	do	*	.67				.08			.05							.02		.05		.30		.08				.10	.25	.30	.92	1.01		3.83
Kearneysville	do	.16	.52				.11							.02			.07		.07		.24		.07				.43		.40	.63	1.06		3.78
Knobly Mountain²†	do		.70	T.			.22			T.				T.			.18	T.	.15		.44			.40			.26	.10	.42	.30	1.10	T.	4.27
Martinsburg²	do		.75	T.			.10			T.							T.		.40		.10	.01		.02			.22		.15	.65	1.55	.08	4.03
McNeill†	do	.12	.35				.15			T.						T.	.06		.12		.70		.11	T.		T.	.12	T.	.10	.65	.58		3.06
Petersburg	do	.10	.14				.21										.09		.04		.41								.03	.14	.54		1.70
Piedmont	do	.14	.73	T.			.18			T.				T.			.07	T.	.30	T.	.55		T.	.20			.21	.30	.53	.58	.63	T.	4.42
Romney	do	.38	.33				.15			T.									.15		.51			.25			.20		.41	.68	.76		3.82
Spruce Knob²†	do		.27	.07			.06			T.			T.	.08	T.		.02	T.	.12	.06	.37	.08		.29			.15	T.	.29	.26	.92	.26	3.30
Stony River Dam²†	do		*	.60										.40			.27		.50		.75	.20		.77			.33		.38	.35	.50	.25	5.30
Wardensville²	do		.39				.14							.02			.03		.02		.23	.06		.21			.29	T.	.06	.24	1.15	T.	2.84
Northern Division																																	
Aberdeen†	West Fork	.08	.61	T.			.18			T.				.10	T.	T.	.45	T.	.11		.50		.33	.24		.18	.02	T.	1.52	.54	.80	.09	5.75
Alpena	Cheat	.45	.50				.10			.15		T.	.25	.15	T.	.20	.30	.20			.80	.65	.16	.70			.28	.05	.34	.44	.49	.40	6.61
Belington²	Tygart		.70	.12	T.		.21	T.		.02	.01		.03	.07	.02		.66	T.	.19	T.	.36	.19		.64	.01		.21		.28	.76	.73	.68	5.89
Benson†	West Fork	.08	.72				.08			.05			.03	.07			.25		.10		.50		.30	.20	.02		.20	.02	1.04	.48	1.70	.45	6.29
Bens Run	Ohio	.38	.05				.10			.09			.07			.13		.20			.18		.60	.11			.12		.64	1.45	1.53	.02	5.67
Big Skin Creek†	West Fork	.20	.32	.02			.13							.12		.55	T.	.08			.77		.35	.26		.05	.07	T.	1.35	.64	.80	.10	5.81
Brownsville†	do	.07	.70				.08							.05			.42		.10		.77	.45	.35	.29		.03	.06	.04	1.38	.68	.58	.14	6.19
Buckhannon	Tygart	.20	.20				.10			.20				.10		T.	.60	T.	.05		.70		.38	.25		.12	.12	T.	1.40	.65	.78	.15	6.00
Cairo	Litl.Kanawha	.08	.90				.22							.05			.15		.11		.50		.14	.40			.23		.52	1.14	1.10		5.54
Clarksburg²	West Fork		.65	.05			.11			T.	.05		.07	.08			.23		.15		.30	.05		.57			.32		.69	.41	1.05	.67	5.45
Crawford	do	.22	.37				.18			.03				.08		.11	.38	.08			.68		.28	.24			.11	T.	1.26	.63	.70	T.	5.35
Creston²	Litl.Kanawha		1.10	.01		.01	.23				T.		.02	.01	T.		.25	T.	.09		.47	.01		1.90	.05		.11		.33	.60	1.70	.80	7.09
Dailey²†	Tygart		.59	.02			.22	T.		T.	T.		.06	.10	T.		.28	T.	.20	T.	.53	.27		.70	T.		.42		.02	.34	.41	.22	4.38
Dam 10, Mon. R.²†	Monongahela		.66	.03			.11			.01	.04		.05	.09	.01		.16		.12		.10	.09		.50			.05		.42	.37	1.03	.73	4.57
Dam 13, O. R.²†	Ohio		.96	.06			.02			.07				.13			.09		.03		.10			.45	.01		.17		.32	.26	1.64	.56	4.87
Dam 15, Mon. R.²†	Monongahela		.62	.03			.12			.02	.04	T.	.05	.05	.01		.15		.12		.10	.10		.50			.15		.50	.40	1.26	.52	4.74
Dam 19, O. R.²†	Ohio	.02	.77	.01			.12			.01			T.	.01	T.		.02		.02		.21	.02		.60			.25		.33	.45	1.59	.72	5.15
Dam 20, O. R.²†	do	T.	.90	.04			.12					T.	.02	.04			.02	.16	.05		.24	.09		.47			.14		.28	.42	1.85	1.19	6.03
Elizabeth (Dam 3)²	Litl.Kanawha	.34	.40				.15						.05				T.		.16		.34			.45	.08		.20		.57	1.30	1.20	.10	5.34
Elk†	West Fork	.40	.05				.20							.40			.40		.08		.26			.60			.20		1.50	.68	.65	.05	5.47
Elkins¹‡	Tygart	.57	.26			.16	.05	T.	T.	.06		T.	.12	.03	T.	.37	.20	.11	.08	.08	.65	T.	.58	.12		.30	.01	.04	.50	.53	.68	T.	5.50
Fairmont²	Monongahela	T.	.56	.25			.20			.02			.20	.05	.02		.12		.15		.40	.10		.54			.17		.56	.39	1.20	.21	5.14
Glenville²	Litl.Kanawha		.81	.10			.27						.17	.11	.06		.45		.27		.82			.52			.19	T.	.56	.11	1.42	.74	6.60
Grafton	Tygart	T.	.62				.16				.06		.07		.06		.29			.12	.39			.61			.30		1.23		1.26	.14	5.31
Hackers Creek†	West Fork	.20	.43			.10	.10			.01				.05			.10	T.	.10		.45		.35	.10		.23		.18	1.03	.88	.93	.10	5.34
Hall²	Tygart		.69	.06			.21	T.		.02	T.		.02	.09	.01		.51	T.	.15	T.	.34	.07		.66	.03		.18		.54	.87	.78	.58	5.81
Harrison Co. Airport²	West Fork	.65	.21			.06	.02		T.	.04		.06	.03	T.		.19	.03	.15	T.	.03	.08		.53	.06		.32		.10	1.11	.92	.80	.01	5.40
Hastings	Ohio	.14	.80				.12			.10			.08	.06			.19	T.	.14		.26		.28	.40		.08	.12	.05	.77	.62	2.77	.28	7.26
Horner	West Fork	.15	.20							.40				.20		.12	.05	.13	.10		.25								1.50	1.40	.30	.40	5.20
Ireland	do	.17	.15	.16						.10		.08	.06	.12			.50				.65		.20			.25	.15	.20	.75	.65	.16		4.35
Jane Lew	do	.07	.64				.09			.05			.05	.05			.38	.02	.11		.35		.31	.25			.28	.02	1.12	.58	1.00	.10	5.47
Kumbrabow St. For.†²	Tygart	*	.81				*			.10				.60				.20	*	*	1.80		.70	.75		.12	.06	.05	.49	.57	.55	.10	6.90
Lost Creek (near)	West Fork																																....
Mannington	Monongahela	.26	.58				.10			.06			.03	.10		.08	.15	.17	.10		.24		.45	.14		.05	.10	.02	.73	1.07	1.10	.05	5.58
Middlebourne	Middle Is. Creek		.73				.10			.12				.05			.16		.09		.21			.60		.14			.44	.36	2.76	.78	6.54
Midvale²†	Tygart		.68	.08	T.		.16			.08	.02		.06	.09	.07		.65	.03	.08		.22	.13		.72	T.		.31		.16	1.04	.72	.37	5.67
Morgantown	Monongahela	.45	.10				.20				T		T	.30			.35				.70		.25	1.50				1.30	.75		.35		6.25
Mt. Clare	West Fork	.28	.32				.21			.05			.06	.01	T.	.04	.16		.10		.46		.37	.10		.24	.04	.03	.42	.88	1.34	.06	5.17
New Cumberland	Ohio	.55	T.				.04			.03						.10	.02	.53			.04		.26			.04	.04	.03	.74	.84	1.06		4.32
New Martinsville	do	.41	.44				.08			.05		T.	.03	.12		.11		.17			.26		.57	.12		.11			.74	1.25	1.19	T.	5.65
Parkersburg¹‡	do	.72	.06			.08	.02	T.		.01	T.	.02	.02	T.	T.	.02	T.	.18		.13	.23		.54	.01	T.	.22		.03	.56	1.52	.79	T.	5.16
Parsons	Cheat	.17	.76	.04			.23			.10			.03	.20		.02	.51	.04	.23		.63		.35	.36		T.	.20	.03	.86	.57	.66	.12	6.11
Philippi²	Tygart		.50	.07			.19	T.		.04	.01		.03	.08	T.		.48	T.	.12		.30	.13		.60	T.		.35		.73	1.18	.76	.61	6.18
Pickens	do	.53	.65	.25			.13			.15				.55	.10	.15	.41	.20	.13	.10	1.00		.56	.62		.18	.12	.10	.44	.52	.55	.20	7.64
Roanoke	West Fork	.16	.39				.18						.03	.06			.55		.70		.12		.36	.23		.10	.14		1.35	.64	.74	.03	5.78
Rockford†	do	.26	.59				.19					T.		.06	.03	T.	*	.40	T.		.42		.35	.23		.13	.14	T.	1.28	.83	.67	T.	5.58
Rowlesburg²	Cheat		.70	.10			.25	T.		.04	.20		.09	.16	T.		.40	T.	.35	T.	.20	.11		.78	T.		.35	T.	.50	1.10	.95	.32	6.60
Saint Marys²	Ohio		.77	.04			.05						.10	.10				.04	.28		.30	.03		.62			.17		.34	.44	2.18	.75	6.21
Salem	West Fork	.30	.48				.11			.05				.08	.06		.22	.05	.16		.35		.38	.14			.30	.04	.80	1.05	1.08	.10	5.75
Shinnston	do	.40	.10				.30	.15						.01			.33	T.	.30		.10	.15	.60	.50					.65	1.00	1.75	.05	6.39
Terra Alta†‡	Cheat																																....
Thomas²	do		1.00	.25	T.			.26		T.	.16				.36		.77	.10	.38	.03	.40	.22		.86	.02		.87		T.	.55	.48	.86	7.57
Valley Chapel	West Fork	.10	.58	.15			.20			.07			.04	.23			.35		.33		.51		.35	.31	T.	T.	.28	.04	1.27	.42	1.22	.15	6.60
Valley Head²	Tygart		.96	.19			.26		T.	.03	T.		.13	.12	.05		.35	.01	.27	.05	.42	.38		.68	.10		.24	T.	.04	.30	.49	.69	5.76
Vandalia†	West Fork	.26	.32				.20			.21				.16		.05	.37		.10		.76		.35	.26		.22			1.41	.60	.57	.12	5.96
Wellsburg (near)	Ohio	.15	.48											.05				T.	.10				.11	T.		T.	.27	T	.65	.50	1.25		3.56
West Milford	West Fork	.20	.45				.18				.05		.05	.30		.04	.05	.04	.35		.70		.42	.20			.33	.05	1.32	.85	.85		6.43
Weston²	do		.62	.25			.18			.02	T.		.05	.10	.02		.43		.12	T.	.48	.28		.60	.02		.28		.92	.87	.90	.64	6.78
Wheeling (Dam 12)²	Ohio		.65	.04			.08			.01				.15			.04		.18		.09	T.		.45			.23		.45	.26	1.16	.60	4.39
Southern Division																																	
Arbovale²	Greenbrier	.64	.20				.12			.02			T.	.10		T.	.12	.20			.75		.35			.15		.08	.30	.60	.57		4.20
Beckley	New	.83				.12		T.	.14	T.				.18			.56	.11			.22		.42	.09		.17		.10		.63	1.12		4.69
Bluefield	New	.28	.58	.42	.05		.10		.47	.05	T.		.12	.05			.40	.05	.02		.43		.15	.14			.14		.02	.44	.94	.02	4.87
Camden-on-Gauley²	Gauley	.48	1.02	.06			.26				.04		.09	.04	.03		.36	.16			.35	.37		.60			.25		.08	.44	.92	.54	6.09
Charleston (Airport)⁴	Gr. Kanawha	1.12	.05			.11				T.		T.	.04	T.		.69	.05	.06		.40	.29		.43	.09		.11	T.	T.	.68	1.25	1.19		6.56
Clay²	Elk		.74	.04			.18			.09	T.		.07	.03	.01		.38	.11	.19		.71	.14		.37	.05	.07	.12		.04	.55	1.06	1.12	6.07
Flat Top⁴	New	1.14	.11			.29	.11	.12		.04		.19	.04	T.		.40	.18	.11	T.	T.	.44		.60	.12		.26		.03	.10	1.33	.59		6.20
Gary²	Big Sandy		1.57	T.			.51		.10			.01	.15				.53		.02		T.	.24		.40			.35		T.	.42	1.09	.45	5.84
Greenbottom²†	Ohio	.90	.50	.50	T.	T.	.75	T.		T.																							....
Hinton²	New		.89	.08			.42	T.	.10	T.			.11	T.			.31	T.	.08		.27	.23		.55			.18			.34	1.12	.26	4.94
Hogsett²	Ohio	T.	.84	.03			.16			T.	.01	T.	.02	.04			.07		.01		.24	.01		.62	T.		.15	.01	.21	.58	2.30	.89	6.19
Huntington	do	.73	.32			T.	.16					T.	T.	.03		T.	T.	.06		T.	.60		.55	.05			.15		.64	.88	1.55		5.72
Kayford²	Gr. Kanawha		1.24	.11			.15		.15	.03	.02		.14	.10			.71	.01	.03		.32	.07		.67					.03	.34	2.27	.22	6.61
Lewisburg	Greenbrier	.45	.80			T.	.48		.05								.21	.10			.45		.22	.25		.12	.12			.28	.89	T.	4.42
Logan²	Guyandot		1.07	.05			.23	T.	T.	T.	T.		.03	.01	T.		.81	T.	T.		.13	.21		.77			.04	T.	.08	.62	1.68	.37	6.11
London Locks²†	Gr. Kanawha		.93	.02			.23	.02		T.	.03		.06	.02			.41		.07		.30	.15	.32	.55	.06		.18	T.	.03	.36	1.48	1.11	6.33
Madison²	Coal	.49	1.25	.04			.35	.26			.02						.83		.03		.39			*			.68		.16	.50	2.08	.50	7.58
Marlinton	Greenbrier																																...
Pineville	Gr. Kanawha																.68		.26					.86			.12		.09	.70	1.45	.30	[illegible]
Point Pleasant²	Ohio	.02	.85	.01			.20			T.	T.	.02			.01		.02		.03		.52	.01	T.	.66	.02	T.	.16	T.	.34	.46	1.80	.85	5.98
Princeton²	New	.43	.07	T.	T.	T.	T.		T.	T.	T.	.11					.32		.07	T.	T.	.17	T.			T.				1.41	.22	.17	....
Rainelle	Greenbrier	.69	.72			.02	.27	T.	T.	.02				.31	.04		.51	.11			.51		.28	.42		.10	.14	.05	.13	.65	1.60	.12	6.69
Ravenswood²	Ohio		.76				.10			.03		T.	.04	.04			.15		.02		.28			.55	T.		.15		.20	.55	1.93	1.17	5.97
Richwood²	Gauley		.97	.12			*			*			.62	.05			.45		.09		.44			.70	.09		.27			.41	.55	.80	5.56

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Daily Precipitation for December 1942—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	.81	.20	....	....	....	.33	....	....	.04	....	....	...	.07	....	....	.33	.11	....	....	.75	....	.45	.18	....	.08	....	....	.69	.70	1.76	.07	6.57
Seneca State Forest†	Greenbrier	....	.30	....	....	....	.38	....	....	T.	....	....	....	.19	....	....	.30	....	....	....	.60	....	.22	.24	....	.10	....	.20	.27	.53	.87	T.	4.20
Spencer[2]	Litl.Kanawha	....	1.07	.20	....	....	.10	....	....	.24	....	.01	T.	.10	....	....	.17	....	.20	....	.70	.30	....	1.01	.02	....	.27	.02	.54	.43	1.43	.72	7.53
Summersville[2]	Gauley	....	.85	.15	....	....	.37	....	....	....	....	....	.15	.15	....	....	.60	....	.15	....	.70	.20	....	.67	....	....	....	....	T.	.56	1.45	.80	6.80
Sutton	Elk	.17	.52	....	....	....	.10	....	....	T.	....	....	T.	.10	....	....	.42	.12	.12	....	1.20	....	.32	.22	....	.05	.12	....	.83	.71	1.43	.13	6.56
Thornwood[2]	Greenbrier	.49	1.22	....	....	....	.15	....	.05	....	....	....	.10	.36	.12	....	.35	.40	.50	....	.59	....	.35	.40	....	....	....	.10	.60	.85	1.02	.27	7.92
Union[2]	New	....	.60	....	....	....	.20	....	.20	....	....	....	.05	.05	....	....	.45	....	.10	....	.10	.30	....	.30	....	....	.20	....	....	.15	.75	.30	3.75
Wayne[2]	Twelvepole	....	1.15	....	....	....	.23	....	....	....	....	....	....	....	....	....	.45	T	.05	....	.31	.04	....	.42	....	....	.30	....	.70	.27	2.85	....	6.77
White Sulp'r Spgs.[2]	Greenbrier	....	.80	.20	....	....	.20	.10	....	.05	....	....	.10	....	....	....	.55	....	.20	....	.20	.25	....	.65	....	....	.25	....	.05	.10	1.00	1.25	5.95
Williamson[2]	Big Sandy	T.	1.06	.02	....	....	.29	....	....	.02	....	....	.03	.02	....	....	1.01	....	.02	....	.15	.01	....	.75	....	....	.04	....	.12	.62	2.25	.18	6.59
Winfield Locks[2]†	Gr. Kanawha	....	.95	T.	....	....	.15	....	....	.03	....	....	.03	.02	T.	....	.23	...	.04	....	.40	.13	....	.46	.02	....	.08	....	.30	.50	1.48	1.32	6.14

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. |||| Incomplete.

Daily Temperatures for December 1942

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	45	22	20	23	28	30	33	35	32	42	40	40	*23*	30	43	21	25	27	25	*18*	26	45	35	45	47	37	52	53	42	41	33	34.1
	Minimum	20	17	0	0	10	17	21	4	3	14	15	23	9	4	4	18	8	11	18	6	-17	-16	5	28	15	15	30	30	40	30	23	13.1
Beckley	Maximum	43	44	29	28	32	35	34	34	34	42	44	35	29	32	47	36	43	44	33	29	28	44	44	49	48	68	54	64	59	57	51	41.7
	Minimum	30	7	0	7	10	23	24	26	28	27	34	27	8	4	24	16	9	26	20	10	-7	14	36	24	26	41	35	38	50	30	26	21.7
Bluefield	Maximum	46	48	25	30	32	*38*	42	33	36	42	43	43	*42*	42	48	50	35	42	36	*35*	37	46	48	50	*52*	60	*54*	63	61	61	39	43.8
	Minimum	39	14	8	16	18	*27*	27	28	30	30	37	35	*22*	7	28	21	14	30	27	*14*	2	20	36	28	31	*40*	36	*45*	55	34	29	26.7
Brandywine	Maximum	45	40	34	32	33	34	38	41	42	43	44	47	38	30	42	40	25	40	39	30	28	36	42	50	45	42	40	57	57	48	52	40.5
	Minimum	24	14	10	15	18	20	23	25	27	20	26	31	15	7	22	23	7	25	18	8	-17	5	15	27	19	34	35	36	40	35	37	20.8
Buckhannon	Maximum	50	40	30	30	30	35	34	42	42	45	45	43	40	*27*	43	40	34	40	33	30	20	45	45	43	47	60	57	60	58	60	59	42.2
	Minimum	28	13	8	13	13	27	28	19	23	28	29	29	14	10	27	23	13	30	26	13	-14	9	36	36	25	40	45	52	35	30	29	23.8
Cairo	Maximum	45	40	22	28	32	32	40	42	45	45	47	45	42	26	44	44	30	43	39	29	31	33	37	40	43	57	59	61	60	60	38	41.3
	Minimum	26	18	9	10	10	27	29	18	33	27	31	25	14	3	26	22	13	27	26	15	-13	10	33	33	24	37	34	50	50	34	32	23.6
Charleston (Airport)	Maximum	48	32	25	33	34	35	37	46	41	48	49	50	24	36	51	32	47	42	32	24	31	45	42	47	47	70	61	64	60	56	38	42.8
	Minimum	32	11	10	11	15	28	27	23	32	29	36	23	9	7	31	14	10	28	21	-2	-7	21	35	32	30	43	50	53	54	36	24	24.7
Clarksburg[3]	Maximum	46	26	*24*	28	30	36	34	43	37	45	44	43	*29*	35	43	28	43	34	28	*25*	25	44	40	42	42	54	62	61	58	*51*	*42*	39.4
	Minimum	26	24	9	9	17	15	28	22	21	29	26	29	16	5	8	27	18	16	25	14	-13	-12	10	34	25	25	41	44	51	42	31	21.4
Elkins	Maximum	46	30	22	27	32	31	35	43	36	45	44	42	24	32	49	37	42	39	29	18	29	46	44	47	40	53	58	60	60	51	32	39.5
	Minimum	27	8	6	15	20	25	27	16	32	26	37	24	11	8	32	17	14	28	17	-8	-15	19	35	28	21	38	40	52	51	30	23	22.7
Fairmont[3]	Maximum	42	40	25	32	30	38	36	45	36	44	45	47	*26*	34	40	26	40	35	28	*24*	29	43	44	43	43	52	55	58	58	*54*	*42*	39.8
	Minimum	28	24	8	10	15	20	28	19	19	28	28	26	15	7	8	25	16	18	24	12	-8	-7	21	35	27	28	40	44	54	42	30	22.1
Flat Top	Maximum	41	24	19	26	32	36	27	28	31	37	38	39	19	26	45	34	37	38	29	23	20	42	40	49	50	52	45	60	56	47	29	36.1
	Minimum	24	2	0	9	13	22	23	23	25	25	33	19	6	3	24	10	8	24	22	3	-5	11	30	25	30	37	32	45	46	27	17	19.8
Gary[3]	Maximum	50	30	28	35	37	*35*	37	*43*	42	47	47	48	*35*	38	54	28	47	38	38	24	39	51	43	49	57	72	60	67	61	*52*	43	44.4
	Minimum	30	27	6	8	16	18	*31*	32	*32*	29	30	35	16	10	10	27	13	14	24	23	5	5	24	30	30	36	45	48	52	38	34	25.1
Glenville	Maximum	46	45	26	33	34	41	39	43	39	47	47	48	40	29	46	48	34	45	35	32	29	45	42	46	42	63	62	64	58	57	37	43.3
	Minimum	26	15	10	12	13	28	30	20	34	29	39	26	14	6	28	23	13	32	27	14	-13	9	34	35	27	39	39	52	51	33	33	25.1
Grafton	Maximum	51	51	23	28	30	32	38	45	45	47	47	45	45	24	40	41	30	42	34	28	35	43	43	48	48	54	53	59	60	53	35	41.8
	Minimum	20	7	9	16	10	20	22	11	25	21	31	21	7	1	17	15	9	21	18	6	-19	6	30	29	18	33	34	43	45	26	21	18.6
Huntington	Maximum	44	44	25	36	33	39	37	46	41	46	46	48	42	33	54	51	47	47	36	29	32	41	40	43	43	64	66	62	59	58	38	44.2
	Minimum	31	17	11	17	22	29	30	27	37	29	35	29	17	13	31	26	17	34	29	19	-2	23	37	36	31	40	52	54	54	38	36	29.0
Lewisburg	Maximum	45	42	38	33	31	29	33	34	36	40	41	45	41	30	46	47	33	42	35	33	26	33	40	49	45	53	45	61	63	59	37	40.8
	Minimum	24	11	3	6	15	14	25	23	29	25	27	32	12	5	29	18	12	29	21	15	-17	1	32	21	22	37	36	36	48	35	30	21.2
Logan[3]	Maximum	50	*32*	*31*	36	34	35	37	44	45	49	49	51	*32*	37	55	34	49	39	37	*29*	41	47	42	44	55	70	62	66	62	*53*	*44*	44.9
	Minimum	32	31	12	12	18	20	31	32	33	32	32	32	18	13	13	29	17	17	29	25	5	5	38	35	35	38	47	50	53	44	36	27.9
Madison[3]	Maximum	50	29	29	33	*34*	33	37	*44*	45	49	49	48	*29*	42	53	33	49	38	34	32	44	51	48	48	54	69	63	66	*62*	60	*44*	45.1
	Minimum	26	26	9	10	15	*14*	22	27	*28*	26	30	29	16	11	13	26	12	14	25	17	-4	-3	38	32	30	34	42	50	51	*42*	34	23.9
Mannington	Maximum	46	45	21	29	29	37	36	41	39	43	44	42	37	25	39	37	29	41	35	26	25	43	42	41	41	53	55	59	58	49	34	39.4
	Minimum	25	11	8	11	12	23	26	15	33	24	35	26	13	1	25	21	14	28	23	10	-14	5	31	34	23	37	44	46	47	32	30	22.6
Marlinton	Maximum	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	..	..	..	..	..	..	..	..	..	....
Martinsburg[3]	Maximum	43	36	30	37	40	40	41	40	44	43	48	45	*37*	38	44	34	40	40	33	*29*	22	34	43	46	41	43	37	40	40	45	42	39.2
	Minimum	27	30	16	16	20	25	30	24	31	27	30	37	23	18	17	32	22	20	29	14	-2	1	12	31	25	25	33	34	35	34	34	24.2
Morgantown	Maximum	50	35	21	36	36	32	35	36	38	38	42	40	40	27	38	35	*36*	25	33	26	21	44	41	40	39	*48*	*50*	*52*	*51*	*50*	40	37.9
	Minimum	30	9	7	10	15	10	12	15	16	33	33	33	12	6	26	18	12	15	15	9	-7	19	32	33	33	35	36	28	30	25	27	20.2
New Martinsville	Maximum	43	44	23	31	31	39	37	42	39	44	43	41	37	28	40	37	40	41	35	26	28	39	40	40	39	54	57	57	58	57	50	40.6
	Minimum	26	10	6	12	13	24	27	19	28	27	31	27	12	5	25	22	18	25	21	5	-8	11	33	33	25	35	38	47	47	43	35	23.3
Parkersburg	Maximum	43	33	21	32	31	36	36	40	40	46	44	39	21	33	44	33	43	38	29	19	26	43	40	42	39	56	60	59	58	49	37	39.0
	Minimum	33	11	9	15	20	26	29	22	33	31	33	21	13	10	33	20	18	28	19	0	-6	23	35	30	26	39	48	53	49	34	33	25.4
Pickens	Maximum	41	37	25	26	39	35	33	43	33	41	39	40	35	21	44	41	44	38	27	25	30	43	42	45	43	50	51	55	59	56	*25*	38.9
	Minimum	23	5	-5	5	5	21	20	21	26	17	21	12	3	-4	13	11	1	20	17	10	-14	8	30	25	22	35	35	38	48	25	26	16.6
Point Pleasant	Maximum	40	42	42	31	32	39	35	42	43	44	45	45	41	29	47	47	28	37	37	28	28	31	38	39	38	54	62	62	62	59	*41*	41.5
	Minimum	30	16	11	16	20	20	29	24	35	30	33	29	15	12	29	24	16	27	27	15	-3	21	25	34	29	37	48	50	52	37	35	26.5
Rainelle	Maximum	41	46	23	24	33	34	32	37	35	38	41	44	39	27	47	48	32	40	31	27	22	36	37	51	42	50	48	57	60	60	32	39.2
	Minimum	28	10	-4	6	9	25	25	28	28	25	30	29	10	2	18	14	7	26	19	12	-10	14	33	27	26	25	35	37	48	32	27	21.0
Spencer[3]	Maximum	48	32	*24*	31	32	38	35	42	40	45	46	45	*25*	38	50	28	43	37	30	*26*	35	44	38	43	*46*	58	60	60	59	*52*	*48*	41.1
	Minimum	30	24	8	11	14	26	27	21	34	28	31	25	13	4	*25*	26	13	28	26	15	-14	15	35	34	26	29	46	51	52	43	32	25.1
Sutton	Maximum	52	52	26	32	34	35	36	40	41	47	52	52	50	30	51	51	32	40	49	37	27	45	45	48	48	60	60	61	61	60	46	44.9
	Minimum	26	16	9	15	12	28	27	20	29	28	29	30	14	8	29	24	11	31	30	16	-13	6	35	35	28	40	46	50	48	34	35	25.0
Wardensville[3]	Maximum	43	31	35	36	38	39	37	37	42	43	46	47	*28*	38	43	*37*	41	40	35	*21*	28	43	47	50	45	37	38	43	40	45	42	39.0
	Minimum	23	26	14	11	17	21	28	16	17	19	23	28	19	12	17	*21*	11	11	21	11	-18	-10	14	25	18	20	29	29	36	33	33	18.5
Weston	Maximum	48	44	29	30	35	48	45	34	38	44	42	41	40	30	43	41	42	40	35	30	19	46	45	44	46	45	60	61	62	48	36	41.7
	Minimum	34	28	8	17	18	27	28	19	33	30	38	34	19	9	25	25	19	30	28	18	-4	10	42	40	24	42	40	56	59	31	34	27.8
Wheeling[3]	Maximum	45	*32*	*23*	31	30	37	37	39	42	43	42	38	*31*	34	40	26	30	32	25	*21*	27	41	38	38	37	48	54	57	60	*47*	44	37.6
	Minimum	32	23	9	9	14	19	27	18	23	27	27	31	14	9	10	23	18	21	21	13	-3	-2	27	35	29	30	36	42	47	37	34	22.6
Williamson[3]	Maximum	50	*33*	*30*	36	34	34	38	42	41	47	48	50	*33*	37	55	33	50	44	37	25	40	45	42	58	57	71	62	65	60	*53*	44	45.0
	Minimum	33	30	14	15	20	24	31	31	31	32	32	33	20	14	14	27	19	20	30	23	12	12	31	35	35	37	45	52	53	44	37	28.6

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 1-26-43—925)

1.05
WE

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CLIMATOLOGICAL DATA

40 WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. L PARKERSBURG, W. VA., YEAR 1942 No. 13

GENERAL SUMMARY

The year averaged exactly normal as to temperature. Five months, January, February, August, September, and December, were below normal, while the remaining months were above normal.

The mean annual precipitation, 48.42 inches, was 5.36 inches above the normal and was the seventh greatest of record. It was the largest annual average since 1937. The first four months were dry, having only 69 percent of the normal precipitation. With the exception of a small minus departure in July, the remaining months were well above normal in precipitation. August and December were particularly wet. The Potomac River was in flood October 14-17th, causing much damage to homes and crops. The Ohio River was in flood and still rising at the close of the year. Considerable damage was done, particularly to field-stored crops. Heavy snows on March 2-3d caused considerable damage to power and telephone lines around Charleston. Except for the period January 10-18th, the navigation on the Ohio was unimpeded by ice during the calendar year.

March and April were good ground preparation and seeding months, with the season advancing normally until the last decade in April when droughty conditions set in with their accompanying forest fire hazards. Very serious fires broke out in Logan, Mingo and McDowell Counties, and numerous smaller fires started in other parts of the forested areas. The rains of the first decade in May effectively quenched these fires. The frequency of the rainy days during the harvest season was such as to greatly hinder the curing of hay and grain crops. However, the abundance of moisture during the growing season was a main factor in producing the record and near record yields of grain and forage crops secured during the past crop year.

C.L.W.

MONTHLY EVAPORATION FOR 1942

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	4.224	4.529	4.854	5.020	3.676	2.603	1.740
	Wind movement, miles..	1,907	946	727	725	475	397	997
Wardensville....	Evaporation, inches	5.019	5.380	5.548	6.654	4.803	3.841	2.960
	Wind movement, miles..	1,708	1,164	914	861	221	273	660

MONTHLY STATE DATA FOR 1942

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January...	30.7	−1.9	67	−23	2.02	−1.58	5.6	8	10	8	13	w.
February..	29.3	−4.0	66	−14	2.22	−.90	6.9	10	8	6	14	w.
March.....	44.1	+1.7	89	0	3.64	−.25	15.5	12	9	10	12	w.
April	54.7	+2.9	97	13	1.86	−1.66	.5	7	15	8	7	w.
May	63.5	+1.8	98	27	4.61	+.66	.0	11	10	11	10	w.
June.......	71.4	+1.7	99	35	5.17	+.69	.0	14	9	13	8	w.
July	73.9	+0.7	103	41	4.44	−.18	.0	12	13	12	6	w.
August	71.1	−0.7	100	30	7.22	+3.08	.0	14	9	12	10	w.
September.	65.1	−1.3	98	15	3.97	+1.07	.0	11	12	10	8	w.
October ...	55.8	+1.1	87	11	4.04	+1.18	T.	10	13	8	10	w.
November.	44.7	+1.5	80	9	3.81	+1.06	.2	12	8	8	14	w.
December .	31.6	−3.2	75	−21	5.42	+2.12	13.2	15	4	8	19	w.
Annual....	53.0	0.0	103	−23	48.42	+5.36	41.9	136	120	114	131	w.

KILLING FROSTS—1942

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Alpena	Apr. 25	Sept. 22	Mannington..........	Apr. 23	Sept. 25
Bayard	May 26	Aug. 25	Marlinton	Apr. 25	Sept. 27
Beckley	Apr. 23	Sept. 29	Martinsburg	Apr. 14	Sept. 30
Benson	Apr. 23	Sept. 29	McNeill	May 11	Sept. 25
Bens Run	Apr. 20	Sept. 28	Middlebourne........	Apr. 24	Sept. 29
Bluefield	Apr. 20	Sept. 29	New Cumberland	Apr. 22	Sept. 29
Brandonville..........	Apr. 26	Sept. 22	New Martinsville	Apr. 21	Sept. 28
Brandywine	May 11	Sept. 22	Parkersburg	Apr. 13	Oct. 27
Brownsville	Apr. 23	Sept. 29	Parsons	Apr. 23	Sept. 29
Buckhannon	May 11	Sept. 30	Pickens...............	May 17	Sept. 29
Cairo	Apr. 23	Sept. 25	Piedmont	Apr. 22	Sept. 29
Charleston (Airport)..	Apr. 22	Sept. 29	Point Pleasant	Apr. 20	Oct. 27
Clarksburg	Apr. 23	Sept. 29	Rainelle	May 10	Sept. 29
Creston................	Apr. 23	Sept. 29	Ravenswood	Apr. 22	Sept. 28
Elkins..................	Apr. 22	Sept. 29	Richwood	....	Sept. 29
Fairmont	Apr. 21	Sept. 29	Romney..............	Apr. 14	Sept. 29
Flat Top	Apr. 23	Sept. 28	Ryan	Apr. 23	Sept. 25
Gary	Apr. 22	Sept. 29	Seneca State Forest ..	May 26	Sept. 21
Glenville	Apr. 22	Sept. 28	Spencer	Apr. 22	Sept. 28
Grafton	Apr. 23	Sept. 29	Sutton................	Apr. 23	Sept. 29
Grantsville............	Apr. 23	Sept. 28	Terra Alta............	Apr. 26	Sept. 21
Greenbottom	Apr. 21	Sept. 29	Union	May 10	Sept. 29
Hinton	....	....	Valley Chapel........	Apr. 22	Sept. 25
Huntington	Apr. 12	Sept. 29	Wardensville.........	Apr. 23	Sept. 29
Kearneysville.........	Apr. 14	Sept. 29	Wellsburg	Apr. 23	Sept. 29
Lewisburg.......... ...	Apr. 19	Sept. 29	Weston	Apr. 14	Sept. 29
Logan	Apr. 21	Oct. 27	Wheeling(Dam 12)...	Apr. 15	Sept. 29
London Locks.........	Apr. 21	Oct. 27	White Sulphur Spgs..	May 11	Sept. 29
Lost Creek	Apr. 22	Sept. 29	Williamson	Apr. 21	Oct. 27
Madison...............	Apr. 21	Oct. 27	Winfield Locks.......	Apr. 21	Oct. 27

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891........	52.0	94	−9	33.90	50.60	42.37	45.96	......	....	....	....	....
1892........	52.3	99	−12	32.70	41.43	37.06	38.33	......	....	....	....	....
1893........	52.0	99	−25	36.26	39.68	41.40	39.82	......	116	....	....	....
1894........	53.5	103	−29	34.78	36.51	30.38	34.52	......	102	155	114	96
1895........	51.5	107	−21	32.18	31.53	34.38	32.82	......	100	150	111	104
1896........	53.6	97	−10	35.43	46.66	41.84	43.49	......	111	132	128	106
1897........	53.5	103	−18	35.02	46.15	40.47	41.59	......	116	141	113	111
1898........	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899........	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900........	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901........	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902........	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903........	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904........	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905........	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906........	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907........	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908........	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909........	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910........	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911........	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912........	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913........	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914........	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915........	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916........	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917........	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918........	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919........	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920........	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921........	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922........	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923........	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924........	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925........	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926........	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927........	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928........	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929........	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930........	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931........	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932........	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933........	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934........	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935........	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936........	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937........	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938........	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939........	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940........	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941........	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
1942........	53.0	103	−23	43.95	50.84	47.24	48.42	41.9	136	120	114	131
Period.....	53.0	112	−37	37.18	45.21	42.80	43.06	34.1	123	145	95	125

Climatological Data for the Year 1942

Stations	Counties	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	39	44.5	89	July 17	−17	Dec. 21	38	48.73	7.68	Aug.	1.84	Jan.	76.8	144	175	82	198	w.
Brandywine	Pendleton	1,586	27	51.0	97	July 17†	−17	Dec. 21	27	36.52	7.16	Aug.	.88	Feb.	26.0	96	219	10	136	sw.
Harpers Ferry	Jefferson	400	....	....	..	....	....	....	53	47.97	7.60	Oct.	.71	Apr.	24.0	115	...	...	...	......
Kearneysville	Jefferson	548	12	54.4	98	July 19	−9	Dec. 20	12	50.32	9.12	Oct.	1.00	Apr.	....	101	118	175	72	w.
Martinsburg	Berkeley	435	50	54.7	103	July 19	−2	Dec. 21	52	53.59	10.38	Oct.	1.35	Apr.	35.0	123	...	...	...	w.
McNeill	Hardy	800	10	52.2	100	July 16†	−21	Dec. 21	10	38.95	7.31	Aug.	.81	Feb.	30.0	102	114	119	132	w.
Petersburg	Grant	.....	....	54.4	98	July 18	−14	Dec. 21	4	34.07	7.48	Aug.	1.23	Feb.	....	112	31	199	135	w.
Piedmont	Mineral	1,053	27	52.0	95	July 17†	−7	Dec. 21	27	47.13	8.10	Oct.	1.68	Jan.	41.2	126	110	124	131	w.
Romney	Hampshire	824	45	53.6	97	July 17†	−12	Dec. 21	42	41.75	7.40	Oct.	.90	Feb.	32.0	102	170	.83	112	......
Spruce Knob	Pendleton	4,550	....	....	..	....	....	....	12	49.33	11.16	Aug.	1.24	Jan.	76.5	154	...	...	...	......
Stony River Dam	Grant	3,300	....	....	..	....	....	....	23	45.21	6.26	Aug.	1.17	Jan.	86.0	129	48	95	222	w.
Wardensville	Hardy	1,200	23	51.6	98	July 17†	−18	Dec. 21	25	42.13	9.26	Oct.	1.11	Apr.	35.5	136	107	150	108	nw.
Northern Division																				
Aberdeen	Upshur	1,060	....	....	...	....	....	....	19	52.40	7.02	June	2.14	Jan.	39.8	142	52	188	125	w.
Alpena	Randolph	2,571	12	48.0	91	July 17	−19	Dec. 21	12	59.93	8.44	Aug.	2.09	Jan.	137.5	163	79	158	128	......
Benson	Harrison	1,080	20	53.8	96	July 17†	−23	Jan. 8	20	51.82	7.71	June	2.19	Jan.	67.7	155	114	139	112	......
Bens Run	Pleasants	652	42	54.8	97	July 17†	−8	Jan. 8	42	55.10	8.94	Aug.	1.88	Jan.	32.6	142	225	60	80	......
Brownsville	Lewis	1,032	19	55.0	97	July 18	−18	Jan. 6	20	50.22	7.35	Aug.	1.94	Jan.	39.6	138	119	136	110	......
Buckhannon	Upshur	1,411	50	52.3	91	July 18	−17	Jan. 6	53	55.54	9.42	Aug.	2.24	Apr.	48.5	129	168	94	103	......
Cairo	Ritchie	680	40	54.3	95	July 18†	−16	Jan. 8	40	46.00	5.54	Dec.	2.06	Jan.	32.6	133	105	136	124	......
Clarksburg	Harrison	1,015	20	51.3	94	July 17	−15	Jan. 8†	20	42.06	5.68	June	1.77	Apr.	45.1	141	128	118	119	w.
Crawford	Lewis	1,107	....	....	...	....	....	....	20	47.61	5.72	Aug.	2.15	Feb.	41.5	158	115	131	119	sw.
Creston	Wirt	640	42	55.1	96	July 17†	−16	Jan. 8	43	51.19	7.69	Dec.	1.79	Apr.	30.3	139	96	134	135	......
Dam 10 Mon. R.	Monongalia	826	....	....	...	....	....	....	21	48.56	8.53	Aug.	1.89	Jan.	27.3	150	...	...	...	......
Dam 13 O. R.	Marshall	655	....	....	...	....	....	....	27	43.12	6.41	Aug.	1.53	Jan.	30.8	137	...	...	...	......
Dam 15 Mon. R.	Marion	882	....	....	...	....	....	....	21	48.23	7.74	Aug.	2.27	Jan.	24.5	131	...	...	...	......
Dam 19 O. R.	Wood	600	....	....	...	....	....	....	26	38.14	5.15	Dec.	1.48	Oct.	17.0	137	...	...	...	......
Dam 20 O. R.	Wood	600	....	....	...	....	....	....	26	44.12	6.03	Dec.	1.39	Feb.	...	118	...	...	...	..
Elizabeth	Wirt	615	....	....	...	....	....	....	33	48.72	6.78	July	1.44	Jan.	25.4	133	...	..	...	......
Elkins	Randolph	1,927	44	51.2	91	July 17	−15	Dec. 21	44	54.09	9.35	Aug.	2.01	Jan.	59.4	185	45	99	221	w
Fairmont	Marion	883	37	53.3	93	July 17	−11	Jan. 6†	51	50.21	8.19	Aug.	1.87	Jan.	48.1	150	133	81	151	w.
Glenville	Gilmer	738	50	56.4	98	July 17†	−16	Jan. 6	56	47.35	6.60	Dec.	2.02	Apr.	44.7	131	111	124	130	w.
Grafton	Taylor	1,050	49	51.6	96	July 18†	−19	Dec. 21	51	51.58	7.73	Aug.	1.86	Apr.	31.6	142	163	70	152	......
Harrison Co. Airport	Harrison	1,184	3	51.9	94	July 17†	−14	Dec. 21	3	45.76	6.79	Aug.	1.66	Mar.	41.3	161	56	111	198	sw.
Hastings	Wetzel	809	....	....	...	....	....	....	8	59.15	9.09	Aug.	2.25	Jan.	43.5	161	110	122	133	w.
Horner	Lewis	1,044	....	....	...	....	....	....	20	51.93	8.46	Aug.	1.98	Mar.	....	115	...	...	...	......
Jane Lew	Lewis	1,020	....	....	...	....	....	....	20	48.92	7.03	June	2.14	Feb.	36.9	144	...	...	...	......
Lost Creek (near)	Harrison	1,026	47	....	97	July 13†	−21	Jan. 8	47	.....	....	....	....	....	....	...	...	...	...	......
Mannington	Marion	974	42	52.0	92	July 17†	−22	Jan. 6†	42	55.02	8.88	Aug.	2.44	Jan.	48.1	181	123	93	149	w.
Morgantown	Monongalia	1,300	50	51.8	...	....	−16	Jan. 8	69	51.22	9.59	Aug.	2.02	Jan.	49.4	122	154	110	101	w.
New Cumberland	Hancock	671	46	52.9	99	July 18	−13	Jan. 8	46	37.26	5.12	May	1.52	Aug.	28.2	123	131	32	202	nw.
New Martinsville	Wetzel	637	50	54.4	100	July 18	−11	Jan. 8	50	48.58	6.56	Aug.	1.90	Jan.	26.7	134	174	89	102	sw.
Parkersburg	Wood	615	55	54.6	96	July 17	−7	Jan. 8	55	39.87	6.15	Aug.	1.53	Jan.	25.7	140	90	122	153	se.
Parsons	Tucker	1,649	44	52.5	94	July 17	−17	Dec. 21	44	57.43	12.80	Aug.	1.99	Jan.	54.6	184	...	...	...	......
Philippi	Barbour	1,300	....	....	...	....	....	....	50	50.37	7.44	Aug.	2.08	Jan. *	53.3	151	...	...	...	......
Pickens	Randolph	2,760	53	48.0	87	Apr. 30†	−14	Dec. 21	53	70.56	10.63	Aug.	2.41	Apr.	141.4	178	137	96	132	w.
Roanoke	Lewis	1,050	....	....	...	....	....	....	20	51.74	7.06	Aug.	2.34	Jan.	39.9	145	110	100	155	......
Rowlesburg	Preston	1,375	....	....	96	July 17	....	....	59	58.22	8.44	Aug.	2.16	Jan.	51.1	139	...	...	...	......
Saint Marys	Pleasants	625	....	....	...	....	....	....	35	48.85	6.67	Sept.	2.00	Jan.	27.5	128	...	...	...	......
Shinnston	Harrison	910	....	....	...	....	....	....	6	49.09	11.03	Aug.	1.65	Jan.	38.2	130	194	94	77	......
Terra Alta	Preston	2,559	41	48.6	88	May 4†	−12	Jan. 8	37	50.88	6.50	Dec.	2.09	Jan.	60.3	146	119	91	155	w.
Thomas	Tucker	3,000	....	....	...	....	....	....	14	65.88	11.41	Aug.	2.62	Jan.	84.0	130	...	...	...	......
Valley Chapel	Lewis	1,011	20	54.8	99	June 11	−18	Jan. 6†	20	51.69	6.97	June	2.30	Jan.	49.0	145	110	138	117	w.
Vandalia	Lewis	1,120	....	....	...	....	....	....	20	48.72	8.08	Aug.	1.89	Apr.	50.5	128	...	...	...	......
Wellsburg (near)	Brooke	668	44	52.0	100	July 18	−21	Jan. 8	51	45.16	6.20	Mar.	1.58	Jan.	27.0	101	143	97	125	......
West Milford	Harrison	979	....	....	...	....	....	....	18	51.11	6.87	June	2.28	Jan.	46.7	158	...	...	...	......
Weston	Lewis	1,026	50	56.2	99	July 18	−12	Jan. 6	55	56.69	7.70	June	2.24	Apr.	54.2	160	...	...	...	......
Wheeling (Dam 12)	Ohio	659	35	52.6	96	July 18	−8	Jan. 8†	59	41.80	5.05	May	1.57	Jan.	42.0	139	110	96	159	sw.
Southern Division																				
Arbovale	Pocahontas	2,727	....	....	...	....	....	....	18	48.92	11.72	Aug.	1.55	Apr.	....	...	...	...	...	......
Beckley	Raleigh	2,440	42	51.4	92	July 17	−9	Jan. 9	46	45.92	6.19	Aug.	1.05	Apr.	44.7	146	132	137	96	......
Bluefield	Mercer	2,558	49	53.8	90	July 17†	−2	Jan. 8	51	44.21	7.15	June	.47	Apr.	45.7	161	145	113	107	......
Camden-on-Gauley	Webster	2,029	....	....	...	....	....	....	24	48.67	8.49	Aug.	.95	Apr.	51.7	149	...	...	...	......
Charleston	Kanawha	602	41	55.1	97	July 17†	−13	Jan. 8	5	51.07	8.54	June	1.90	Feb.	29.6	143	74	136	155	n.
Clay	Clay	790	....	....	...	....	....	....	41	49.48	6.77	Aug.	.99	Apr.	50.8	146	...	...	...	......
Flat Top	Mercer	3,270	5	48.6	87	July 17	−10	Feb. 3	5	49.10	7.76	Aug.	.57	Apr.	50.3	163	83	145	137	nw.
Gary	McDowell	1,426	26	53.9	93	July 17†	−4	Jan. 11	26	44.05	8.15	June	.67	Apr.	22.6	148	...	...	...	......
Greenbottom	Cabell	550	5	55.7	96	July 17†	−11	Jan. 8	5	42.82	6.00	Dec.	1.85	Jan.	18.5	132	60	158	147	sw.
Hinton	Summers	1,431	46	55.0	98	May 1†	−4	Jan. 11	54	47.25	7.69	Aug.	.43	Apr.	17.7	135	...	...	...	......
Hogsett	Mason	564	....	....	...	....	....	....	27	38.97	6.19	Dec.	1.02	Oct.	....	140	...	...	...	......
Huntington	Cabell	571	46	58.0	100	July 18	−4	Jan. 8	49	43.15	5.72	Dec.	1.70	Feb.	21.8	138	73	161	131	sw.
Kayford	Kanawha	1,335	....	....	...	....	....	....	26	47.57	6.61	Dec.	.60	Apr.	67.5	146	...	...	...	......
Lewisburg	Greenbrier	2,200	41	52.3	92	July 17	−17	Dec. 21	51	40.63	7.84	Aug.	.51	Apr.	23.2	144	98	105	162	......
Logan	Logan	700	17	56.9	100	July 17†	0	Jan. 11	42	43.07	6.11	Dec.	.32	Apr.	22.0	137	62	147	156	......
London Locks	Kanawha	623	7	55.6	96	July 17	−2	Jan. 11	7	47.43	7.76	July	.66	Apr.	29.6	147	78	148	139	......
Madison	Boone	675	25	54.9	...	....	−8	Jan. 8	31	46.60	7.58	Dec.	.45	Apr.	22.8	116	121	118	126	......
Marlinton	Pocahontas	2,125	47	51.8	96	July 17	−12	Jan. 11	46	49.28	11.12	Aug.	1.41	Apr.	28.7	110	77	182	106	w.
Pineville	Wyoming	1,350	2	....	...	....	....	....	..	.....	.....	....	....	....	....	...	...	...	...	......
Point Pleasant	Mason	595	50	56.9	101	July 17	−13	Jan. 8	54	39.91	6.07	Nov.	1.12	Oct.	18.6	126	176	117	72	sw.
Rainelle	Greenbrier	2,424	12	50.3	93	July 17	−16	Jan. 11	12	55.98	9.98	Aug.	1.51	Apr.	70.9	177	127	66	172	......
Ravenswood (Dam 22)	Jackson	584	20	55.4	97	July 18	−12	Dec. 21	28	37.77	5.97	Dec.	1.10	Oct.	....	132	99	67	199	sw.
Richwood	Nicholas	2,193	12	50.8	92	July 18	−8	Jan. 11	12	52.34	8.25	Aug.	1.00	Apr.	43.1	156	115	107	143	......
Ryan	Roane	700	41	52.9	96	July 17	−20	Jan. 6†	41	48.33	6.81	Aug.	1.69	Feb.	49.4	126	111	129	125	......
Seneca State Forest	Pocahontas	2,650	4	48.5	92	July 18	−21	Dec. 21	4	51.20	10.67	Aug.	2.11	Feb.	32.7	130	159	104	102	nw.
Spencer	Roane	789	46	54.1	95	May 1	−16	Jan. 8	46	50.41	7.53	Dec.	1.72	Apr.	43.5	152	74	149	142	......
Sutton	Braxton	850	38	55.6	98	July 17†	−13	Jan. 6†	42	56.15	7.97	Aug.	1.34	Apr.	51.2	151	...	...	...	......
Thornwood	Pocahontas	2,900	....	....	...	....	....	....	8	56.94	13.69	Aug.	1.67	Apr.	65.2	159	152	102	111	......
Union	Monroe	2,200	40	51.0	94	July 17†	−13	Jan. 11	40	39.52	6.62	June	.48	Apr.	17.0	119	...	...	...	......
Wayne	Wayne	598	....	....	...	....	....	....	18	46.84	6.77	Dec.	1.29	Oct.	15 5	117	...	...	...	......
White Sulphur Springs	Greenbrier	1,914	31	50.9	93	July 17†	−13	Jan. 11	31	45.93	7.10	June	.60	Apr.	23.5	124	196	53	116	......
Williamson	Mingo	673	43	57.0	98	July 17	1	Jan. 11	43	51.23	10.34	Aug.	.23	Apr.	19.4	150	94	153	118	nw.
Winfield Locks	Putnam	571	....	55.3	95	May 1†	−7	Jan. 9	5	40.80	6.14	Dec.	1.12	Oct.	23.1	135	126	76	163	sw.
State averages and	extremes	....	....	**53.9**	**103**	July **19**	**−23**	Jan. **8**	..	**48.42**	**13.69**	Aug.	**0.23**	Apr.	41.9	136	120	114	**131**	w.

† Also on other dates. * Also other months.

Monthly and Annual Precipitation for the Year 1942, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	1.84	−2.66	2.59	−0.91	3.50	−1.01	3.48	−0.36	4.87	+0.57	4.98	−0.15	3.03	−1.21	7.68	+3.30	3.79	+0.48	4.33	+1.07	3.56	+0.56	5.08	+1.24	48.73	+0.92
Brandywine	1.43	−0.91	.88	−0.88	3.24	+0.77	.96	−1.71	5.89	+2.81	3.68	−0.20	1.95	−1.62	7.16	+3.58	2.16	−0.22	4.88	+2.51	1.59	−0.19	2.70	+0.60	36.52	+4.54
Brushy Run	1.28	......	1.02	......	3.05	......	1.14	......	6.66	......	3.35	......	3.02	......	8.29	......	1.86	......	4.74	......	1.88	......	2.92	......	39.21	......
Harpers Ferry	1.22	−1.49	2.07	−0.19	5.13	+2.08	.71	−2.54	5.46	+2.02	3.44	−0.21	5.74	+2.24	7.38	+3.39	3.73	+1.07	7.60	+4.34	2.15	−0.04	3.34	+0.73	47.97	‡11.40
Inwood	1.62	......	2.08	......	4.26	......	.96	......	6.74	......	5.68	......	3.75	......	8.27	....	3.93	......	11.81	......	2.51	......	3.83	......	55.44	......
Kearneysville	1.79	−0.99	1.47	−0.89	3.61	+0.29	1.00	−2.28	6.38	+2.89	5.39	+1.76	4.87	+1.68	6.06	+2.31	4.41	+1.08	9.12	+5.86	2.44	−0.16	3.78	+1.37	50.32	‡12.92
Knobly Mountain	1.71	......	1.41	......	3.47	......	2.40	......	4.90	......	4.62	......	1.64	......	5.30	......	4.43	......	7.89	......	2.35	......	4.27	......	44.39	......
Martinsburg	1.95	−0.56	1.85	−0.55	3.32	+0.06	1.35	−1.76	6.98	+3.59	4.65	+0.51	2.91	−0.71	8.86	+4.80	4.79	+1.87	10.38	+7.31	2.52	+0.27	4.03	+1.27	53.59	‡16.10
McNeill	1.78	−0.60	.81	−1.32	3.79	+1.20	1.29	−1.67	5.88	+2.65	3.77	+0.17	1.87	−1.16	7.31	+4.32	1.81	−0.47	5.92	+3.61	1.66	+0.11	3.06	+1.00	38.95	+7.84
Petersburg	1.52	......	1.23	......	2.10	......	1.33	......	5.14	......	2.99	......	1.78	......	7.48	......	2.08	......	5.16	......	1.56	......	1.70	......	34.07	......
Piedmont	1.68	−0.90	1.73	−0.51	3.50	+0.52	2.79	−0.22	6.58	+2.93	4.40	+0.40	1.78	−1.70	6.54	+2.95	3.51	+1.10	8.10	+5.45	2.10	+0.21	4.42	+2.01	47.13	‡12.24
Romney	2.33	−0.06	*.90	−1.00	*3.60	+0.74	1.75	−1.22	4.78	+1.25	*4.30	+0.48	3.04	−0.44	5.86	+2.25	2.22	−0.46	7.40	+4.85	1.75	−0.03	3.82	+1.57	41.75	+7.93
Spruce Knob	1.24	......	1.87	......	2.36	......	1.74	......	8.49	......	4.88	......	4.23	......	11.16	......	3.69	+0.32	3.85	+0.52	2.52	+0.14	3.30	+0.91	49.33	......
Stony River Dam	1.17	−1.64	2.70	−0.15	3.70	+0.35	3.21	−0.54	4.58	−0.02	3.51	−0.51	3.05	−1.09	6.26	+1.68	3.62	+0.84	5.70	+2.50	2.41	−0.54	5.30	+2.06	45.21	+2.94
Wardensville	1.16	−0.97	1.14	−0.57	3.96	+1.76	1.11	−1.40	5.34	+2.38	2.76	−0.24	3.01	−0.09	8.42	+4.79	1.43	−1.16	9.26	+6.10	1.70	+0.07	2.84	+1.10	42.13	‡11.77
Northern Division																										
Aberdeen	2.14	−1.26	2.60	−0.50	2.46	−1.33	2.47	−1.33	3.58	−0.29	7.02	+2.66	5.42	+0.63	5.88	+1.40	5.04	+1.73	5.46	+1.92	4.58	+1.24	5.75	+2.75	52.40	+7.62
Alpena	2.09	−2.48	3.97	+0.01	6.16	+0.53	3.01	−1.39	4.94	−0.53	6.16	+0.69	6.85	− .03	8.44	+3.55	3.52	−0.54	3.40	+0.66	4.78	+1.47	6.61	+2.77	59.93	+4.71
Belington	2.08	......	2.85	......	4.12	......	1.99	......	4.97	......	5.52	......	5.49	......	7.40	......	4.41	......	4.12	......	4.16	......	5.89	......	53.00	......
Benson	2.19	−1.42	2.74	−0.97	3.59	+0.13	2.44	−0.77	4.30	+0.37	7.71	+3.40	4.03	−1.12	5.32	+0.87	4.31	+0.68	3.54	−0.02	5.36	+1.87	6.29	+2.80	51.82	+5.82
Bens Run	1.88	−2.10	1.92	−1.19	4.17	+0.13	3.87	+0.31	4.83	+0.83	4.25	+0.03	6.62	+2.09	8.94	+4.70	6.22	+3.63	2.62	−0.40	4.11	+1.22	5.67	+2.11	55.10	‡11.36
Big Skin Creek	2.42	......	2.53	......	2.71	......	2.18	......	3.73	......	6.33	......	5.19	......	6.93	......	4.66	......	4.79	......	5.35	......	5.81	......	52.63	......
Brownsville	1.94	−1.65	2.42	−0.65	2.63	−0.84	2.30	−1.06	3.38	−0.85	6.88	+2.57	4.35	−0.45	7.35	+3.08	5.11	+1.36	3.58	+0.16	4.09	+0.42	6.19	+2.87	50.22	+4.96
Buckhannon	2.37	−2.03	2.64	−1.12	3.55	−0.96	2.24	−1.65	4.09	−0.34	6.04	+1.33	4.90	+0.18	9.42	+5.33	4.75	+1.79	4.77	+1.63	4.77	+1.67	6.00	+1.82	55.54	+7.65
Cairo	2.06	−1.89	2.24	−0.73	4.03	+0.21	2.37	−1.09	4.38	+0.96	3.77	−0.74	5.11	+0.69	5.13	+1.26	3.84	+1.04	3.11	+0.19	4.42	+1.54	5.54	+2.09	46.00	+3.53
Clarksburg	1.81	−1.50	2.18	−0.86	2.06	−0.96	1.77	−1.60	4.62	+0.94	5.68	+1.41	1.96	−2.12	4.27	−0.21	4.08	+0.48	3.81	+0.68	4.37	+1.18	5.45	+2.37	42.06	−0.19
Crawford	2.35	−1.13	2.15	−1.17	3.74	−0.59	2.16	−2.07	3.40	−1.09	5.28	+0.51	5.13	−0.01	5.72	+1.14	3.64	−0.10	3.76	+0.27	4.93	+1.29	5.35	+1.76	47.61	−1.19
Creston	2.20	−1.73	2.33	−0.86	3.16	−0.94	1.79	−1.87	4.57	+0.86	2.92	−1.46	5.41	+1.19	6.36	+2.50	5.71	+3.02	2.10	−1.05	6.95	+4.20	7.69	+4.22	51.19	+8.08
Dailey	1.26	......	1.50	......	2.41	......	1.80	......	4.00	......	5.09	......	7.01	......	12.40	......	3.55	......	3.16	......	3.10	......	4.38	......	49.66	....
Dam 10, Mon. R.	1.89	−1.30	2.45	−0.42	3.06	−0.71	2.62	−0.85	4.88	+0.81	4.92	+0.58	2.67	−1.41	8.53	+4.47	4.28	+0.76	4.03	+0.85	4.66	+1.51	4.57	+1.15	48.56	+5.45
Dam 13, O. R	1.53	−1.60	2.43	.00	3.58	+0.15	3.02	−0.30	5.47	+2.05	4.54	+0.71	2.15	−2.21	6.41	+3.04	3.88	+0.90	1.81	−0.88	3.43	+1.05	4.87	+1.89	43.12	+4.80
Dam 15, Mon. R	2.27	−0.95	2.46	−0.53	2.69	−0.45	2.70	−0.59	3.53	−0.67	6.69	+2.70	3.07	−0.86	7.74	+3.61	4.37	+1.18	3.65	+0.41	4.32	+1.03	4.74	+1.61	48.23	+7.09
Dam 19, O. R.	1.53	−1.88	1.58	−0.99	3.04	−0.50	1.73	−1.45	3.72	+0.30	2.81	−1.11	4.88	+0.95	4.90	+1.24	3.26	+0.60	1.48	−1.17	4.06	+1.42	5.15	+2.02	38.14	−0.57
Dam 20, O. R.	1.40	−2.22	1.39	−1.37	2.61	−1.10	1.99	−1.25	4.72	+1.26	4.66	+0.67	5.02	+1.09	4.51	+0.72	4.51	+1.92	1.63	−1.12	5.65	+3.05	6.03	+2.89	44.12	+4.54
Elizabeth	1.44	−2.33	2.19	−0.67	3.85	+0.10	2.15	−1.02	5.53	+2.10	4.75	+0.54	6.78	+2.38	4.90	+0.90	4.45	+1.86	2.62	−0.30	4.72	+2.18	5.34	+2.21	48.72	+7.95
Elk	1.92	......	2.24	......	2.53	......	2.31	......	3.96	......	6.91	......	5.41	......	6.17	......	6.19	......	5.20	......	4.43	......	5.47	......	52.74	......
Elkins	2.01	−1.77	2.16	−0.92	3.61	−0.19	2.33	−1.29	4.90	+0.85	6.33	+1.27	7.48	+2.10	9.35	+5.49	3.51	+0.36	3.45	+0.54	3.46	+0.68	5.50	+2.04	54.09	+9.16
Fairmont	1.87	−2.06	2.86	−0.16	3.43	−0.54	2.38	−0.89	3.85	−0.03	7.47	+3.06	2.61	−1.79	8.19	+4.19	4.20	+1.25	3.70	+0.59	4.51	+1.75	5.14	+1.65	50.21	+7.02
Glenville	2.50	−1.93	2.54	−1.03	3.02	−1.27	2.02	−1.74	3.27	−0.85	4.81	+0.42	4.12	−0.75	4.95	+0.72	5.38	+2.16	2.56	−0.65	5.58	+2.53	6.60	+2.67	47.35	+0.28
Grafton	2.26	−1.31	2.43	−0.48	2.78	−0.98	1.86	−1.43	5.52	+1.84	6.65	+2.52	4.15	+0.07	7.73	+4.02	3.76	+1.15	4.40	+1.44	4.73	+2.30	5.31	+2.23	51.58	‡11.37
Grantsville	2.12	......	2.31	......	*3.40	......	1.41	......	3.10	......	3.18	......	4.06	......	5.66	......	3.77	......	2.72	......	4.35	......	*6.60	......	42.68	......
Hackers Creek	2.23	......	2.17	......	2.51	......	2.28	......	3.49	......	9.66	......	4.06	......	5.43	......	3.64	......	3.60	......	4.59	......	5.34	......	49.00	......
Hall	2.17	......	2.44	......	3.01	......	1.91	......	4.83	......	7.35	......	4.73	......	8.53	......	4.95	......	4.84	......	4.63	......	5.81	......	55.26	......
Harrison County Airp't.	1.72	......	2.21	......	1.66	......	1.83	......	4.48	......	5.96	......	2.86	......	6.79	......	3.61	......	5.21	......	4.03	......	5.40	......	45.76	......
Hastings	2.25	......	2.83	......	4.19	......	2.74	......	4.41	......	3.71	......	5.67	......	9.09	......	8.62	......	3.36	......	5.02	......	7.26	......	59.15	......
Horner	2.10	−1.93	2.22	−1.43	1.98	−1.78	2.00	−1.36	4.22	−0.45	5.53	+1.23	5.54	+0.74	8.46	+3.58	5.25	+1.72	5.30	+1.61	4.13	+0.34	5.20	+1.67	51.93	+3.94
Ireland	2.70	......	3.27	......	3.46	......	2.12	......	4.13	......	5.03	......	2.98	......	7.85	......	*4.22	......	*3.80	......	5.13	......	4.35	......	49.04	......
Jane Lew	2.20	−1.06	2.14	−0.63	3.24	−0.02	2.38	−1.27	3.89	−0.71	7.03	+2.96	4.74	−0.20	5.63	+0.78	3.68	+0.44	3.97	+0.65	4.55	+1.23	5.47	+2.39	48.92	+4.56
Kumbrabow St. Forest	....	......	....	......	....	......	....	......	....	......	....	......	4.62	......	10.06	......	3.62	......	4.87	......	4.77	......	6.90	......	......	......
Lost Creek (near)	1.88	−2.04	2.17	−0.91	....	......	....	......	3.67	−0.48	8.81	+4.48	3.91	−0.42	4.08	−0.15	4.15	+1.16	3.53	+0.54	....	......	....	......	......	......
Mannington	2.44	−1.68	2.89	−0.01	3.71	−0.32	2.80	−0.90	4.29	+0.28	5.94	+1.66	4.48	+0.31	8.88	+4.80	5.86	+2.47	3.66	+0.49	4.49	+1.45	5.58	+2.01	55.02	+9.94
Middlebourne	1.53	......	2.07	......	4.27	......	2.34	......	3.77	......	3.24	......	6.08	......	7.06	......	6.19	......	2.12	......	4.63	......	6.54	......	49.84	......
Midvale	1.05	......	1.45	......	3.73	......	2.36	......	5.32	......	6.65	......	7.79	......	8.16	......	4.16	......	5.46	......	4.97	......	5.67	......	56.77	......
Morgantown	2.02	−1.44	2.25	−0.31	2.65	−0.74	2.92	−0.23	*4.37	+0.67	5.07	+0.83	*2.80	−1.58	9.59	+5.58	*4.80	+1.93	*3.90	+0.75	4.60	+2.07	6.25	+3.15	51.22	‡10.68
Mt. Clare	1.95	......	2.02	......	2.71	......	2.41	......	3.77	......	4.98	......	3.12	......	4.73	......	4.38	......	5.31	......	3.23	......	5.17	......	43.78	......
New Cumberland	1.65	−1.19	2.26	−0.18	4.78	+1.54	2.32	−0.96	5.12	+1.72	3.38	−1.17	2.68	−1.40	1.52	−1.87	1.90	−1.01	4.52	+1.80	2.81	+0.49	4.32	+1.56	37.26	−0.67
New Martinsville	1.90	−2.08	2.21	−0.63	4.09	+0.30	2.81	−0.69	5.27	+1.60	4.30	+0.19	4.08	−0.41	6.56	+2.67	4.75	+1.72	2.99	−0.13	3.97	+1.13	5.65	+2.09	48.58	+5.76
Parkersburg	1.53	−2.05	1.56	−1.57	3.14	−0.35	1.90	−1.29	3.87	+0.49	3.48	−0.52	3.97	−0.32	6.15	+2.64	3.97	+1.21	2.66	+0.18	2.48	−0.09	5.16	+2.13	39.87	+0.46
Parsons	1.99	−2.62	2.62	−0.90	3.71	−0.50	3.16	−0.60	4.64	+0.51	4.64	−0.35	5.28	+0.19	12.80	+8.75	5.41	+2.26	2.71	−0.56	4.36	+1.43	6.11	+2.06	57.43	+9.67
Philippi	2.08	−2.06	2.08	−1.10	2.62	−1.52	2.43	−1.29	4.08	−0.19	5.58	+0.89	3.20	−1.53	7.44	+3.20	6.08	+2.78	4.11	+0.97	4.49	+1.56	6.18	+2.41	50.37	+4.12
Pickens	3.96	−2.36	4.67	−0.42	7.63	+1.72	2.41	−2.78	5.81	+0.56	4.73	−1.07	7.20	+1.16	10.63	+5.16	5.32	+1.22	5.09	+1.05	5.47	+1.25	7.64	+2.26	70.56	+7.75
Roanoke	2.34	−1.26	2.49	−0.89	2.95	−0.67	2.35	−1.23	3.31	−1.05	6.94	+2.63	4.25	−0.64	7.06	+2.72	4.49	+1.09	4.38	+0.96	5.40	+2.03	5.78	+2.41	51.74	+6.10
Rockford	2.25	......	1.94	......	2.81	......	2.34	......	4.01	......	7.19	......	4.49	......	6.04	......	4.40	......	4.61	......	4.50	......	5.58	......	50.16	......
Rowlesburg	2.16	−2.75	3.17	−0.48	3.79	−1.06	4.27	+0.08	6.17	+1.54	6.01	+0.64	3.37	−1.83	8.44	+3.91	5.36	+1.88	3.98	−0.37	4.90	+1.35	6.60	+2.22	58.22	+5.13
St. Marys	2.00	−1.74	2.63	−0.30	4.19	+0.27	2.23	−1.19	4.77	+1.26	3.30	−0.87	3.87	−0.29	6.30	+2.21	6.67	+3.97	2.09	−0.77	4.59	+1.79	6.21	+2.87	48.85	+7.21
Salem	2.28	......	2.40	......	2.40	......	2.31	......	5.13	......	5.14	......	3.41	......	4.64	......	4.78	......	2.69	......	4.67	......	5.75	......	45.60	......
Shinnston	1.65	......	2.61	......	2.16	......	2.11	......	4.51	......	3.42	......	3.77	......	11.03	......	3.14	......	5.00	......	3.30	......	6.39	......	49.09	......
Terra Alta	2.09	−2.79	3.43	−0.16	3.01	−1.43	2.78	−1.32	4.26	−0.72	*5.00	−1.18	4.76	−0.48	5.27	+0.26	4.79	+1.08	4.30	+0.41	4.69	+1.49	*6.50	+1.76	50.88	−3.08
Thomas	2.62	−1.35	3.11	−0.45	4.85	−0.26	3.64	−0.54	5.25	0.00	5.25	+0.14	6.82	+0.33	11.41	+6.32	6.01	+2.01	4.82	+0.58	4.53	+1.54	7.57	+3.72	65.88	‡12.03
Valley Chapel	2.30	−1.24	2.50	−0.57	3.49	−0.20	2.37	−1.04	4.16	+0.27	6.97	+3.22	5.26	+0.33	5.96	+1.80	4.14	+0.82	3.05	−0.36	4.89	+1.62	6.60	+3.38	51.69	+8.03
Valley Head	1.97	......	2.73	......	4.03	......	1.36	......	5.47	......	2.53	......	5.39	......	15.03	......	2.57	......	3.86	......	3.18	......	5.76	......	53.88	......
Vandalia	2.34	−0.73	2.67	−0.35	2.47	−0.73	1.89	−1.81	3.95	+0.37	4.56	+0.75	4.01	−1.15	8.08	+3.88	4.40	+1.13	3.65	+0.68	4.74	+1.36	5.96	+3.56	48.72	+6.96
Wellsburg	1.58	−1.47	2.19	.00	6.20	+3.01	2.98	−0.18	5.11	+1.91	2.36	−1.78	2.47	−1.71	5.70	+2.14	5.54	+2.55	3.59	+0.87	3.88	+1.31	3.56	+0.65	45.16	+7.30
West Milford	2.28	−0.79	2.56	−0.77	3.60	+0.06	2.38	−1.44	4.50	+0.77	6.87	+2.60	4.20	−0.45	5.28	+0.66	4.61	+1.34	3.41	−0.81	4.99	+1.38	6.43	+3.35	51.11	+5.90
Weston	2.52	−1.59	3.05	−0.55	4.17	−0.11	2.24	−1.27	3.76	−0.08	7.70	+3.36	6.36	+1.94	6.55	+2.85	4.67	+2.04	3.64	+0.83	5.25	+2.31	6.78	+3.15	56.69	‡12.88
Wheeling (Dam 12)	1.57	−1.47	1.96	−0.33	4.07	+0.79	3.49	+0.26	5.05	+1.95	4.58	+0.69	2.41	−1.89	4.17	+0.62	3.54	+0.62	2.97	+0.24	3.60	+1.17	4.39	+1.41	41.80	+4.06
Southern Division																										
Arbovale	*2.65	−0.16	*2.60	−0.27	4.29	+0.48	1.55	−1.67	6.35	+2.94	3.63	−0.12	4.39	−0.32	11.72	+7.41	2.74	+0.21	2.78	+0.14	2.02	−1.06	4.20	+1.04	48.92	+8.62
Beckley	2.29	−1.38	2.54	−0.41	3.39	−0.38	1.05	−2.43	3.62	−0.01	4.85	+0.44	5.79	+1.41	6.19	+2.35	3.89	+1.35	4.51	+1.53	3.11	+0.52	4.69	+1.38	45.92	+4.37
Bluefield	2.00	−1.01	2.01	−0.92	3.28	+0.16	.47	−2.64	5.08	+1.96	7.15	+2.92	4.44	+0.37	5.97	+2.36	3.11	+0.79	3.40	+0.63	2.43	+0.38	4.87	+1.99	44.21	+6.99
Camden-on-Gauley	2.19	−1.27	2.54	−0.45	3.60	−0.84	.95	−2.82	4.70	−0.59	5.46	+0.39	4.17	−0.74	8.49	+3.02	2.89	−0.47	3.73	+0.71	3.86	+0.22	6.09	+1.95	48.67	−0.89
Charleston (Airport)	2.34	......	1.90	......	4.51	......	3.19	......	3.95	......	8.54	......	5.90	......	5.18	......	2.82	......	2.58	......	3.60	......	6.56	......	51.07	......
Clay	2.37	−1.31	2.14	−1.12	5.21	+1.06	.99	−2.45	3.38	−0.41	5.89	+1.38	4.18	−0.80	6.77	+2.28	4.69	+1.47	2.91	−0.07	4.88	+1.98	6.07	+2.57	49.48	+4.58
Flat Top	1.68	......	2.17	......	4.31	......	.57	......	4.36	......	6.21	......	4.45	......	7.76	......	3.29	......	5.54	......	2.56	......	6.20	......	49.10	......
Gary	1.62	−1.83	1.46	−1.68	4.10	−0.06	.67	−2.82	4.01	+0.04	8.15	+3.08	6.44	+1.51	3.57	−0.54	2.48	−0.51	3.12	+0.22	2.59	−0.11	5.84	+2.47	44.05	−0.23
Greenbottom	1.85	......	1.92	......	2.72	......	2.10	......	5.96	......	3.45	......	2.73	......	5.74	......	2.76	......	2.20	......	5.39	......	6.00	......	42.82	......
Hinton	1.67	−1.59	1.54	−1.35	3.75	−0.15	.43	−2.77	5.35	+1.80	7.16	+2.86	4.66	+0.59	7.69	+3.53	3.20	+0.51	4.40	+1.57	2.46	+0.05	4.94	+1.76	47.25	+6.81
Hogsett	1.47	−2.37	1.80	−1.13	3.23	−0.65	2.59	−0.68	4.60	+0.92	2.29	−1.74	3.38	−0.50	4.29	+1.13	2.09	−0.09	1.02	−1.61	6.02	+3.34	6.19	+2.93	38.97	−0.45
Huntington	1.71	−2.08	1.70	−1.38	3.23	−0.99	2.51	−1.00	4.07	+0.10	4.94	+0.71	5.03	+0.73	4.58	+0.88	3.20	+0.75	2.01	−0.51	4.45	+1.93	5.72	+2.35	43.15	+1.49
Kayford	2.40	−1.82	2.47	−0.97	5.63	+0.99	.60	−3.46	3.06	−1.34	5.56	+0.37	5.86	+0.69	6.19	+1.36	3.75	+0.37	2.24	−1.08	3.20	+0.05	6.61	+2.70	47.57	−2.14
Lewisburg	1.32	−2.03	1.58	−1.21	2.30	−1.34	.51	−2.81	3.51	+0.15	6.25	+2.31	2.27	−1.62	7.84	+3.89	3.63	+0.94	*4.30	+1.30	*2.70	+0.22	4.42	+1.31	40.63	+1.11
Logan	2.17	−2.25	2.00	−1.50	5.12	+0.40	.32	−3.83	3.56	−0.55	4.53	−0.36	4.64	−0.29	4.70	+0.21	3.72	+0.57	2.41	−0.64	3.79	+0.56	6.11	+2.01	43.07	−5.67
London Locks	2.07	......	2.01	......	4.31	......	.66	......	3.12	......	5.81	......	7.76	......	5.30	......	3.93	......	2.54	......	3.59	......	6.33	......	47.43	......

* Interpolated ‡ Plus

Continued on next page.

Monthly and Annual Precipitation for 1942, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Madison	2.19	−1.91	1.85	−1.38	4.62	+0.44	0.45	−3.39	3.05	−1.28	7.39	+3.23	5.03	−0.30	4.71	+0.89	5.75	+2.29	1.59	−1.04	2.39	−0.26	7.58	+4.68	46.60	+1.97
Marlinton	2.47	−1.73	2.19	−1.11	4.02	−0.52	1.41	−2.21	6.85	+2.91	4.94	+0.13	1.69	−3.10	11.12	+6.44	3.05	+0.04	4.29	+1.30	3.05	+0.11	*4.20	+0.30	49.28	+2.56
Pineville	*3.05	......	1.49	......	4.51	......	.66	......	3.25	......	5.39	......	7.72	......	8.02	......	2.80	......	3.56	......	3.56	......	*5.55	......	49.56	......
Point Pleasant	1.35	−2.60	1.62	−1.53	2.84	−1.25	2.71	−0.60	4.25	+0.26	3.72	−0.36	3.63	−0.51	3.35	+0.14	3.27	+0.86	1.12	−1.69	6.07	+3.24	5.98	+2.48	39.91	−1.56
Princeton	1.46	......	1.72	......	4.38	......	.55	......	5.91	......	8.66	......	2.66	......	6.34	......	3.32	......	4.02	......	2.27	......	*4.50	......	45.79	......
Rainelle	2.90	−1.31	3.72	−0.49	4.86	−0.69	1.51	−2.68	5.02	+0.55	6.30	+1.20	4.10	−1.69	9.98	+4.20	3.76	+0.64	4.05	+1.44	3.09	+0.10	6.69	+3.16	55.98	+4.43
Ravenswood (Dam 22)	1.72	−1.88	1.82	−1.15	2.90	−0.99	2.47	−0.69	2.64	−1.07	2.19	−1.95	4.43	+0.41	4.32	+0.97	3.28	+0.98	1.10	−1.69	4.93	+2.21	5.97	+2.65	37.77	−2.20
Richwood	2.31	−1.74	2.58	−1.54	4.29	−1.21	*1.00	−2.84	*4.80	+0.10	*6.00	+0.91	5.94	−0.90	8.25	+3.09	3.40	+0.29	4.20	+1.35	4.01	+1.12	5.56	+2.07	52.34	+0.70
Ryan	2.31	−1.74	1.69	−1.59	4.17	−0.19	3.17	−0.61	3.53	−0.11	5.74	+1.09	4.41	−0.19	6.81	+2.73	3.22	+0.22	2.52	−0.64	4.19	+1.32	6.57	+3.32	48.33	+3.61
Seneca State Forest	2.31	......	2.11	......	3.48	......	3.42	......	7.38	......	4.65	......	4.05	......	10.67	......	3.33	......	3.28	......	2.32	......	4.20	......	51.20	......
Spencer	2.70	−1.31	2.35	−0.80	3.34	−0.73	1.72	−1.67	4.04	+0.39	4.33	−0.18	5.64	+1.40	5.83	+1.86	5.06	+2.18	2.18	−0.98	5.69	+3.02	7.53	+4.12	50.41	+7.30
Summersville	2.17	......	2.79	......	2.73	......	.53	......	3.64	......	6.97	......	5.29	......	6.48	......	4.22	......	4.42	......	4.16	......	6.80	......	50.20	......
Sutton	3.12	−1.42	2.46	−0.98	4.18	−0.16	1.34	−2.51	5.90	+1.54	5.58	+0.62	5.69	+0.36	7.97	+3.72	4.35	+1.00	3.88	+0.89	5.12	+1.92	6.56	+2.74	56.15	+7.72
Thornwood	2.99	−0.53	3.06	+0.33	4.43	+0.15	1.67	−1.47	5.38	+1.90	3.97	−0.76	2.24	−2.54	13.69	+8.45	4.33	+1.31	4.01	+0.69	3.25	+0.48	7.92	+4.72	56.94	+12.73
Union	1.27	−1.88	1.56	−1.29	2.48	−1.07	.48	−2.41	4.11	+0.91	6.62	+2.63	3.81	+0.02	4.35	+0.42	4.52	+1.97	4.08	+1.35	2.49	+0.15	3.75	+0.83	39.52	+1.63
Wayne	1.59	−2.17	1.69	−1.23	3.90	−0.70	2.00	−1.66	4.35	+0.77	4.49	+0.47	5.92	+1.33	5.59	+1.34	4.20	+1.11	1.29	−1.59	5.05	+1.99	6.77	+3.74	46.84	+3.40
White Sulphur Springs	1.75	−1.58	1.60	−1.03	3.38	−0.19	.60	−2.68	5.00	+1.53	7.10	+3.12	3.65	−0.27	6.15	+2.56	*4.20	+1.36	4.05	+1.24	*2.50	+0.22	5.95	+2.85	45.93	+7.13
Williamson	1.90	−2.05	1.81	−1.54	4.92	+0.38	.23	−3.45	2.88	−1.20	4.73	−0.04	8.35	+3.92	10.34	+6.35	2.77	−0.22	2.90	+0.11	3.81	+0.99	6.59	+2.81	51.23	+6.06
Winfield Locks	1.92	......	1.50	......	3.20	......	2.40	......	3.72	......	3.43	......	4.65	......	4.78	......	2.86	......	1.12	......	5.08	......	6.14	......	40.80	......

Monthly and Annual Mean Temperatures for the Year 1942, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	21.2	−4.6	20.4	−9.2	35.2	−2.5	45.6	+1.9	55.7	−0.7	63.4	−0.1	65.2	+2.4	62.6	−3.2	55.1	−5.8	44.6	−4.6	38.5	−0.6	23.6	−4.5	44.5	−3.0
Brandywine	29.2	−1.7	28.0	−6.7	40.9	−0.5	52.5	+2.6	61.3	+2.7	68.1	+1.1	72.2	+0.9	69.0	−0.9	62.1	−2.6	52.2	−1.1	45.4	+3.4	30.6	−3.6	51.0	−0.5
Inwood	^{a}32.4	.....	^{a}29.6	.....	44.0	.....	55.8	.....	66.0	.....	71.1	.....	76.0	.....	71.3	.....	64.8	.....	56.7	.....	46.0	.....	31.4	.....	53.8	.....
Kearneysville	32.1	−1.8	32.0	−1.9	45.0	+3.0	56.8	+5.5	66.0	+2.6	71.7	−0.2	75.2	−0.9	72.2	−2.1	66.8	−0.7	57.4	+2.5	46.0	+1.0	31.0	−4.3	54.4	+0.3
Martinsburg	31.4	+0.4	31.0	−0.4	44.4	+2.8	57.4	+5.8	67.2	+4.4	73.2	+2.2	77.1	+1.4	73.6	+0.6	67.4	+0.5	57.3	+2.6	45.0	+1.8	31.7	−2.3	54.7	+1.6
McNeill	30.1	−0.9	29.8	−2.5	43.1	+2.1	52.8	+1.0	61.3	+1.1	69.4	+1.6	73.4	+1.8	70.8	−0.5	65.0	−0.8	55.2	+1.1	46.1	+3.8	30.0	−2.6	52.2	+0.4
Petersburg	32.6	.....	31.3	.....	44.8	.....	56.0	.....	65.8	.....	73.2	.....	76.5	.....	72.2	.....	66.2	.....	55.8	.....	46.6	.....	31.3	.....	54.4	.....
Piedmont	30.8	−0.1	28.6	−5.2	41.9	+0.7	54.4	+4.0	63.7	+3.7	70.1	+2.0	73.4	+1.1	70.3	−0.2	63.8	−1.9	55.0	+1.6	43.2	+1.0	29.4	−3.6	52.0	+0.2
Romney	32.8	+1.3	30.9	−3.3	45.3	+2.9	56.2	+4.5	65.4	+2.5	*71.5	+1.6	74.1	−0.8	71.4	−1.2	64.6	−2.2	55.7	+0.8	45.8	+2.7	30.0	−4.5	53.6	+0.3
Wardensville	29.5	−1.3	29.4	−4.4	41.6	−0.3	53.4	+3.8	63.2	+3.8	69.0	+3.5	73.0	+2.4	69.4	−0.1	63.8	−0.4	55.2	+2.6	43.2	−0.7	28.8	−4.9	51.6	+0.3
Northern Division																										
Alpena	27.4	−3.5	23.6	−6.7	38.7	+3.0	49.6	+4.1	58.2	+2.1	65.7	+1.8	67.8	+0.5	66.0	+0.5	60.0	−1.0	51.3	+1.9	40.8	+1.5	27.2	−5.1	48.0	−0.1
Benson	30.8	−3.3	30.0	−8.0	41.8	+4.5	54.8	+2.2	64.2	+3.4	72.7	+4.5	74.9	+2.4	72.1	+1.4	65.8	−1.1	56.2	+3.3	46.4	+3.3	33.0	−3.2	53.8	+0.8
Bens Run	31.0	−1.9	30.4	−2.4	45.4	+1.9	57.4	+4.6	65.2	+2.2	74.6	+3.8	76.8	+1.7	74.2	+0.6	67.6	−0.8	58.0	+1.4	45.8	+1.7	31.8	−3.0	54.8	+0.8
Brownsville	32.1	−2.5	^{a}32.1	−5.5	47.0	+5.1	55.8	+3.5	64.6	+3.0	73.4	+3.9	75.2	+1.4	*74.0	+1.8	66.3	−1.3	57.6	+3.0	47.4	+2.8	34.3	−2.3	55.0	+1.1
Buckhannon	29.6	−2.9	27.9	−5.2	43.0	+1.1	52.8	+1.7	62.0	+0.9	69.6	+1.2	73.4	+1.6	70.1	+0.2	64.8	+0.3	55.7	+1.9	46.0	+3.8	33.0	−1.2	52.3	+0.3
Cairo	32.0	−2.4	30.8	−3.4	45.1	+0.8	55.2	+1.2	64.6	+1.5	72.8	+2.5	74.8	+0.5	72.9	+0.4	66.6	−1.5	57.6	+1.8	46.5	+2.8	32.4	−2.3	54.3	+0.2
Clarksburg	28.4	−4.2	27.0	−7.6	41.9	+2.2	52.8	+1.6	61.5	+1.2	70.4	+1.0	72.4	−1.4	70.0	−2.0	63.4	−4.1	53.8	+0.4	43.3	+0.5	30.4	−4.8	51.3	−1.4
Creston	31.4	−2.7	31.6	−3.1	46.8	+2 8	56.3	+2.9	65.1	+2.0	73.6	+2.9	76.0	+1.3	73.6	+0.5	67.7	−0.1	58.2	+2.5	47.0	+2.8	33.8	−1.5	55.1	+0.9
Elkins	29.4	−0.8	26.3	−5.3	42.1	+2.1	52.8	+4.0	61.6	+2.4	69.2	+2.3	71.4	+1.1	69.0	−0.1	63.5	+0.5	54.6	+2.3	43.5	+3.2	31.1	−1.6	51.2	+0.8
Fairmont	30.4	−1.8	27.7	−5.4	44.9	+3.4	56.1	+4.3	64.7	+2.6	72.6	+2.3	^{c}74.3	0.0	^{f}70.8	−1.9	65.7	−1.7	56.5	+1.4	44.7	+1.8	31.0	−3.0	53.3	+0.2
Glenville	33.0	−0.8	32.3	−2.3	47.5	+2.8	57.5	+3.6	66.4	+2.8	75.4	+4.3	77.9	+2.6	75.4	+1.5	69.2	+0.7	59.8	+3.6	48.0	+3.7	34.2	−1.7	56.4	+1.8
Grafton	30.8	−1.8	27.8	−4.8	44.1	+2.6	52.5	+1.0	62.8	+1.3	69.8	+0.7	71.6	−1.0	68.4	−3.0	63.0	−4.1	54.2	−1.0	43.8	+0.7	30.2	−4.0	51.6	−1.1
Harrison County Airport	31.4	.....	26.2	.....	42.1	.....	53.4	.....	62.6	.....	70.6	.....	*71.8	.....	69.8	.....	63.8	.....	55.8	.....	44.4	.....	30.4	.....	51.9	.....
Lost Creek (near)	29.2	−3.7	28.6	−4.1	....	.....	....	.....	63.6	+3.2	72.4	+4.8	74.8	+2.6	71.4	+0.7	65.6	+0.2	56.4	+2.2	....	.....	....	.....	....	.....
Mannington	29.5	−2.4	28.6	−4.2	43.6	+1.3	53.8	+2.7	62.6	+2.2	70.2	+2.4	72.3	+0.5	69.6	−0.6	63.6	−1.3	55.2	+1.6	44.3	+2.3	31.0	−2.6	52.0	+0.1
Morgantown	29.6	−2.7	28.0	−4.8	44.8	+2.7	53.4	+1.7	*63.5	+1.4	73.5	+4.2	69.4	−4.1	69.0	−3.0	*64.0	−3.5	*55.0	−0.2	42.5	−1.3	29.0	−5.4	51.8	−1.3
New Cumberland	30.7	+2.1	28.2	−0.9	42.8	+3.4	54.8	+5.6	63.6	+3.4	72.2	+4.0	74.8	+1.8	71.7	+0.9	66.6	+1.1	56.4	+2.4	43.6	+2.0	29.6	−2.1	52.9	+2.0
New Martinsville	31.6	−1.5	30.8	−2.7	45.5	+2.2	57.2	+4.1	65.6	+2.6	73.7	+2.6	75.6	+0.4	72.8	−0.9	66.4	−2.1	57.1	+0.3	45.0	+0.2	32.0	−3.3	54.4	+0.1
Parkersburg	32.0	−0.5	30.2	−4.0	45.3	+2.5	57.2	+3.8	64.4	+0.6	73.7	+2.3	76.0	+0.6	73.3	−0.6	66.7	−0.6	58.4	+2.3	46.4	+2.6	32.2	−3.0	54.6	+0.4
Parsons	31.2	−3.3	^{a}28.9	−2.8	44.4	+3.9	53.4	+4.2	63.2	+4.4	71.2	+4.3	72.7	+1.9	70.3	+0.9	64.6	+0.9	55.2	+3.7	44.7	+3.5	30.6	−1.7	52.5	+1.6
Pickens	27.2	−3.7	25.4	−6.5	40.7	+1.5	52.3	+4.2	57.8	−0.3	66.4	+1.5	67.6	−1.0	65.6	−0.9	59.2	−2.6	48.6	−3.1	38.0	−2.4	27.8	−4.4	48.0	−1.5
Terra Alta	^{f}27.0	−0.9	25.1	−3.7	39.8	+1.9	49.4	+2.6	62.4	+5.0	65.8	+1.1	68.6	+0.4	65.6	−1.2	*62.9	+1.1	51.2	+2.2	37.2	−3.4	*28.2	−2.4	48.6	+0.2
Valley Chapel	32.6	−2.5	30.6	−7.9	46.2	+3.7	56.4	+3.3	65.6	+4.0	74.4	+4.8	76.2	+2.2	71.8	−0.7	66.8	−1.2	57.7	+2.3	46.4	+1.4	33.2	−4.3	54.8	+0.4
Wellsburg (near)	30.0	−0.2	27.6	−2.4	42.0	+2.2	54.4	+4.8	62.8	+2.6	71.2	+3.2	73.1	+0.9	70.9	+0.6	65.0	+0.1	54.6	+1.1	43.3	+1.5	29.6	−2.8	52.0	+0.9
Weston	33.4	−0.7	31.8	−2.1	47.4	+3.6	58.4	+5.6	66.1	+3.4	75.0	+4.6	76.4	+2.0	74.2	+1.5	69.0	+1.7	59.4	+3.9	48.8	+4.8	34.8	−1.0	56.2	+2.2
Wheeling (Dam 12)	29.8	−0.6	27.8	−4.3	41.8	+1.3	54.2	+2.6	63.0	+1.2	71.9	+1.3	74.2	−0.6	71.4	−1.4	65.4	−2.0	56.0	+1.1	45.0	+2.8	30.1	−2.5	52.6	0.0
Southern Division																										
Beckley	30.0	−3.4	28.4	−6.3	43.0	+0.4	53.6	+3.4	61.7	+1.8	68.1	+0.7	70.4	−0.8	68.8	−0.5	62.6	−1.5	54.7	+0.3	44.0	+0.7	31.7	−2.8	51.4	−0.7
Bluefield	^{e}33.0	−1.9	^{e}30.2	−4.6	45.4	+1.0	57.0	+3.4	63.2	+1.6	70.7	+0.6	72.5	+0.9	70.3	−0.2	64.9	−1.3	55.7	0.0	46.9	+2.0	35.2	−1.7	53.8	0.0
Charleston (Airport)	31.2	.....	31.2	.....	46.1	.....	56.0	.....	64.9	.....	74.4	.....	76.6	.....	73.7	.....	68.0	.....	58.4	.....	47.3	.....	33.8	.....	55.1	.....
Flat Top	28.1	.....	25.3	.....	39.6	.....	50.8	.....	58.2	.....	65.8	.....	68.6	.....	66.0	.....	60.1	.....	51.9	.....	40.2	.....	28.0	.....	48.6	.....
Gary	32.0	−3.1	^{b}30.4	−7.5	45.2	+2.7	54.8	+1.4	63.1	+2.0	72.0	+2.7	73.9	+0.8	72.0	0.0	65.6	−2.9	56.4	+0.8	46.6	+1.6	34.8	−3.0	53.9	−0.4
Greenbottom	32.0	.....	^{a}32.0	.....	47.6	.....	57.4	.....	65.4	.....	74.1	.....	77.3	.....	74.6	.....	67.8	.....	58.2	.....	46.8	.....	*35.3	.....	55.7	.....
Hinton	33.9	−0.6	32.5	−3.0	45.6	+1.5	56.6	+3.4	65.3	+1.9	72.7	+2.2	75.3	+0.9	72.4	−0.9	67.9	−0.1	57.8	+0.8	46.4	+2.3	33.3	−2.5	55.0	+0.5
Huntington	34.7	+0.7	34.4	−0.3	49.8	+4.8	59.6	+5.0	67.3	+2.6	77.0	+4.1	79.3	+2.7	76.2	+1.4	70.1	+1.1	61.2	+4.8	50.2	+5.9	36.6	+1.0	58.0	+2.8
Lewisburg	31.5	−0.9	29.6	−3.7	43.9	+1.8	55.4	+4.9	63.0	+2.9	69.7	+2.5	72.8	+1.8	69.8	+0.4	63.7	−0.6	*53.8	+0.6	*43.7	+1.8	31.0	−2.2	52.3	+0.7
Logan	33.8	−5.2	33.2	−6.3	47.7	−4.6	58.0	+0.7	66.4	−0.6	75.6	+2.0	78.3	+2.3	76.2	+1.2	69.2	−1.2	59.2	−0.9	49.1	+1.8	36.4	−2.7	56.9	−1.1
London Locks	32.8	.....	32.8	.....	46.8	.....	57.6	.....	65.0	.....	74.3	.....	77.0	.....	75.0	.....	68.4	.....	58.0	.....	45.6	....	34.2	.....	55.6	.....
Madison	30.4	−6.2	29.5	−7.1	45.8	+3.1	57.2	+2.9	64.6	+0.8	^{d}74.8	+2.5	*76.1	+1.3	73.7	−0.7	*67.8	+0.1	^{d}56.9	+1.3	47.2	+3.7	34.5	−0.5	54.9	+0.1
Marlinton	^{a}29.5	+1.5	29.6	−2.2	42.8	+4.9	52.8	+6.0	62.3	+5.3	70.3	+6.0	72.6	+5.0	70.7	+4.5	64.6	+3.4	56.0	+6.4	*42.9	+5.3	*27.3	−2.1	51.8	+3.7
Pineville	*32.8	.....	33.8	.....	48.3	.....	57.1	.....	66.0	.....	74.6	.....	*76.1	.....	74.4	.....	66.4	.....	57.8	.....	47.7	.....	36.3	.....	55.9	.....
Point Pleasant	32.5	−1.6	33.6	+0.2	48.3	+3.1	57.8	+2.9	66.8	+2.1	75.8	+3.4	79.0	+2.6	76.0	+1.3	70.6	+4.7	60.1	+2.9	48.6	+3.3	34.0	−1.8	56.9	+1.9
Rainelle	28.6	−3.8	27.0	−6.5	41.8	+2.5	51.0	+2.8	59.8	+1.7	67.7	+2.2	70.7	+1.2	68.6	+0.3	62.6	−0.3	53.2	+2.4	42.2	+1.9	30.1	−3.1	50.3	+0.1
Ravenswood (Dam 22)	33.0	−2.4	33.2	−5.6	47.2	+3.9	56.8	+3.0	65.6	+3.7	74.0	+3.5	76.4	+1.3	73.3	+0.4	67.1	−2.3	58.5	+2.2	46.8	+1.1	32.8	−5.1	55.4	+0.3
Richwood	29.2	−5.2	26.4	−8.1	41.4	+0.6	*52.3	+2.4	*63.8	+3.6	*67.8	−0.6	71.0	−0.8	69.5	−0.9	63.0	−1.7	53.4	+0.7	41.6	−0.8	30.8	−4.3	50.8	−1.3
Ryan	29.9	−3.1	30.8	−3.5	45.4	+2.6	55.2	+3.2	61.3	+0.1	70.4	+1.6	73.2	+0.1	71.2	−0.5	65.4	+0.8	55.2	+2.5	44.6	+1.2	31.8	−2.7	52.9	+0.2
Seneca State Forest	27.8	.....	26.6	.....	39.6	.....	49.3	.....	58.0	.....	66.5	.....	68.2	.....	66.7	.....	60.6	.....	51.6	.....	40.7	.....	26.2	.....	48.5	.....
Spencer	31.8	−1.9	30.8	−4.4	46.3	+3.4	55.7	+2.9	63.2	+1.2	72.8	+3.1	74.6	+1.0	72.1	−0.2	65.4	−1.1	56.8	+1.9	46.3	+2.2	33.1	−3.4	54.1	+0.4
Sutton	33.2	−1.1	31.6	−4.5	46.5	+2.3	55.9	+3.1	65.2	+1.9	74.4	+3 1	76.6	+1.8	74.4	+1.3	68.4	−0.3	58.2	+1.5	47.4	+3.4	35.0	−0.2	55.6	+1.1
Union	29.5	−3.8	26.7	−8.5	40.8	−2.6	52.4	+0.6	61.6	+0.7	69.0	+1.2	72.2	+0.6	69.2	−1.0	63.6	−2.5	53.5	−0.9	43.0	+0.6	30.2	−3.8	51.0	−1.6
White Sulphur Springs	28.7	−3.4	27.6	−7.9	41.7	−0.9	53.0	+1.6	61.4	+0.9	69.0	+1.0	71.6	0.0	69.3	−1.0	63.0	−1.9	53.7	+1.3	42.3	+0.2	29.5	−3.6	50.9	−1.1
Williamson	34.0	−2.0	33.4	−4.0	48.2	+1.5	58.2	+2.7	66.6	+1.6	76.4	+3.8	78.2	+2.1	75.7	+0.9	68.9	−0.8	58.6	+0.8	49.3	+3.7	36.8	−0.8	57.0	+0.8
Winfield Locks	32.1	.....	31.4	.....	46.4	.....	56.2	.....	64.5	.....	74.3	.....	76.8	.....	74.2	.....	67.4	.....	58.6	.....	47.5	....	33.9	.....	55.3	.....

Reference letters indicate number of days missing, for example, ^{b} 2 days, etc.

* Interpolated.

(WBO, Columbus, 2-17-43—1200)

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